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KEY ENVIRONMENTAL INCORPORATED

March 30, 2012

Mr. Jay Nickerson
Site Remediation Program
New Jersey Department of Environmental Protection
Bureau of Case Management
Mail Code 401-05F
P.O. Box 420
Trenton, NJ 08625-0420

**Re: Demolition Remedial Action Report for Buildings 15, 17, 18 & 21**
**Standard Chlorine Chemical Company Site (SCCC)**
**Town of Kearny, Hudson County**
**SRP PI# G000001583 & G000008790**

Dear Mr. Nickerson:

On behalf of the Peninsula Restoration Group (the Group), please find enclosed the Remedial Action Report (RAR) for the Demolition of Buildings 15, 17, 18 and 21 at the Standard Chlorine Chemical Company, Inc. Site located in Kearny, New Jersey.

The demolition of the buildings is 100% complete and in accordance with the requirements set forth in the Demolition Remedial Action Work Plan (DRAWP). A total of 33 drums (55 gallons each) containing K085 waste from the Still in Building 18 were shipped to an incineration facility in Texas and are pending receipt of Certificates of Disposal (CODs). The CODs will be forwarded to the NJDEP upon receipt.

My certification as preparer of the RAR is included in the front of the document. The Group looks forward to continuing to work with the NJDEP to implement the demolition of remaining buildings. If you have any questions regarding this document, please feel free to contact me at (412) 428-9387.

Sincerely,

James S. Zubrow
Principal Hydrogeologist

cc: J. Karpa - NJDEP (hard copy)
A. Hess – U.S. EPA (hard/electronic copy)
M. Kelly – SCCC (electronic copy)
E. Castro – Tierra (hard/electronic copy)
M. Brourman – Beazer (electronic copy)
M. Slenska – Beazer (electronic copy)
G. Coscia – Langan (electronic copy)
K. Staiger – USEPA (hard/electronic copy)
M. Martello – Town of Kearny (electronic copy

200 Third Avenue ♦ Carnegie ♦ Pennsylvania ♦ 15106 ♦ (412) 279-3363 ♦ Fax: (412) 279-4332

# REMEDIAL ACTION REPORT
# FOR
# THE DEMOLITION OF BUILDINGS 15, 17, 18 & 21

## STANDARD CHLORINE CHEMICAL COMPANY, INC. SITE
## KEARNY, NEW JERSEY

*Prepared for:*

**Peninsula Restoration Group**
**(Standard Chlorine Chemical Co., Inc., Tierra Solutions, Inc.**
**and Beazer East, Inc.)**

*On behalf of*
**Standard Chlorine Chemical, Co., Inc.**

*Prepared by:*

**Key Environmental, Inc.**
**200 Third Avenue**
**Carnegie, Pennsylvania 15106**

**March 30, 2012**

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**"EXHIBIT A"**
**CERTIFICATION**

**Pursuant to N.J.A.C. 7:26C-1.2**

Regarding the *Remedial Action Report for the Demolition of Buildings 15, 17, 18 & 21 dated March 31, 2012* (collectively, including all enclosures, the "Submission") prepared by Key Environmental Inc. (Key) for the Peninsula Restoration Group on behalf of Standard Chlorine Chemical Co., Inc. (SCCC) and Tierra Solutions, Inc. (Tierra) (on behalf of Occidental Chemical Corp.), and submitted herewith by SCCC, pursuant to the October, 1989 Administrative Consent Order for the SCCC Site located in Kearny, New Jersey, and Tierra Solutions Inc. (on behalf Occidental Chemical Corp.), pursuant to the April 1990 Administrative Consent Order that includes the SCCC site and the former Diamond Site, both located in Kearny, New Jersey, the undersigned officer of Key, does state as follows:

*"I certify, under penalty of law that I have personally examined and am familiar with the Submission and that the information provided in the Submission is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate, or incomplete information, and that I am committing a crime of the fourth degree if I make a written false statement that I do not believe to be true. I am also aware that, if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties."*

**KEY ENVIRONMENTAL, INC.**

James Zubrow, P.G. — President
Typed/Printed Name — Title

Signature — March 30, 2012
Date

Sworn to and subscribed before me on this 30th day of March 2012.

Signature of Notary Public

(Stamp and Seal/Commission Expiration Date)

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Kelly V. Kobistek, Notary Public
Carnegie Boro, Allegheny County
My Commission Expires April 15, 2014
Member, Pennsylvania Association of Notaries

# 1.0. INTRODUCTION

This Remedial Action Report (RAR) for the Demolition of Buildings 15, 17, 18 & 21 located on the northeastern portion of the Standard Chlorine Chemical Company, Inc. (SCCC) Superfund Site (Site) has been prepared to document the activities associated with the demolition of these buildings. The SCCC Site is located at 1025 to 1035 Belleville Turnpike, Kearny, New Jersey, and occupies approximately 25 acres identified on the Town of Kearny Tax Map as Block 287, Lots 48, 49, 50, 51, 52, and 52.01 (Figure 1). All four buildings were located in Lot 49.

In October 1989, SCCC and the New Jersey Department of Environmental Protection (NJDEP) executed an Administrative Consent Order (ACO) under which SCCC agreed to undertake certain Interim Response Measures (IRMs), and the investigation and remediation of the Site. Since that time, various remedial investigations and IRMs have been implemented at the Site under the SCCC ACO. In April 2003, the EPA proposed adding the Site to the National Priorities List (NPL) established under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund), 42 U.S.C. §§ 9601 *et seq*. The Site subsequently was added to the NPL in September 2007.

An Interim Response Action Work plan (IRAW) for the Site was prepared by Key Environmental, Inc. (KEY) and subsequently approved by NJDEP on March 31, 2008. The IRAW included the installation of a slurry wall around the perimeter of the Site, the adjacent Diamond Site, and portion of the adjacent Seaboard Site; and also included a steel sheet pile wall along the river frontage of the SCCC and Diamond properties. The IRAW project was substantially completed in December 2011.

A separate Demolition Remedial Action Work Plan (DRAWP) for the Track 2 buildings was prepared by KEY at the request of NJDEP and submitted for review on May 27, 2010. Comments were received from NJDEP and incorporated into the final DRAWP dated August 13, 2010. The NJDEP approved the DRAWP by letter dated April 14, 2011 (Appendix A).

This RAR documents the work completed in accordance with the DRAWP and includes a discussion of pre-construction activities, erosion and sedimentation controls, asbestos abatement, third party asbestos air and perimeter site air monitoring, demolition and site restoration. Also included in the RAR is a compilation of key project and regulatory correspondence, a summary of building characterization data, daily logs and photographs, asbestos abatement documentation, waste management documentation and air monitoring data.

## 1.1. BACKGROUND

The SCCC Site consists of several parcels totaling approximately 25 acres that were formerly owned by two related entities. Standard Naphthalene Products Co. Inc. (SNP), a wholly-owned subsidiary of SCCC, owned Block 287, Lots 48, 49, 51, 52 and 52R (collectively, the SNP Property), located at 1025 Belleville Turnpike. These lots comprise approximately 16.6 acres. SCCC owned Block 287 Lot 50 (the SCCC

Property), located at 1035 Belleville Turnpike. This land consists of approximately 8 acres located in the southwestern portion of the Site. In December 2010, the titles of these two properties were turned over to the Town of Kearny, NJ.

Manufacturing operations were conducted on the SNP Property between 1916 and approximately 1980. Records indicate that chemical processing activities conducted on the SNP Property took place exclusively on Lot 49, which includes buildings 15, 17, 18 and 21.

Lot 49 also was the location of some storage, packaging, and warehouse activities. These buildings - Buildings 16, 19, and 20, were previously demolished under a separate plan in 2010 in order to expedite the Interim Response Action Work Plan (IRAW) that was being implemented at that time under NJDEP oversight.

SNP process operations on Lot 49 involved subliming (the conversion of liquid naphthalene to gas to solid) in a subliming chamber; and the flaking, crushing and balling of the solid naphthalene. The only raw material used in these processes was pure refined petroleum naphthalene.

Other historical manufacturing-related activities conducted on Lot 49 included converting refined naphthalene and paradichlorobenzene into various solid forms, manufacturing naphthalene disinfectants, and storing finished goods (naphthalene, sulphur candles and disinfectants).

The chemical processing activities at the SNP Property took place primarily in the former distillation building (Building 18), which was constructed in the mid-1940s and located in the center of Lot 49. Between 1945 and 1962 Building 18 was used by Koppers for processing naphthalene. Process wastes if any, were placed into two lagoons located on the adjacent Lot 52. Between 1962 and 1981, Building 18 and its processing equipment were leased by SNP to SCCC for use in the distillation separation of dichlorobenzenes (1962-1980) and trichlorobenzene (mid 1970s). It was the only building at the Site to be used in chlorobenzene separations.

Buildings 15, 17 and 21 were used primarily for naphthalene refining. Building 15 was known as the “Ball Crusher Building”, 17 as the “Pan Building”, 18 as the “Napthalene Still” and 21 as the “Washer Building”.

## 1.2. BUILDING MATERIAL CHARACTERIZATION

Between 2004 and 2010, various sample collection events were conducted to characterize the building materials. This work included characterization of asbestos containing materials (ACMs), lead in paint, and PCBs in window caulk. Subsequently, in 2010, organic and inorganic analyses of building components (glass, wood, concrete, debris etc.) were performed in accordance with the NJDEP Solid and Hazardous Waste Management Program's “Waste Classification Request Form" (HWM-009)[1]. The data

[1] NJDEP Bureau of Landfill and Hazardous Waste Permitting: Waste Classification Request Form and Instructions (HWM-009) dated June 22, 2009.

from these various sample collection events were compiled and are presented in Appendix B. A summary of the activities and findings is presented below.

In 2004, Omega Environmental Services, Inc. (Omega), a New Jersey firm specializing in, and licensed for, building inspection and asbestos evaluation, performed a lead-based paint assessment and an ACM survey of all the buildings on the SCCC Site. The lead survey completed in 2004 indicated that lead-based paint was present in the building materials at concentrations up to approximately 12%. The results of the ACM survey showed that ACM was present in transite panels, pipe insulation, and roof materials. The results of the lead and ACM survey are summarized in Appendix B.

In 2006, the NJDEP adopted a more sensitive test method called Transmission Electron Microscopy (TEM) for analyzing Category I non-friable ACM. This testing is implemented when the standard Polarized Light Microscopy (PLM) analysis findings show that a sample contains less than or equal to 1 percent (%) ACM or where a sample is found to contain no asbestos. In order to be compliant with the new regulation, additional samples meeting the criteria above were collected and analyzed by TEM (2010). The data for Buildings 15, 17, 18 & 21 showed ACM present in window caulking/glaze, pipe insulation, electric wire wrap and wall board (Appendix B). These data were used to design the asbestos abatement scope of work.

EPA has identified that PCB-containing window caulk may have been used in many masonry buildings around the United States at concentrations of up to 15,000 ppm. As such, caulking from the SCCC buildings was sampled for PCBs to determine whether PCBs are prevalent in the SCCC buildings. No PCBs were detected in the caulk samples collected from Buildings 15, 17, 18 &21 above detection limits except one sample from Building 18. PCBs in caulk were detected in this sample at a concentration of 1.3 mg/kg which is below the EPA criterion of 50 mg/kg (Appendix B).

KEY identified waste types (e.g., ACM, concrete/brick/masonry, wood and glass) as part of pre-demolition activities and prepared and submitted a Site-Specific Sampling and Analyses Plan (SSSAP) to the NJDEP Waste Classification Unit on April 19, 2010. The SSSAP was prepared to incorporate the requirements of the Waste Classification Request Form Guidance HWM-009. The SSSAP was approved by NJDEP on June 18, 2010 contingent on their receipt of a revised plan that incorporated NJDEP's comments contained in the approval letter (Appendix A). The final revised SSSAP was submitted to NJDEP on August 13, 2010.

Sample collection was completed in May/June 2010 and in accordance with the final SSSAP. The analytical results, which are provided in Appendix B, indicated that the building materials are classified as Dry Industrial Solid (ID27, ID27A) or Bulk Liquids (ID72) non-hazardous waste, with the exception of the wood material from Buildings 15 and 21. Analytical results indicated that this material is a RCRA hazardous waste, exhibiting the characteristic of toxicity for chromium (i.e. D007). NJDEP provided letters indicating their concurrence with the waste determinations. These letters are included in Appendix A.

Waste classifications for known hazardous waste, such as the Still bottom K085 listed waste, were not necessary and were not included in the SSSAP.

Building material samples were also analyzed for polychlorinated dibenzodioxins/furans (PCDD/PCDF) as part of the SSSAP. Composite samples of various materials (concrete/masonry/brick; asbestos containing material and transite, glass/debris, sump contents, tank/drum contents and wood) were obtained and analyzed for PCDD/PCDF to document dioxin levels in demolition debris. The analytical results for these additional samples are summarized in Appendix B. Twelve (12) of the 24 samples were non-detect or less than 1 ppb (TEQ) for dioxins. Concentrations in the remaining samples ranged from 1 to 3,328 ppb (TEQ). As expected, the higher levels were detected in samples collected from the process building 18.

## 1.3. BUILDING DESCRIPTIONS

### BUILDING 15

Building 15 was a four-to-five story, transite panel-sided building located in the northwest portion of Lot 49. Its footprint was approximately 4800 square feet (sf). The external stairwells and landings were in poor condition. The building was constructed in the 1950s and was used exclusively in connection with naphthalene product manufacture from its initial construction until 1980. In 1958, this building was identified as the "Ball Crusher Building." Inside the building, there was a large steel mezzanine structure which rose vertically. Several large mix tanks with large screw augers were also present in the mezzanine structure. Air handling fans/vents were present on the roof of the building.

### BUILDING 17

Building 17 was a 2-story brick and concrete building located in the west portion of Lot 49. Like Building 15, it was constructed in the 1950s and used exclusively in connection with naphthalene product manufacture. In 1958, this building was identified as the "Pan Building". The building was empty. Air handling equipment was present on the roof.

### BUILDING 18

Building 18 was the tallest building in Lot 49 and was located east of Building 17. The building was an 8-story, transite-sided, former distillation building with a footprint of approximately 1,875 sf. In 1945, the building was identified as "Naphthalene Still." Between its construction in approximately 1945 and 1962, it was used for the distillation of coal tar naphthalene. Between approximately 1963 and 1981, Building 18, and the equipment within it, was leased to SCCC for use in the separation of dichlorobenzenes, and for a period of time during the mid-1970s, trichlorobenzenes. It was the only building at the Site to be used in chlorobenzene separations. The distillation column, Still, ancillary piping, other tanks, control panels, and other equipment were present within the building. Several tanks were situated immediately west of Building 18. These tanks were empty as a result of an IRM performed in the early 1990s.

Pre-demolition inspections indicated that much of the insulation was removed from the distillation tower; however, loose, friable asbestos was present within the building primarily on the higher floors and on the upper levels of the distillation tower. A large mezzanine structure was present on the west side of the building with stairs that rose to the top of the tower. Several tanks and/or heat exchangers were present at the top of tower, as well. The second floor had a control room to the north that contained several tanks, old controls, and some chemical feed tanks. Drums were present along the south wall on the first floor.

**BUILDING 21**

Building 21 was a 2-story, transite panel-sided building with concrete floors and roof support. Building 21 was located east of Building 18 and its footprint was approximately 650 sf. In 1936, this building was identified as the "Washer Building". Between its construction and approximately 1962 it was used for the "washing" of coal tar naphthalene; it was not used after 1962. The building was empty at the time of demolition.

# 2.0. SUMMARY OF THE WORK

## 2.1. PROJECT ORGANIZATION

The Peninsula Restoration Group (PRG), acting on behalf of SCCC, has completed the Interim Response Action (IRA) activities including the demolition of Buildings 15, 17, 18 & 21. The PRG is comprised of SCCC, Beazer East, Inc. (Beazer) and Tierra Solutions, Inc. (Tierra). KEY was engaged by PRG to perform oversight during demolition contractor procurement and overall demolition field work.

Technical specifications were prepared by KEY and the demolition and asbestos abatement work scopes were competitively bid. Chemtron Corporation (Chemtron) was selected by the PRG as the general contractor. Their main office is located at 33565 Pin Oake Parkway, Avon Lake, OH.

Chemtron subcontracted the asbestos abatement to Precision Environmental Co. (Precision) located at 5500 Old Brecksville Road, Independence, OH, and the demolition work to B & B Wrecking & Excavating Inc. (B&B) located at 4510 E. 71st St. Cleveland, OH. Precision Environmental is a licensed New Jersey asbestos abatement firm (License No. 01143).

KEY retained Environmental Tactics Inc. (ETI) located at 64 Broad Street in Matawan, New Jersey to serve as the third party project monitor during asbestos abatement activities. ETI is a licensed Asbestos Safety Control Monitor (ASCM) in the State of New Jersey (License # 00045).

## 2.2. PRE-CONSTRUCTION ACTIVITIES

Prior to mobilization to the Site, Chemtron prepared a demolition work plan, (independent and completely separate from the Demolition Remedial Action Work Plan prepared by KEY and approved by the NJDEP) and an addendum to their Health and Safety Plan (HASP) that described the means and methods of the work, an overall schedule and an evaluation of potential physical and chemical hazards. Their HASP addendum incorporated the HASP prepared by the abatement contractor (Precision).

A project Kick-Off Meeting was held on September 28, 2011 and attended by the Chemtron's Site Manager, Project Manager and Safety Manager, Precision's Superintendent and Project Manager, B&B's Site Manager, Project Manager and Safety Manager, KEY's Project Manager, Corporate Safety Officer and Site Supervisor, and the representatives from PRG. The scope of work, site safety and job procedures, site hazards, and emergency and communication procedures were reviewed. A detailed presentation of the Health and Safety Plan was performed by the Chemtron' Safety Manager.

ETI and KEY performed baseline perimeter air monitoring beginning on October 11, 2011, for three days, to establish background conditions. Details on the air monitoring are presented in Section 2.5.

Additionally, an evaluation of the structural condition of building 18 was performed by a NJ licensed Professional Engineer prior to the work as part of the health and safety plan and work plan preparation. The building stairs and platforms were determined to be sound.

Chemtron also procured the demolition permit from the Town of Kearny as part of the pre-construction activities. The permit application required certification from Public Service Electric & Gas Co. (PSE&G) that all utilities at the work site were properly disconnected. Also, notifications were made to adjacent property owners as part of the permit application process. The demolition permit was issued by the Town of Kearny on November 2, 2011. A copy of the approved permit is presented in Appendix A. Asbestos abatement notifications were prepared and submitted by Precision in accordance with NJAC 12:120-7.1 and NESHAP 40CFR 61.145(b) requirements. The initial notification was made on September 22, 2011 but was placed on hold. The notification was revised due to the change in the start date and re-submitted on October 14, 2011. Subsequent notifications were submitted due to changes in the completion date. Copies of the notifications are presented in the final Third Party Air Monitor Report (refer to Section 2.5).

The Town of Kearny Abatement permit applications were also prepared and submitted by Precision. The Town of Kearny issued the Abatement permits on November 2, 2011. Copies of the approved permits are presented in Appendix A.

Precision also prepared and submitted the permit application for a temporary trailer. The New Jersey Meadowlands Commission (NJMC) approved a Conditional Zoning Certificate for the temporary trailer on October 27, 2011. The Town of Kearny approved a construction permit for placement of temporary trailers on November 2, 2011.

Mobilization by Chemtron and their subcontractors began on October 25, 2011 and initiated site preparation for abatement and demolition activities which included establishing equipment staging areas, cordoning off the work area, sealing the building, building the working platform consisting of 2-1/2-inch clean recycled stone (refer to Appendix I for certification), and setting up the personnel decontamination area. Abatement activities began on November 2, 2011 upon receipt of the Town of Kearny Abatement and Demolition Permits.

KEY performed oversight of the Contractor's work and maintained daily narrative logs and photographs to document the progress of the work. The daily logs and photographs are presented in Appendix C and D respectively. KEY also implemented the Air Monitoring Plan for the Track 2 demolition and monitored for dust and volatile organic compounds (VOCs) at five (5) perimeter locations during the entire duration of the project. Environmental Tactics collected air samples for asbestos fibers at these five (5) perimeter locations only during the abatement portion of the work. Details on the air monitoring are presented in Section 2.5.

## 2.3. EROSION CONTROL

Erosion and sedimentation (E&S) controls were installed by the Contractor prior to demolition activities. The E&S controls included hay bales and a silt fence barrier system along the west side of Building 15 and 17, between the buildings and the drainage ditch/existing wetlands. E&S control installed at the storm drain north-east of the former Building 20 was maintained by the Contractor.

Also, prior to the start of work, site conditions and grades changed around the Track 2 demolition area as a result of the IRAW activities completed. The installation of the sheet pile wall, slurry wall and related slurry wall working platform increased the elevation by several feet on the eastern side of Building 20. In addition, the SCCC Consolidation Area drainage channel diversion berms along the southern side of Building 17 and 18, and the containment berms along the north and west perimeter of the Track 2 demolition area, effectively created a barrier preventing potential stormwater run-off from the Track 2 Demolition area directly to the river or adjacent asphalt areas and obviated the need for installation of hay bales and silt fence to the east of former Building 20.

## 2.4. ASBESTOS ABATEMENT

Once the work area was prepared, Precision initiated asbestos abatement activities beginning with Building 18 and followed by Buildings 15, 17 & 21. The work was performed in accordance with the Asbestos Abatement Work Plan for Building 18 and a separate plan for Buildings 15, 17 & 21. Both plans were designed by Omega Environmental Services and are included as Appendix A of the DRAWP. The major components of the work plans are described below and include:

- Scope of work;
- Standard operation procedures;
- Emergency precautions;
- Reference notices and standards;
- Quality assurance;
- Submittals;
- Material and equipment;
- Respiratory protection requirements;
- Temporary facilities;
- Worker and waste decontamination system for Asbestos Abatement;
- Work area preparation;
- Clean –up procedures;
- Asbestos waste disposal;
- Air monitoring;
- Contingency plan;
- Lead materials and lead-based paint; and,
- Post-project close-out.

ETI was also on-site performing third party project monitoring of the work area as well as perimeter air monitoring for asbestos fibers in accordance with the Air Monitoring Plan presented as Appendix B of the DRAWP.

Every morning and throughout the day as necessary, Chemtron/Precision held a Health & Safety tailgate meeting with the crew to discuss relevant observations, the plan and work to be completed that day, as well as any change in conditions that may have occurred as work proceeded.

**Building 18**

Precision began preparation activities with the mobilization of personnel, equipment and supplies. Preparation work on Building 18 was initiated by constructing the critical barrier and covering exterior windows, doors and building openings with a double layer of 6 mil poly sheeting so that the work zone could be placed under negative pressure during the abatement of friable ACM. A remote two-stage decontamination area was also established on the east side of Building 18, and appropriate ventilation was erected. Subsequently, HEPA filters were installed and the building was subject to negative pressure.

Environmental clean-up of loose debris on the ground floor was performed as well as the overpack/removal of drums of investigation derived wastes. Abatement began once the area was cleared by the third party project monitor.

Abatement began with the removal of friable ACM-insulated pipe from the interior of Building 18. The work was performed using the glove bag method. Wrapped ACM was placed into double-lined Gaylord boxes that were properly sealed and labeled in accordance with the Work Plan. ACM glove bagging and final cleaning of the ground floor was performed on November 3, 2011. The third party project monitor performed visual inspection and collected clearance samples from the northern portion of the ground floor. Subsequently, abatement of the friable ACM work continued for the remaining portion of Building 18 from the top floors to the bottom. The friable ACM from all the floors was removed and packaged in plastic bags and subsequently placed into double-lined Gaylord boxes. Any debris on the floors was swept and/or removed using vacuum cleaners and packaged into the double-lined Gaylord boxes. A wash-down of the inside of the building was conducted from the top to bottom. Wash-down water was collected at a sump on the ground floor and drummed for disposal. After dry out of the interior, the third party project monitor performed a visual inspection of the cleaned areas. Abatement of the friable ACM was completed on November 21, 2011 and final clearance for abatement of friable ACM was obtained on November 23, 2011.

On November 29, 2011, Precision began removal of transite panels and window frames from Building 18 using wet methods. The work was performed using hand tools and access was provided using two manlifts. The intact transite panels were removed and placed into the waste disposal roll-off containers. Also, the intact window frames were removed and placed into the waste disposal roll-off containers. The

abatement of non-friable ACM from Building 18 was completed on December 7, 2011. Visual inspection and final clearance was performed by ETI.

**Building 15, 17 & 21**

On November 2, 2011, Precision began removing transite panels from the Building 21 using wet methods. The work was performed using hand tools; access was provided using manlifts. The intact transite panels were removed and placed on two layers of plastic sheeting according to the Asbestos Abatement Work Plan. The panels were then transferred to the waste disposal roll-off container lined with two layers of plastic sheeting. The window frames from the building were removed in order to complete removal of caulking from the window panes. The window frames were disposed along with the packaged transite panels. The abatement work on Building 21 was completed on November 8, 2011 and visual inspection and final clearance was performed by ETI.

Precision then proceeded with the abatement of window glazing/caulking from 17 windows in Building 17. A manlift was used to access the work area and the windows were removed whole and intact. The removed windows were placed into a separate roll-off container lined with two layers of plastic sheeting. Once the windows were removed, Precision began to abate the transite panels using the same work methods as utilized for Building 21. This work was completed on November 12, 2011. Visual inspection and final clearance samples were performed by the third party project monitor.

On November14, 2011, Precision began removal of transite panels and window frames from Building 15 using wet methods. The work was performed using hand tools and access was provided using two manlifts or from the ground surface. Removal was conducted in a similar fashion as described above for building 18 & 21. The transite panels and window frames were placed into waste disposal roll-off containers that were lined with two layers of plastic sheeting. The abatement work on Building 15 was completed on December 7, 2011. Visual inspection and final clearance was performed by ETI.

Asbestos abatement work was completed on December 7, 2011 and the asbestos abatement contractor demobilized from the Site on December 8, 2011.

The Contractor's asbestos abatement documentation is presented in Appendix E of this report and includes:

- Copies of the worker and contractor licenses;
- Insurance certificate;
- Copy of the waste shipment records;
- Copy of the Contractor's bound log book; and,
- Asbestos notifications.

The Certificates of Completion are included in the project monitor's report as described in Section 2.5.

## 2.5. AIR MONITORING

Real-time perimeter and work zone air monitoring for asbestos fibers was conducted throughout the abatement work by third party certified Asbestos Safety Technician (AST) from ETI.

Dust emissions were monitored continuously using a portable aerosol monitor DustTrak & a Gilian GilAir-5 constant flow air sampling pump. This pump was also equipped with an asbestos sampling cassette that was used to obtain samples of airborne asbestos concentrations upwind, downwind and crosswind during the work days.

Asbestos samples were sent to the analytical laboratory and analyzed by the NIOSH Method 7400 phase contrast (PCM) as well as NIOSH Method 7402 Transmission Electron Microscopy (TEM). Results are summarized in ETI's Asbestos Remediation Report attached as Appendix F. No samples were found to contain fibers above action levels. Also included in the Asbestos Remediation Report is the AST's observations, notifications and permits, certification of analysis, the AST's daily logs, daily attendance records, ASCM firm and AST training and license documentation, waste manifests, and Certificates of Completion.

Perimeter dust and VOC monitoring was conducted by KEY during the entire duration of the work using DustTraks and ppbRAEs setup in environmental enclosures powered by solar panels. Throughout the abatement and demolition field activities, only two exceedances above the daily action levels were recorded for the dust monitors; one on December 13, 2011 and one on December 19, 2011. The exceedance on December 13, 2011 resulted from sensor drift that was corrected by re-zeroing the instrument; this was an upwind location. The exceedance on December 19, 2011 appeared to be a short duration (14 minutes) event not directly related to demolition activities (parking area). Neither exceedance approached the New Jersey Adjusted Ambient Air Standard[2]. Graphs developed for the daily perimeter monitoring for dust and VOCs are presented in Appendix H.

## 2.6. ENVIRONMENTAL HAZARD REMOVAL

Prior to initiation of demolition, the former Still and sump under the Still in Building 18 were cleaned. The remains/residue in the Still was removed and the Still was cleaned using a high pressure wash. Decon water was collected and transferred into drums for appropriate disposal (Refer to Section 3.0). Residual debris/cake was found in the bottom of the Still under the interior condenser pipes/plates and was also removed and transferred into drums for appropriate disposal. After removal of the debris/cake, the Still and condenser plates/pipes were pressure washed. The wash waters were again collected and transferred into drums for appropriate disposal. This waste was managed as a RCRA Listed

[2] The New Jersey Adjusted Ambient Air Standard is an upper ceiling action level from NJDEP referenced in a memo on Requirements for Revision of the Air Monitoring Plan, March 4, 2008 provided to KEY for the air monitoring at the adjacent Seaboard Site (Kearny NJ).

Hazardous Waste - K085 Still bottoms because these materials were likely the result of historic chlorobenzene distillation (refer to Section 3.0).

Debris, water and sediments were removed from the sump under the Still in Building 18 and two sumps in Building 17. The sumps were cleaned and backfilled with clean stone to grade. The cleaning process consisted of the initial removal of liquids with a vacuum truck, high pressure wash to remove solids and clean concrete and final removal of liquids with the vacuum truck. The amount of sediment in the bottom of the sumps was minimal except for the larger sump in 17 where approximately a foot of sediment was manually removed prior to pressure washing. Both liquids and solids were appropriately containerized for disposal.

A sink in Building 18 was observed to contain mercury in the drain pipe. The drain pipe was less than six (6) inches long and was sealed at the bottom. Prior to demolition, the drain was removed intact, wrapped in double-lined plastic sheeting and transferred into a Gaylord container that was also double-lined with plastic sheeting. Thermometers and barometers containing mercury were removed from equipment chambers. The removed materials were packaged and transferred into a drum for appropriate disposal (refer to Section 3.0). The equipment and components in Building 18 were checked for any other evidence of mercury and no other materials were observed.

An electric switch containing dielectric fluid was found within a circuit box in Building 18. Prior to demolition, the switch was removed from the building and segregated for appropriate disposal (refer to Section 3.0).

## 2.7. DEMOLITION

Following the completion of asbestos abatement and environmental cleaning, the demolition of the buildings was completed. B&B performed the demolition using mechanical methods. A CAT330 excavator and/or a Komatsu PC400 excavator equipped with a shear or grapple attachment were utilized for the demolition activities. The Building 18 metal frame structure along with the fractionating column was demolished using a controlled drop procedure. Metal cables were tied to the top and bottom of the metal frames on the western side. The drop location/ ground surface was prepared by placing approximately 3-feet of stone bedding. The metal trusses and the fractionating column were torch cut on the western side and the cables were extended in a controlled manner using the CAT330 and PC400 excavators. Once the building was brought to ground surface, metal trusses were cut using the excavator with shear attachment. Some torch cutting was performed on larger pieces of steel to size the material for shipping and/or to prepare specific areas for demolition.

The work was performed in accordance with the Contractor's Health and Safety Plan and supervised by the Chemtron's Site Supervisor and Site Safety Manager. Water was used to wet the surfaces during demolition to control potential dust migration.

Construction and Demolition (C&D) debris, consisting of wood, glass, debris, brick, concrete blocks and concrete equipment pedestals, was placed in waste disposal containers for eventual disposal off-site. No concrete was recycled. Concrete building floor slabs were left in place in accordance with the DRAWP. Equipment pedestals and tank cradles were removed to match the surrounding ground surface.

A total of three (3) pipes extending to below grade/slab level were observed in the floor slabs (two in Building 18 and one in Building 15); the pipes were observed to be empty and did not contain visual evidence of contamination. The pipes were filled with flowable grout and sealed to slab level using a concrete cap. Equipment slabs and tank cradles extending above the floor slabs were cut off to floor slab level and any projections such as rebar etc. were cut-off flush with the concrete floor. Scrap metal was segregated for eventual recycling. Tanks and the fractionating column were swept clean for rust/debris, and washed and rinsed with water prior to sizing the metal for recycling.

Demolition activities were completed the week of January 9, 2012. Restoration and waste disposal activities were conducted during the weeks of January 9 and January 16. All mobile equipment was decontaminated at the Site decontamination pad prior to demobilization from the work area. No existing Interim Response Measures (IRMs) were disturbed during the demolition activities.

## 2.8. SITE RESTORATION

The ground surface around the Process Buildings 15, 17, 18 & 21 was slated to have a “capillary break” installed as part of the Interim Response Action (IRA). The originally proposed capillary break consisted of a geotextile placed over soil and topped with a six (6) inches of coarse aggregate (NJDOT No. 4). This work was initially scheduled to be completed prior to the demolition of the buildings. However, the soils surrounding the process buildings were soft and there was concern that the capillary break would be damaged during demolition by heavy excavators and other mobile equipment. With this consideration, a working platform consisting of 2-1/2-inch clean recycled stone, was installed by the demolition contractor prior to the Track 2 activities.

The working platform was installed up to and around the building floor slabs to create a flat working surface. Once demolition was complete, additional clean coarse aggregate (NJDOT No. 8) was placed to bridge low and/or soft areas and created a flat surface for the construction of capillary break. Once the sub-grade was prepared, a non-woven geotextile fabric was laid out in panels with approximately 1.5 to 2 feet of overlap between sheets. Subsequently, a 6-inch layer of coarse aggregate (NJDOT No. 4) was spread over the top of the fabric. The coarse aggregate was graded using a CAT D6N dozer. As an interim surface cover, the capillary break was extended over the floor slabs of Building 15 and 21. The lateral extent of the capillary break in the Track 2 demolition area were installed up to the edge of asphalt surface on the north, to the existing capillary break on the east, to the SCCC Containment Area (CA) channel diversion berm on the south, and to the containment berm on the west. The hydraulic control well vaults, pull boxes and floor slabs of Buildings 17 & 18 were excluded from this coverage. The floor slabs of Buildings 17 and 18 received a more robust interim surface cover including four (4) inches

of asphalt pavement. The limits and details of the capillary break and asphalt IRMs are presented in Figure 3. Material specification sheets for the geotextile fabric, the working platform clean recycled stone, and the coarse aggregates (NJDOT No. 4 and No. 8) are presented in Appendix I.

## 3.0. WASTE MANAGEMENT

This section outlines the requirements and disposition of materials generated as part of the ACM removal and demolition work. Table 1 summarizes waste types, quantities, manifest numbers, date of shipment and final disposal location.

### 3.1. SCRAP METAL

The Contractor prepared scrap metal (steel, wire, etc.) for recycling shipped directly to a smelter steel mill. The prepared scrap metal was sent to Gerdau Ameristeel located at North Crossman Road in Sayreville, New Jersey.

All the metal materials designated for recycling were sized on-site, placed into roll-off containers which was specifically provided for this purpose, and hauled off-site to the mill. Bills of lading and a receiving ticket from the mill were obtained for each load to document shipment and the receipt of the metal. A total of 14 loads of steel (342.7 tons) were recycled into the mill process.

Two Gaylord boxes (1 CY per box) of lead window/door flashing were recovered during the demolition activities. The two boxes were packaged, labeled appropriately and shipped to Victory White Metals Company (Cleveland OH) via Chemtron Corporation. Subsequently, the lead material will be shipped to ECS Refining facility in Texas for smelting.

### 3.2. C&D MATERIALS & NON-HAZARDOUS WASTE MANAGEMENT

C&D materials (debris, glass, brick, concrete, and wood) generated during demolition activities that were characterized as non-hazardous were segregated, as appropriate, containerized and stored in accordance with all applicable requirements. The Contractor provided roll-off containers for collection/segregation of the materials during the project. The C&D materials were transported to an off-site landfill, either EQ Wayne Disposal located in Belleville, MI or NJMC Keegan landfill located in Lyndhurst, NJ, for disposal depending on the material characterization. A total of approximately 542.36 tons of C&D materials were removed from the Site.

The C&D waste detailed above also included one half load of mixed metal material (4.87 tons) that could not be directly sent to the mill furnace (control panels; pumps, motors comprised of ferrous and non-ferrous metal). This material was shipped to EQ Wayne Disposal facility located in Belleville, MI for proper disposal (Table 1). The waste profile to EQ for concrete/brick/masonry was amended to include this material.

Non-hazardous sump solids and liquids recovered from the sumps in Buildings 17 and 18 were segregated and packaged into drums. The drums were sealed and labeled appropriately and shipped to EQ Michigan Disposal Waste Treatment Plant located in Belleville, MI for proper disposal. A total of 120 drums containing the sump solids and liquids were removed from the Site.

Non-hazardous debris/rust materials scraped from the tanks and fractionating column were segregated and packaged into drums. These materials primarily included flakes of rust/debris embedded along the inner circumference of the tanks and column that were unknown prior to demolition. These materials were not evident during the pre-demolition characterization activities and as such were not sampled as part of the Waste Characterization sampling. Subsequent to segregation and containerizing, the material was sampled for constituents of concern including chlorobenzene, naphthalene and PCBs. The analytical results were similar in degree to the results reported for the characterization samples from Building 18 waste (receiving tanks/condenser/sump contents). Therefore, the debris/rust materials were labeled appropriately and seven (7) drums were shipped to EQ Michigan Disposal Waste Treatment Plant located in Belleville, MI and three (3) drums were shipped to EQ's Wayne Disposal.

Dielectric fluid recovered from an electric switch was segregated and packaged into a drum. The material was sampled for PCBs and a concentration of 7 mg/kg was reported. The electric switch was located inside a control panel box became evident only after removal of asbestos containing materials as part of the abatement activities. The switch was not evident during the pre-demolition characterization activities and as such was not sampled as part of the Waste Characterization sampling. The one (1) drum containing the non-hazardous fluid was labeled appropriately and shipped to Chemtron Corporation for fuel blending.

Two (2) 55 gallon drums with liquids presumably left over from the previous operations were recovered from the Building 18. Based on the waste characterization sampling, the drums were labeled appropriately and shipped to EQ Michigan Disposal Waste Treatment Plant located in Belleville, MI.

Water collected from washing/rinsing of tanks and equipment (other than the Still) was collected and containerized. The water was sampled for the site specific constituents of concern including VOCs, SVOCs and metals. The analytical results indicated that the water was suitable for treatment in the on-site Hydraulic Control Treatment System (HCTS). Therefore, the contents of the four (4) drums containing the washing/rinsing water were transferred into the HCTS influent tank and processed.

The non-hazardous debris recovered from the Building 15 hoppers was segregated and packaged into drums. Based on the waste characterization sampling, a total of two (2) drums were labeled appropriately and shipped to EQ Michigan Disposal Waste Treatment Plant located in Belleville, MI for disposal.

Analytical results for the additional waste characterization samples referenced above are included in Appendix B. Letters documenting proper disposal of the materials were obtained from the respective facilities for each shipment. Copies of the waste shipment manifests and certificates of disposal are presented in Appendix G. Details of the waste shipments are summarized on Table 1.

### 3.3. HAZARDOUS WASTE MANAGEMENT

The sludge/residue cake in the bottom of the Still and wash-out water from the Still were removed and packaged into drums using a vacuum truck. Based on EPA hazardous waste listing, the material was characterized as K085 waste (distillation or fractionation column bottoms from the production of cholorbenzene). No residual material was present in the bottom of the fractionation column. The drums were labeled appropriately and shipped to Veolia's incineration facility located in Port Arthur, TX. A total of 33 drums containing the K085 solids and liquids were removed from the Site. Receipt of CODs is pending. The CODs will be forwarded to the NJDEP upon receipt.

The sink containing mercury and debris recovered from Building 18, was packaged appropriately into a Gaylord box (1 CY). The mercury in the sink drain became evident only during demolition activities. The mercury was not evident during the pre-demolition characterization activities and as such was not sampled as part of the Waste Characterization sampling. The one Gaylord box was labeled appropriately and shipped to Chemtron Corporation where the mercury was separated from the sink and debris materials. The sink was then appropriately decontaminated by Chemtron at their facility. The free mercury was packaged, labeled and shipped to Mercury Waste Solutions in Wisconsin for recycling. The decontaminated sink and debris were shipped to EQ's Michigan Disposal Waste Treatment Plant in Belleville, MI.

The wood from Buildings 15 & 21 that was characterized as hazardous for chromium (D007) was segregated during demolition and containerized in roll-off boxes provided by the Contractor. Although the wood from Buildings 17 & 18 was characterized as ID27 non-hazardous waste, it was consolidated and containerized along with the wood from Buildings 15 and 21 because of the small quantity (<10CY). The roll-off boxes were packaged, appropriately labeled and shipped to EQ's Michigan Disposal Waste Treatment Plant in Belleville, MI. A total of five (5) roll-off boxes containing 48.4 tons of wood were removed from the Site.

A total of 13 (55 gallons each) drums identified as dioxins investigation debris were removed from Building 18 prior to demolition. Several of the drums were in disrepair and therefore packaged in overpack drums. Based on the waste characterization sampling, PCBs were detected at a concentraction of 110 mg/kg and therefore the drums were labeled appropriately as TSCA waste. The overpacked drums were shipped to EQ's Michigan Disposal Waste Treatment Plant located in Belleville, MI for disposal.

Details of the waste shipments are summarized on Table 1.

### 3.4. ASBESTOS CONTAINING MATERIALS

ACM removed as per the abatement work plans was classified as "ID 27A" (non-hazardous asbestos) waste. Friable ACM was bagged and sealed with tape, labeled with generator identification and placed in designated asbestos waste containers (1CY Gaylord boxes) provided by the Contractor. A total of 99

Gaylord boxes were transported off-site and disposed in the Envirosafe Services of Ohio landfill located in Oregon, OH. The waste manifest and Certificates of Disposal are provided in Appendix G.

A total of nine (9) roll-off containers (approximately 270 CY) of non-friable ACM containing transite panels and windows containing non-friable window caulk/glazing and debris were transported to either EQ's Wayne Disposal facility located in Belleville, MI or Envirosafe Services of Ohio located in Oregon, OH for disposal, depending on material characterization.

Details of the waste shipments are summarized on Table 1.

## 4.0. CONCLUSIONS

The demolition of Buildings 15, 17, 18 & 21 was performed in accordance with the requirements and conditions set forth in the DRAWP. No major modifications were made to the scope of work with the exception of installation of an asphalt cover on top of Buildings 17 and 18 floor slabs, and the extension of the capillary break interim surface cover over Buildings 15 and 21 floor slabs. As documented in this RAR, the demolition of Buildings 15, 17, 18 & 21 at the SCCC Site is complete. The pending CODs will be submitted to NJDEP upon receipt.

**TABLE**

**TABLE 1**
**WASTE MANAGEMENT SUMMARY**
**BUILDING 15,17,18 21 DEMOLITION**
**SCCC KEARNY, NJ**

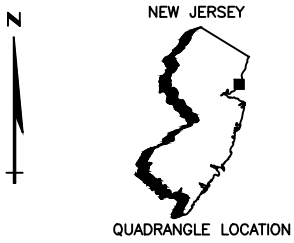
| Waste type | Date | Manifest Number | Waste Description | U.S DOT Description | # Containers | Type Containers | Quantity cu. yds. | Gal. | Quantity tons. | Transporter Name | EPA ID # Transporter | Disposer Name | EPA ID # Disposer | COD | Disposal method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Asbestos Waste | 11/29/2011 | 9172477 | Friable from B18 | NA 2212,Asbestos, 9, III | 44 | CF | 44 | | 13.18 | Freehold Cartage inc, | NJD 054126163 | Envirosafe Services of Ohio | OHD045243706 | 12/12/2011 | Landfill |
| | 12/1/2011 | 9172476 | Transite B21,17,15 | NA 2212,Asbestos, 9, III | 1 | CM | 30 | | 9.09 | Freehold Cartage inc, | NJD 054126164 | Envirosafe Services of Ohio | OHD045243706 | 12/14/2011 | Landfill |
| | 12/1/2011 | 9172475 | Transite B21,17,15 | NA 2212,Asbestos, 9, III | 1 | CM | 30 | | 9.09 | Freehold Cartage inc, | NJD 054126164 | Envirosafe Services of Ohio | OHD045243706 | 12/14/2011 | Landfill |
| | 12/5/2011 | 9172730 | Transite B21,17,15 | NA 2212,Asbestos, 9, III | 1 | CM | 30 | | 15.93 | Freehold Cartage inc, | NJD 054126164 | Envirosafe Services of Ohio | OHD045243706 | 12/6/2011 | Landfill |
| | 12/5/2011 | 9172731 | Friable from B18 | NA 2212,Asbestos, 9, III | 44 | CF | 44 | | 10.33 | Freehold Cartage inc, | NJD 054126164 | Envirosafe Services of Ohio | OHD045243706 | 12/6/2011 | Landfill |
| | 12/21/2011 | 9172915 | Transite Bldg 18 | NA 2212,Asbestos, 9, III | 1 | CM | 30 | | 7.52 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 12/21/2011 | 9172729 | Transite B21,17,15 | NA 2212,Asbestos, 9, III | 1 | CM | 30 | | 7.50 | Freehold Cartage inc, | NJD 054126164 | Envirosafe Services of Ohio | OHD045243706 | 12/22/2011 | Landfill |
| | 12/21/2011 | 9172728 | Transite B21,17,15 | NA 2212,Asbestos, 9, III | 1 | CM | 30 | | 7.40 | Freehold Cartage inc, | NJD 054126164 | Envirosafe Services of Ohio | OHD045243706 | 12/22/2011 | Landfill |
| | 12/22/2011 | 9172917 | Transite Bldg 18 | NA 2212,Asbestos, 9, III | 1 | CM | 30 | | 16.68 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 12/22/2011 | 9172916 | Transite Bldg 18 | NA 2212,Asbestos, 9, III | 1 | CM | 30 | | 11.87 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 12/23/2011 | 9172918 | Transite Bldg 18 | NA 2212,Asbestos, 9, III | 1 | CM | 30 | | 7.52 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/11/2012 | 9172725 | Friable from B 18 | NA 2212,Asbestos, 9, III | 10 | CF | 10 | | 2.30 | Freehold Cartage inc, | NJD 054126164 | Envirosafe Services of Ohio | OHD045243706 | 1/4/2012 | Landfill |
| | 3/13/2012 | 9172726 | Friable from B 18 | NA 2212,Asbestos, 9, III | 1 | CF | 1 | | 0.40 | Freehold Cartage inc, | NJD 054126164 | Envirosafe Services of Ohio | OHD045243706 | 3/27/2012 | Landfill |
| Sump Liquids & Solids | 12/2/2011 | 9172717 | Sump Liquids from B 17,18 | Non Hazardous non RCRA material | 96 | CM | | 5280 | | Allpro Freight | NA | Michigan Disposal Waste Treatment Plant | MID000724831 | Yes | Process/Buried |
| | 12/3/2011 | 9172718 | Sump Liquids & Solids from B 17,18 | Non Hazardous non RCRA material | 21 | DM | | 1155 | | Allpro Freight | NA | Michigan Disposal Waste Treatment Plant | MID000724831 | Yes | Process/Buried |
| | | | | | 3 | DF | | 165 | | | | | | | |
| Wood | 12/23/2011 | 9172876 | Wood Bldgs 15/17 (D007) | "RQ" NA 3077 Hazardous waste, solid,n.o.s. (Chrome),9,III | 1 | CM | 30 | | 7.52 | Freehold Cartage inc, | NJD 054126164 | Michigan Disposal Waste Treatment Plant | MID000724831 | Yes | Process/Buried |
| | 12/23/2011 | 9172877 | Wood Bldgs 15/17 (D007) | "RQ" NA 3077 Hazardous waste, solid,n.o.s. (Chrome),9,III | 1 | CM | 30 | | 7.52 | Freehold Cartage inc, | NJD 054126164 | Michigan Disposal Waste Treatment Plant | MID000724831 | Yes | Process/Buried |
| | 1/5/2012 | 9172881 | Wood Bldgs 15/17 (D007) | "RQ" NA 3077 Hazardous waste, solid,n.o.s. (Chrome),9,III | 1 | CM | 30 | | 10.48 | Freehold Cartage inc, | NJD 054126164 | Michigan Disposal Waste Treatment Plant | MID000724831 | Yes | Process/Buried |
| | 1/17/2012 | 9172878 | Wood Bldgs 15/17 (D007) | "RQ" NA 3077 Hazardous waste, solid,n.o.s. (Chrome),9,III | 1 | CM | 30 | | 11.96 | Freehold Cartage inc, | NJD 054126164 | Michigan Disposal Waste Treatment Plant | MID000724831 | Yes | Process/Buried |
| | 1/17/2012 | 9172879 | Wood Bldgs 15/17 (D007) | "RQ" NA 3077 Hazardous waste, solid,n.o.s. (Chrome),9,III | 1 | CM | 30 | | 10.92 | Freehold Cartage inc, | NJD 054126164 | Michigan Disposal Waste Treatment Plant | MID000724831 | Yes | Process/Buried |
| Concrete/ brick/ masonry | 1/4/2012 | 9172911 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 18.75 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/4/2012 | 9172913 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 11.64 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/4/2012 | 9172912 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 19.47 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/5/2012 | 9172907 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 19.14 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/5/2012 | 9172906 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 16.72 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/5/2012 | 9172908 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 13.74 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/5/2012 | 9172909 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 17.03 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/6/2012 | 9172904 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 17.96 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/6/2012 | 9172905 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 18.88 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/9/2012 | 9172901 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 17.30 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/9/2012 | 9172903 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 15.66 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/10/2012 | 9172900 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 18.61 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/10/2012 | 9172898 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 19.24 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/10/2012 | 9172897 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 21.40 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/11/2012 | 9172892 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 20.87 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/11/2012 | 9172896 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 20.44 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/11/2012 | 9172895 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 20.22 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |

**TABLE 1**
**WASTE MANAGEMENT SUMMARY**
**BUILDING 15,17,18 21 DEMOLITION**
**SCCC KEARNY, NJ**

| Waste type | Date | Manifest Number | Waste Description | U.S DOT Description | # Containers | Type Containers | Quantity cu. yds. | Gal. | Quantity tons. | Transporter Name | EPA ID # Transporter | Disposer Name | EPA ID # Disposer | COD | Disposal method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Concrete/ brick/ masonry | 1/11/2012 | 9172894 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 20.64 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/12/2011 | 9172893 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 19.57 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/12/2011 | 9172890 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 19.62 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/13/2012 | 9172888 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 20.61 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/13/2012 | 9172887 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 19.52 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/13/2012 | 9172886 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 20.56 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/13/2012 | 9172889 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 20.62 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/13/2012 | 9172885 | Concrete Bldg 15,17,18 | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 20.73 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/17/2012 | 9172884 | Concrete Bldg 15,17,18 and Bldg 18 Control Panels, pumps, motors | Non Hazardous non regulated material(Concrete, Brick, Masonry) | 1 | CM | 15 | | 4.87 | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Process/Buried |
| | 1/18/2012 | 310574 | Concrete Bldg 21 | C&D Debris | 1 | CM | 15 | | 21.42 | Waste Management Inc. | NA | NJMC Keegan | NA | Letter from NJMC | Landfill |
| | 1/18/2012 | 310536 | Concrete Bldg 21 | C&D Debris | 1 | CM | 15 | | 21.40 | Waste Management Inc. | NA | NJMC Keegan | NA | Letter from NJMC | Landfill |
| | 1/18/2012 | 310491 | Concrete Bldg 21 | C&D Debris | 1 | CM | 15 | | 6.12 | Waste Management Inc. | NA | NJMC Keegan | NA | Letter from NJMC | Landfill |
| | 1/18/2012 | 310667 | Concrete Bldg 21 | C&D Debris | 1 | CM | 15 | | 19.61 | Waste Management Inc. | NA | NJMC Keegan | NA | Letter from NJMC | Landfill |
| Steel | 12/16/2011 | BOL 51 | Steel for Smelter | No.1 Heavy Melt | 1 | CM | | | 20.53 | KND Trucking | NA | Gerdau Ameristeel | NA | 12/16/2011 | Recycle into Mill Furnace |
| | 12/16/2011 | BOL 52 | Steel for Smelter | No.1 Heavy Melt | 1 | CM | | | 24.98 | KND Trucking | NA | Gerdau Ameristeel | NA | 12/16/2011 | Recycle into Mill Furnace |
| | 12/17/2011 | BOL 53 | Steel for Smelter | Prepared Plate & Structural | 1 | CM | | | 22.80 | KND Trucking | NA | Gerdau Ameristeel | NA | 12/17/2011 | Recycle into Mill Furnace |
| | 12/17/2011 | BOL 54 | Steel for Smelter | Prepared Plate & Structural | 1 | CM | | | 26.35 | KND Trucking | NA | Gerdau Ameristeel | NA | 12/17/2011 | Recycle into Mill Furnace |
| | 12/19/2011 | BOL 71 | Steel for Smelter | Prepared Plate & Structural | 1 | CM | | | 31.48 | KND Trucking | NA | Gerdau Ameristeel | NA | 12/19/2011 | Recycle into Mill Furnace |
| | 12/19/2011 | BOL 91 | Steel for Smelter | No.1 Heavy Melt | 1 | CM | | | 26.98 | KND Trucking | NA | Gerdau Ameristeel | NA | 12/19/2011 | Recycle into Mill Furnace |
| | 12/20/2011 | BOL 72 | Steel for Smelter | Prepared Plate & Structural | 1 | CM | | | 19.43 | KND Trucking | NA | Gerdau Ameristeel | NA | 12/20/2011 | Recycle into Mill Furnace |
| | 12/22/2011 | BOL 73 | Steel for Smelter | Prepared Plate & Structural | 1 | CM | | | 27.93 | KND Trucking | NA | Gerdau Ameristeel | NA | 12/22/2011 | Recycle into Mill Furnace |
| | 1/3/2012 | BOL 74 | Steel for Smelter | Prepared Plate & Structural | 1 | CM | | | 29.35 | KND Trucking | NA | Gerdau Ameristeel | NA | 1/3/2012 | Recycle into Mill Furnace |
| | 1/3/2012 | BOL 92 | Steel for Smelter | Prepared Plate & Structural | 1 | CM | | | 21.78 | KND Trucking | NA | Gerdau Ameristeel | NA | 1/3/2012 | Recycle into Mill Furnace |
| | 1/6/2012 | BOL 75 | Steel for Smelter | Prepared Plate & Structural | 1 | CM | | | 22.68 | KND Trucking | NA | Gerdau Ameristeel | NA | 1/6/2012 | Recycle into Mill Furnace |
| | 1/7/2012 | BOL 76 | Steel for Smelter | Prepared Plate & Structural | 1 | CM | | | 18.30 | KND Trucking | NA | Gerdau Ameristeel | NA | 1/7/2012 | Recycle into Mill Furnace |
| | 1/11/2012 | BOL 77 | Steel for Smelter | Prepared Plate & Structural | 1 | CM | | | 27.00 | KND Trucking | NA | Gerdau Ameristeel | NA | 1/11/2012 | Recycle into Mill Furnace |
| | 1/14/2012 | BOL 78 | Steel for Smelter | Prepared Plate & Structural | 1 | CM | | | 23.15 | KND Trucking | NA | Gerdau Ameristeel | NA | 1/14/2012 | Recycle into Mill Furnace |
| Other Wastes | 3/12/2012 | 001169916 & 00679503 | K085 Still Bottoms – residue and cake beneath plates from still & decon | RQ Waste Solids, Containing Flammable Liquids, n.o.s. (Dichlorobenzene)(Polychlorinated | 33 | DM | | | | Freehold Cartage inc, | NJD 054126164 | Veolia Incineration, Port Arthur, TX | NJD980536593 TXD000838896 | Pending | Incineration |
| | 3/14/2012 | 9667709 | Mercury (Solid & Liquid) | RQ NA 3077 Hazardous waste, solid,n.o.s. (Mercury),9,III | 1 | CF | 1 | | | Freehold Cartage inc, | NJD 054126164 | Chemtron-Mercury Waste Solution (recycle) & EQ MDI | | 3/14/2012 | Free mercury - recycled. Solids Microencapsulation and landfilled |
| | 3/13/2012 | 9667733 | IDW Soils Dioxin Investigation Debris – PCB>50 (Solid) | UN3432, Waste Polychlorinated biphenyls, solid, 9, II | 13 | DM | | | | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | 3/14/2012 | Process/Buried |
| | 3/13/2012 | 31312-02 (rejected) replaced by 009069083 | Tank rust/debris– west of Bldg 18 - (Solid) | Non-Haz non RCRA Materials | 3 | DM | | | | Freehold Cartage inc, | NJD 054126164 | Wayne Disposal | MID048090633 | Yes | Landfill |
| | 3/13/2012 | 31312-02 (rejected) replaced by 009069082 & 009069083 | Hoppers Debris from 15, 17 | Non-Haz non RCRA Materials | 2 | DM | | | | Freehold Cartage inc, | NJD 054126164 | Michigan Disposal Waste Treatment Plant | MID000724831 | Yes | Process/Buried |
| | | | Bldg 18 Column – Crystals/Flakes and Bdlg 18 Column/Receiving | Non-Haz non RCRA Materials | 7 | DM | | | | | | | | | |
| | | | Bldg 18 - Drum Liquids | Non-Haz non RCRA Materials | 2 | DM,DF | | | | | | Wayne Disposal | MID048090633 | | |
| | 3/12/2012 | NA | Tank/equipment rinse waters (Liquid) | NA | 4 | DM | | | | - | - | - | - | - | Treatment in HCTS |
| | 3/14/2012 | 9667709 | Switch Dielectric Fluids (Liquid) | Non Hazardous non RCRA material (Dielectric Fluids) | 1 | DM | | 30 | | Freehold Cartage inc, | NJD 054126164 | Chemtron | OH066060609 | 3/14/2012 | Fuel Blending |
| | 3/13/2012 | BOL 31312-01 | Lead flashing from Windows | Lead for recycling | 2 | CF | 2 | | 0.80 | Freehold Cartage inc, | NJD 054126164 | Chemtron>Victory White Metal Company, Cleveland, OH; ECS Refining Texas | NA | NA | Recycle into Mill Furnace |

KEY to Container Type: CM - metal roll-off container; CF - Gaylord carton; DM- Metal drum; DF - Fiberboard or plastic drum

# FIGURES




PENINSULA RESTORATION GROUP

| | | |
|---|---|---|
| DRWN: SCC | DATE: 02/01/10 | KEY ENVIRONMENTAL INCORPORATED |
| CHKD: JAB | DATE: 02/01/10 | |
| APPD: PWS | DATE: 02/01/10 | |
| SCALE: 1"= 2000' | | |

BUILDINGS 15, 17, 18 AND 21 DEMOLTION AND ACM REMOVAL
SCCC SITE
KEARNY, NEW JERSEY

REFERENCE: USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLES OF JERSEY CITY, AND WEEHAWKEN, NEW JERSEY

ISSUE DATE:

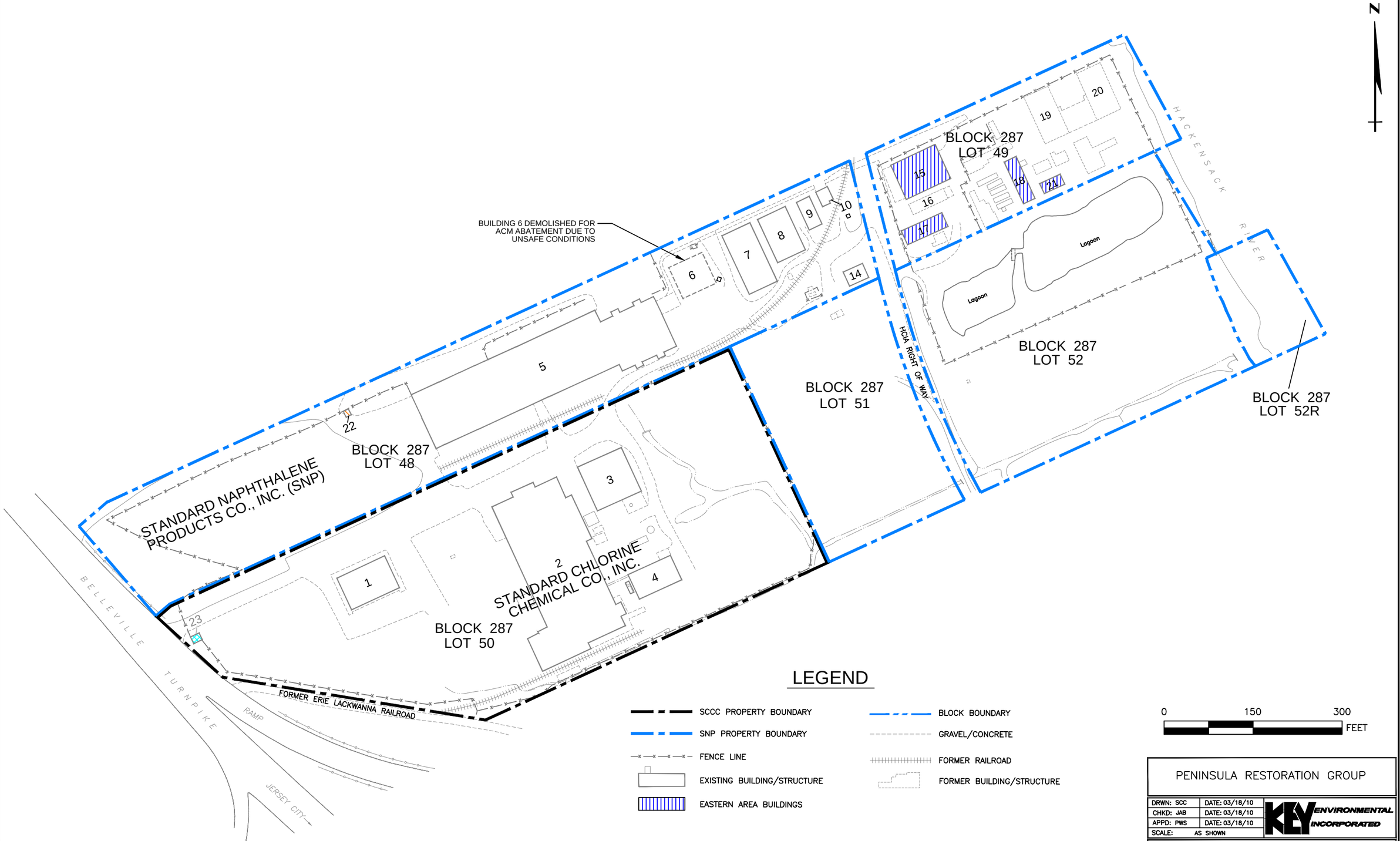
KEY ENVIRONMENTAL, INC.
200 THIRD AVENUE
CARNEGIE, PA 15106

SITE LOCATION MAP

PROJECT NO: 20100605

FIGURE 1

y:\00civil\kearny\ira design\production drawings\building demolition scoping\buildings 15, 17, 18 and 21\figure 1.dwg Last Saved By: Tdebogovich 3/9/2012 2:12 PM Plotted By: Travis Debogovich 3/9/2012 2:18 PM Scale: 1:1.016827




## LEGEND

- SCCC PROPERTY BOUNDARY
- SNP PROPERTY BOUNDARY
- FENCE LINE
- EXISTING BUILDING/STRUCTURE
- EASTERN AREA BUILDINGS
- BLOCK BOUNDARY
- GRAVEL/CONCRETE
- FORMER RAILROAD
- FORMER BUILDING/STRUCTURE

0 150 300 FEET

PENINSULA RESTORATION GROUP

| | | |
|---|---|---|
| DRWN: SCC | DATE: 03/18/10 | KEY ENVIRONMENTAL INCORPORATED |
| CHKD: JAB | DATE: 03/18/10 | |
| APPD: PWS | DATE: 03/18/10 | |
| SCALE: AS SHOWN | | |

BUILDINGS 15,17,18 AND 21 DEMOLITION AND ACM REMOVAL
SCCC SITE
KEARNY, NEW JERSEY

SITE LAYOUT AND BUILDING IDENTIFICATION

PROJECT NO: 09-803/804
FIGURE 2

| REV # | DATE | DESCRIPTION | APPD |
|---|---|---|---|
| 3 | | | |
| 2 | | | |
| 1 | | | |

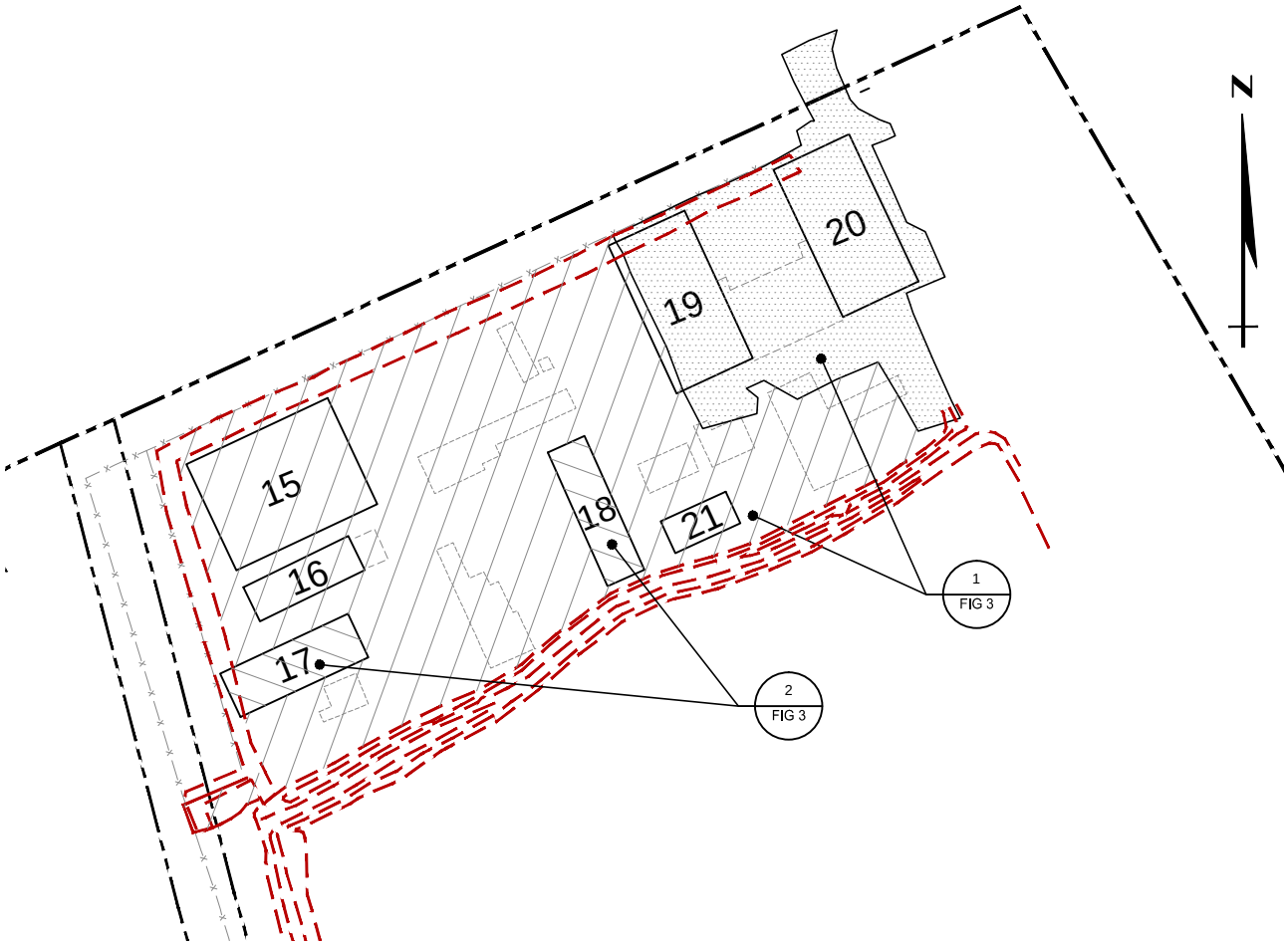
REFERENCE:

1. EXISTING GROUND SURFACE CONTOURS PER AIR SURVEY, DULLES, VIRGINIA, APRIL 14, 2001. HORIZONTAL REFERENCE: NEW JERSEY STATE PLANE COORDINATES (NAD 1927). VERTICAL REFERENCE:NATIONAL GEODETIC VERTICAL DATUM (NGVD 1929).
2. PROPERTY BOUNDARY SHOWN HEREON FROM SHEET 1 OF 1 TITLED "SURVEY OF PROPERTY, TAX LOTS 48, 49, 50, 51, 52 AND 52R, BLOCK 287, TOWN OF KEARNY, HUDSON COUNTY, NEW JERSEY," DATED JULY 1, 2009 (REVISION 2: JULY 29, 2009), PREPARED BY DYKSTRA ASSOCIATES, PC.

ISSUE DATE:

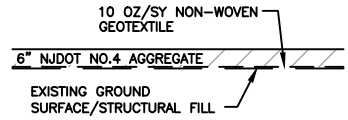
KEY ENVIRONMENTAL, INC.
200 THIRD AVENUE
CARNEGIE, PA 15106

y:\00civil\kearny\ira design\production drawings\building demolition scoping\buildings 15, 17, 18 and 21\figure 2 demolishion and acm removal.dwg Last Saved By: Tdebogovich 3/9/2012 2:13 PM Plotted By: Travis Debogovich 3/9/2012 2:16 PM Scale: 1:1




## LEGEND

- PROPERTY BOUNDARY
- FENCE LINE
- EXISTING BUILDING FLOOR SLAB (SEE NOTE 1 AND REF 1)
- FORMER BUILDING/STRUCTURE
- EXISTING CONCRETE PADS
- DIVERSION/CONTAINMENT BERM (REF 1)
- TRACK 1/OTHER LIMITS OF CAPILLARY BREAK INSTALLED BY OTHERS (REF 1)
- EXTENT OF CAPILLARY BREAK IN SOUTHWEST CORNER (SEE REF 3)
- TRACK 2 LIMITS OF CAPILLARY BREAK (SEE NOTE 2)
- LIMITS OF ASPHALT COVER (SEE NOTE 3)




1 / FIG 3 — CAPILLARY BREAK DETAIL
N.T.S.

2 / FIG 3 — ASPHALT COVER DETAIL
N.T.S.

0 50 100 200 FEET

NOTES:
1. ABOVE GROUND BUILDING STRUCTURES INCLUDING 16, 19 AND 20 AND 15, 17, 18 AND 21 WERE DEMOLISHED AS PART OF THE NJDEP APPROVED TRACK1 DRAWP AND TRACK 2 DRAWP RESPECTIVELY.
2. TRACK 2 LIMITS OF CAPILLARY BREAK WERE DEVELOPED UTILIZING SURVEY DATA FROM SITE FEATURES RECENTLY INSTALLED AS PART OF THE IRAW ACTIVITIES. CAPILLARY BREAK LAYER WAS INSTALLED ABOVE THE EXISTING GROUND SURFACE/STRUCTURAL FILL/BERM/BUILDING PADS.
3. THE FLOOR SLAB OF BUILDINGS 17 AND 18 RECEIVED AN INTERIM SURFACE COVER CONSTRUCTED OF 4 INCHES OF ASPHALT PAVEMENT.
4. LIMITS AND DETAILS OF THE NON-DEMOLITION FEATURES SHOWN IN THE FIGURE WERE PROVIDED IN AN INTERIM RESPONSE ACTION REPORT DATED DECEMBER 2011.

REFERENCE:
1. LIMITS OF CONTAINMENT/DIVERSION BERMS AND TRACK 1 CAPILLARY BREAK OBTAINED FROM AS-BUILT SURVEY DRAWING SHEET 1 OF 4 DATED 12/07/2010 LAST REVISED 12/15/2011 BY LANDMARKER GEOSPATIAL, LLC.
2. LIMITS OF EXISTING BUILDING SLABS AND FENCE LINE OBTAINED FROM SURVEY OF PROPERTY SHEET 1 OF 1 DATED 07/01/2009 LAST REVISED 07/29/2009 BY DYKSTRA ASSOCIATES.
3. EXTENT OF CAPILLARY BREAK IN THE SOUTHWEST CORNER OF THE TRACK 2 AREA BASED ON DATA RECORDED ON 03/23/2012 BY KEY ENVIRONMENTAL, INC. USING TRIMBLE GPS SERIES GEOXH 2005.

ISSUE DATE:

KEY ENVIRONMENTAL, INC.
200 THIRD AVENUE
CARNEGIE, PA 15106

PENINSULA RESTORATION GROUP

| | |
|---|---|
| DRWN: SCC | DATE: 03/19/12 |
| CHKD: VMV | DATE: 03/19/12 |
| APPD: AEB | DATE: 03/19/12 |
| SCALE: AS SHOWN | |

KEY ENVIRONMENTAL INCORPORATED

TRACK 2 BUILDING DEMOLITION REMEDIAL ACTION REPORT
STANDARD CHLORINE CHEMICAL CO. INC. SITE
KEARNY, NEW JERSEY

CAPILLARY BREAK AND ASPHALT LIMITS

PROJECT NO: 20100605
FIGURE 3

y:\00civil\kearny\ira design\production drawings\building demolition scoping\track 2\figure 3 capillary break and asphalt limits.dwg Last Saved By: Scomer 3/30/2012 10:09 AM Plotted By: Shelly Comer 3/30/2012 10:10 AM Scale: 1:1.0167

# State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOLID & HAZARDOUS WASTE MANAGEMENT PROGRAM
BUREAU OF LANDFILL AND HAZARDOUS WASTE PERMITTING
P.O. BOX 414 401 EAST STATE STREET
TRENTON, NEW JERSEY 08625-0414
Telephone: (609) 984-5950 Telecopier: (609) 633-9839
http://www.state.nj.us/dep/dshw

CHRIS CHRISTIE
*Governor*

KIM GUADAGNO
*Lt. Governor*

BOB MARTIN
*Acting Commissioner*

Mr. James S. Zubrow, President
Key Environmental, Inc.
200 Third Avenue
Carnegie, Pennsylvania 15106

JUN 18 2010

Re: Site Specific Sampling Plan and Analysis Plan
Buildings 15, 17, 18 and 21, Standard Chlorine Chemical Co., Inc. (SCCC) Site,
Kearny, New Jersey; Facility ID No.: 467525, NSW100002

Dear Mr. Zubrow:

This correspondence is in response to your submittal dated April 19, 2010 for the review of the site specific sampling and analysis plan at the SCCC site.

Please be advised that the proposed sampling and analysis plan (the plan) prior to the demolition of Buildings 15, 17, 18 and 21 was reviewed and considered acceptable within the scope of the Bureau's guideline on waste pile sampling, Appendix I, "Procedures for Obtaining Representative Samples in Support of Waste Classification Request" of the "Waste Classification Request Form & Instructions"

However, approval of the plan is contingent upon receipt by this office a revised plan that includes the following modifications:

1. Wastes that are biased sampled shall be composited and managed separately from the randomly sampled wastes in each category.
2. Listed wastes that are not submitted for future waste classification request shall be deleted from the plan.
3. The plan shall include an intended destination of disposal or other management options for each category of wastes.
4. The creosote treated woods to be submitted for waste classification shall be managed and sampled separately from the rest of the wood debris.

If you have any further questions regarding the classification of the above waste, please contact Dr. Shih Chang of this Bureau at 609-984-6985 or by email at Shih.Chang@dep.state.nj.us.

Sincerely,

Robert M. Confer, Chief
Bureau of Landfill and Hazardous Waste Permitting

SC/sc
HC10-7692 Sampling Plan Bldg 15 17 18 21 Key SCCC.doc
c: Zafar Billah, Section Chief, BL&HWP
Chris Kanakis, Case Manager
V:\er\Shw\DATA\BL&HWP WORD\Haz. Waste\2010\HC10-7692 Sampling Plan Bldg 15 17 18 21 Key SCCC.doc

State of New Jersey

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BOB MARTIN
Commissioner

Division of Responsible Party Site Remediation
Office of Brownfield Reuse
Mail Code 401-06
P.O. Box 420
Trenton, NJ 08625-0402

APR 14 2011

Margaret W. Kelly, Esquire.
Standard Chlorine Chemical Co., Inc.
c/o Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106
Attn. Jim Zubrow

**Remedial Action Work Plan Approval**

Re: August 13, 2010 Demolition Remedial Action Work Plan (DRAWP)
DRAWP Buildings 15, 17, 18 and 21
Standard Chlorine Chemical Company, Inc.
1015 To 1035 Belleville Turnpike
Kearny Town, NJ 07032
SRP PI# G000001583
EA ID #: SUB100013

Dear Ms. Kelly:

The New Jersey Department of Environmental Protection (Department) has completed its review of the August 13, 2010 "DRAWP for Buildings 15, 17, 18 and 21" received on September 1, 2010. The NJDEP, in consultation with the United States Environmental Protection Agency (USEPA), has determined that the DRAWP is in compliance with the Technical Requirements for Site Remediation, N.J.A.C. 7:26E and other applicable requirements. The Department hereby approves the DRAWP, effective the date of this letter.

Pursuant to the schedule applicable to the site you shall submit a Remedial Action Report (RAR) on November 15, 2011. Please submit the document by that date, or submit a written request for an extension at least 2 weeks prior to the due date. Failure to submit the RAR in accordance with the schedule may result in the initiation of enforcement. For your convenience, the regulations concerning the Department's remediation requirements can be found at http://www.state.nj.us/dep/srp/regs/ .

Thank you for your cooperation in this matter. If you have any questions, please call me at (609) 633-1460.

Sincerely,

Christopher Kanakis, Sr. Project Manager
Office of Brownfield Reuse

C: Alison Hess, USEPA

Kim Staiger, USEPA

Enrique Castro, Tierra Solutions

Mitch Brourman, Beazer

Steve Byrnes, BEERA

David VanEck, BGWPA

Joe Karpa, BCM

**From:** Jim Zubrow
**To:** Teresa Royek; Vamsee Veera; Al Briggs; Nathan Scott
**Subject:** FW: Standard Chlorine IRAW - RAR for Bldgs 15,17,18 and 21
**Date:** Tuesday, November 15, 2011 11:54:49 AM

---

fyi

James Zubrow, P.G.
Principal Hydrogeologist
Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106
Office (412) 279-3363
Direct (412) 428-9387
Cell (412) 527-2356

-----Original Message-----
From: Chris Kanakis [mailto:Chris.Kanakis@dep.state.nj.us]
Sent: Tuesday, November 15, 2011 11:49 AM
To: Jim Zubrow
Cc: Joe Karpa; Timothy Bartle; Hess.Alison@epamail.epa.gov; Mitch.Brourman@hanson.biz; ecastro@tierra-inc.com
Subject: Standard Chlorine IRAW - RAR for Bldgs 15,17,18 and 21

The NJDEP is in reciept of your October 28, 2011 letter requesting an extension for the submission of the Remedial Action Report (RAR) for the above demolition/remediation activities. According to the approved Workplan (4/14/2011), the RAR was to be submitted by November 15, 2011. The activities were delayed due to confilicts with other IRAW activities. The schedule proposed within your November 28th letter would require that the RAR be submitted by March 31, 2011. I have discussed this matter with NJDEP management, and we have no objections to the new submission date. I will prepare a formal letter documenting this email. Questions, please call me.

State of New Jersey

CHRIS CHRISTIE
*Governor*

KIM GUADAGNO
*Lt. Governor*

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ROBERT M. CONFER, BUREAU CHIEF
BUREAU OF LANDFILL AND HAZARDOUS WASTE PERMITTING
SOLID AND HAZARDOUS WASTE MANAGEMENT PROGRAM
CLIMATE AND ENVIRONMENTAL MANAGEMENT
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
P.O. BOX 420 401 EAST STATE STREET
TRENTON, NJ 08625-0420
TELEPHONE: (609) 984-6985 TELECOPIER: (609) 633-9839
http://www.state.nj.us/dep/dshw/permitting.htm

BOB MARTIN
*Commissioner*

JUN 06 2011

Teresa Royek, Program Manager
Key Environmental, Inc.
200 Third Avenue
Carnegie, Pennsylvania 15106

Re: Waste Classification Request – Asbestos Containing Materials (ACM) /Roofing Materials/Floor Drain Debris at Buildings 15, 17, 18 and 21, Block 287, Lot 49, Standard Chlorine Chemical Co., Inc.(SCCC) Site, Kearny, New Jersey
Facility ID No.: 467525; CLA110012

Dear Ms. Royek:

This correspondence is in response to your submittal of January 28, 2011 for the classification of approximately 191 cubic yards of ACM and debris from in-place buildings 15, 17, 18 and 21 of SCCC site.

Please be advised that waste that conforms with the description provided in the above noted letter is classified as ID **27A** Waste material consisting of asbestos or asbestos containing waste pursuant to the rules of the New Jersey Solid and Hazardous Waste Management Program. Since the waste contains friable asbestos it must be managed in accordance with the Department's regulations on asbestos at N.J.A.C. 7:26-1 et seq. pertaining to the generator and transporter requirements for the management, transportation and disposal of ACM.

This letter constitutes merely an advisory opinion on the applicability of current New Jersey waste classification standards to a specific representative sample of a waste stream and expresses no opinion regarding any particular waste shipment to the extent that the characteristics and content differ from the representative sample of the waste stream. Because the Department has not examined, inspected, or analyzed the wastes you propose to dispose of, this response does not constitute any representation as to the actual chemical composition of said material.

Please note that dioxin containing waste must comply with 40 CFR 268.40 for land applications.

If you have any further questions regarding the classification of the above waste, please contact Dr. Shih Chang of this Bureau at 609-984-6985 or by email at Shih.Chang@dep.state.nj.us.

Sincerely,

Robert M. Confer, Chief
Bureau of Landfill and Hazardous Waste Permitting

SC/sc
HC11- 16563 Bldg asbestos containing materials.doc
c: Debbie Pinto, Bureau of Compliance and Enforcement
Zafar Billah, Section Chief, BL&HWP
James S. Zubrow, Program Manager, Key Environmental, Inc., 200 Third Avenue
Carnegie, Pennsylvania 15106
Chris Kanakis, Case Manager
V:\er\Shw\DATA\BL&HWP WORD\Haz. Waste\2010\ HC11- 16563 Bldg asbestos containing materials.doc



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BUREAU OF LANDFILL AND HAZARDOUS WASTE PERMITTING
SOLID AND HAZARDOUS WASTE MANAGEMENT PROGRAM
CLIMATE AND ENVIRONMENTAL MANAGEMENT
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
P.O. BOX 420 401 EAST STATE STREET
TRENTON, NJ 08625-0420
TELEPHONE: (609) 984-6985 TELECOPIER: (609) 633-9839
http://www.state.nj.us/dep/dshw/permitting.htm

CHRIS CHRISTIE
*Governor*

KIM GUADAGNO
*Lt. Governor*

BOB MARTIN
*Commissioner*

06 2011

Teresa Royek, Program Manager
Key Environmental, Inc.
200 Third Avenue
Carnegie, Pennsylvania 15106

Re: Waste Classification Request – Concrete/Brick/Masonry at Buildings 15, 17, 18 and 21
Standard Chlorine Chemical Co., Inc.(SCCC) Site, Kearny, New Jersey
Facility ID No.: 467525; CLA110008

Dear Ms. Royek:

This correspondence is in response to your submittal of December 14, 2010 for the classification of approximately 361 cubic yards of concrete materials including demolition debris consisting of concrete, bricks and masonry at the above site.

Please be advised that waste that conforms with the description provided in the above noted letter is classified as ID 27 Dry Industrial solid waste pursuant to the rules of the of New Jersey Solid and Hazardous Waste Management Program.

This letter constitutes merely an advisory opinion on the applicability of current New Jersey waste classification standards to a specific representative sample of a waste stream and expresses no opinion regarding any particular waste shipment to the extent that the characteristics and content differ from the representative sample of the waste stream. Because the Department has not examined, inspected, or analyzed the wastes you propose to dispose of, this response does not constitute any representation as to the actual chemical composition of said material.

Please note that the management of any waste material containing PCB's shall be compliant with federal requirements included under the Toxic Substance Control Act (TSCA) at 40 CFR 700 *et seq.* Further, this authorization does not imply any approval that may be stipulated in accordance with the TSCA requirements. Finally, more detailed information concerning the management of PCB containing materials, as required under TSCA, is available at U.S. Environmental Protection Agency (US EPA), Region II; please contact James Haklar, Ph.D., at 732-906-6817 (or by email at Haklar.James@epamail.epa.gov ) for assistance in this area.

Please note that dioxin containing waste must comply with 40 CFR 268.40 for land applications.

If you have any further questions regarding the classification of the above waste, please contact Dr. Shih Chang of this Bureau at 609-984-6985 or by email at Shih.Chang@dep.state.nj.us.

Sincerely,

Robert M. Confer, Chief
Bureau of Landfill and Hazardous Waste Permitting

SC/sc
HC10-8647 SCCC Concrete Materials.doc
c: Debbie Pinto, Bureau of Compliance and Enforcement
Zafar Billah, Section Chief, BL&HWP
James S. Zubrow, Program Manager, Key Environmental, Inc., 200 Third Avenue
Carnegie, Pennsylvania 15106
Chris Kanakis, Case Manager
V:\er\Shw\DATA\BL&HWP WORD\Haz. Waste\2010\ HC10-8647 SCCC Concrete Materials.doc



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BUREAU OF LANDFILL AND HAZARDOUS WASTE PERMITTING
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TRENTON, NJ 08625-0420
TELEPHONE: (609) 984-6985 TELECOPIER: (609) 633-9839
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CHRIS CHRISTIE
*Governor*

KIM GUADAGNO
*Lt. Governor*

BOB MARTIN
*Commissioner*

JUN 06 2011

Teresa Royek, Program Manager
Key Environmental, Inc.
200 Third Avenue
Carnegie, Pennsylvania 15106

Re: Waste Classification Request – Glass/Debris at Buildings 15,17 & 21, Standard Chlorine Chemical Co., Inc.(SCCC) Site, Kearny, New Jersey
Facility ID No.: 467525, CLA110007

Dear Ms. Royek:

This correspondence is in response to your submittal December 14, 2010 for the classification of approximately 26 cubic yards of glass/debris at the above site.

Please be advised that waste that conforms with the description provided in the above noted letter is classified as ID 27 Dry Industrial solid waste pursuant to the rules of the of New Jersey Solid and Hazardous Waste Management Program.

This letter constitutes merely an advisory opinion on the applicability of current New Jersey waste classification standards to a specific representative sample of a waste stream and expresses no opinion regarding any particular waste shipment to the extent that the characteristics and content differ from the representative sample of the waste stream. Because the Department has not examined, inspected, or analyzed the wastes you propose to dispose of, this response does not constitute any representation as to the actual chemical composition of said material.

Please note that dioxin containing waste must comply with 40 CFR 268.40 for land applications.

If you have any further questions regarding the classification of the above waste, please contact Dr. Shih Chang of this Bureau at 609-984-6985 or by email at Shih.Chang@dep.state.nj.us.

Sincerely,

Robert M. Confer, Chief
Bureau of Landfill and Hazardous Waste Permitting

SC/sc
HC10-8646 Glass_Debris Bldg 15,17 &21.doc
c: Debbie Pinto, Bureau of Compliance and Enforcement
Zafar Billah, Section Chief, BL&HWP
James S. Zubrow, Program Manager, Key Environmental, Inc., 200 Third Avenue
Carnegie, Pennsylvania 15106
Chris Kanakis, Case Manager
V:\er\Shw\DATA\BL&HWP WORD\Haz. Waste\2010\ HC10-8646 Glass_Debris Bldg 15,17 &21.doc



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P.O. BOX 420 401 EAST STATE STREET
TRENTON, NJ 08625-0420
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*Lt. Governor*

BOB MARTIN
*Commissioner*

06 2011

Teresa Royek, Program Manager
Key Environmental, Inc.
200 Third Avenue
Carnegie, Pennsylvania 15106

Re: Waste Classification Request – Wood Materials at Buildings 15 and 21, Block 287, Lot 49, Standard Chlorine Chemical Co., Inc.(SCCC) Site, Kearny, New Jersey
Facility ID No.: 467525; CLA110011

Dear Ms. Royek:

This correspondence is in response to your submittal of January 31, 2011 for the classification of approximately 37cubic yards of wood materials at the above site.

Please be advised that waste that conforms with the description provided in the above noted letter is classified as ID 27 Dry Industrial solid waste pursuant to the rules of the of New Jersey Solid and Hazardous Waste Management Program.

This letter constitutes merely an advisory opinion on the applicability of current New Jersey waste classification standards to a specific representative sample of a waste stream and expresses no opinion regarding any particular waste shipment to the extent that the characteristics and content differ from the representative sample of the waste stream. Because the Department has not examined, inspected, or analyzed the wastes you propose to dispose of, this response does not constitute any representation as to the actual chemical composition of said material.

Please note that dioxin containing waste must comply with 40 CFR 268.40 for land applications.

If you have any further questions regarding the classification of the above waste, please contact Dr. Shih Chang of this Bureau at 609-984-6985 or by email at Shih.Chang@dep.state.nj.us.

Sincerely,

Robert M. Confer, Chief
Bureau of Landfill and Hazardous Waste Permitting

SC/sc
HC11- 16562 Bldg 15, 21 Wood materials.doc
c: Debbie Pinto, Bureau of Compliance and Enforcement
Zafar Billah, Section Chief, BL&HWP
James S. Zubrow, Program Manager, Key Environmental, Inc., 200 Third Avenue
Carnegie, Pennsylvania 15106
Chris Kanakis, Case Manager
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*Lt. Governor*

BOB MARTIN
*Commissioner*

JUN 06 2011

Teresa Royek, Program Manager
Key Environmental, Inc.
200 Third Avenue
Carnegie, Pennsylvania 15106

Re: Waste Classification Request – Sump Liquids at Building 17, Block 287, Lot 49
Standard Chlorine Chemical Co., Inc.(SCCC) Site, Kearny, New Jersey
Facility ID No.: 467525, CLA110005

Dear Ms. Royek:

This correspondence is in response to your submittal of December 14, 2010 for the classification of approximately 15 cubic yards of liquid materials in the sumps at the above site.

Please be advised that waste that conforms with the description provided in the above noted letter is classified as bulk liquid (I.D. #72) pursuant to the rules of the of New Jersey Solid and Hazardous Waste Management Program. Wastes conforming with the characteristics of the representative samples must be disposed of at facilities authorized to accept bulk liquid (I.D. #72).

This letter constitutes merely an advisory opinion on the applicability of current New Jersey waste classification standards to a specific representative sample of a waste stream and expresses no opinion regarding any particular waste shipment to the extent that the characteristics and content differ from the representative sample of the waste stream. Because the Department has not examined, inspected, or analyzed the wastes you propose to dispose of, this response does not constitute any representation as to the actual chemical composition of said material.

If you have any further questions regarding the classification of the above waste, please contact Dr. Shih Chang of this Bureau at 609-984-6985 or by email at Shih.Chang@dep.state.nj.us.

Sincerely,

Robert M. Confer, Chief
Bureau of Landfill and Hazardous Waste Permitting

SC/sc
HC10-8644 Bldg 17 Sump Liquids.doc
c: Debbie Pinto, Bureau of Compliance and Enforcement
Zafar Billah, Section Chief, BL&HWP
James S. Zubrow, Program Manager, Key Environmental, Inc., 200 Third Avenue
Carnegie, Pennsylvania 15106
Chris Kanakis, Case Manager
V:\er\Shw\DATA\BL&HWP WORD\Haz. Waste\2010\ HC10-8644 Bldg 17 Sump Liquids.doc



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*Lt. Governor*

BOB MARTIN
*Commissioner*

JUN 06 2011

Teresa Royek, Program Manager
Key Environmental, Inc.
200 Third Avenue
Carnegie, Pennsylvania 15106

Re: Waste Classification Request – Sump Solids at Building 17, Block 287, Lot 49
Standard Chlorine Chemical Co., Inc.(SCCC) Site, Kearny, New Jersey
Facility ID No.: 467525; CLA110006

Dear Ms. Royek:

This correspondence is in response to your submittal of December 14, 2010 for the classification of approximately 5 cubic yards of sump solids at the above site.

Please be advised that waste that conforms with the description provided in the above noted letter is classified as ID 27 Dry Industrial solid waste pursuant to the rules of the of New Jersey Solid and Hazardous Waste Management Program.

This letter constitutes merely an advisory opinion on the applicability of current New Jersey waste classification standards to a specific representative sample of a waste stream and expresses no opinion regarding any particular waste shipment to the extent that the characteristics and content differ from the representative sample of the waste stream. Because the Department has not examined, inspected, or analyzed the wastes you propose to dispose of, this response does not constitute any representation as to the actual chemical composition of said material.

Please note that the management of any waste material containing PCB's shall be compliant with federal requirements included under the Toxic Substance Control Act (TSCA) at 40 CFR 700 *et seq.* Further, this authorization does not imply any approval that may be stipulated in accordance with the TSCA requirements. Finally, more detailed information concerning the management of PCB containing materials, as required under TSCA, is available at U.S. Environmental Protection Agency (US EPA), Region II; please contact James Haklar, Ph.D., at 732-906-6817 (or by email at Haklar.James@epamail.epa.gov ) for assistance in this area.

Please note that dioxin containing waste must comply with 40 CFR 268.40 for land applications.

If you have any further questions regarding the classification of the above waste, please contact Dr. Shih Chang of this Bureau at 609-984-6985 or by email at Shih.Chang@dep.state.nj.us.

Sincerely,

Robert M. Confer, Chief
Bureau of Landfill and Hazardous Waste Permitting

SC/sc
HC10-8645 Bldg 17 Sump Soilds.doc
c: Debbie Pinto, Bureau of Compliance and Enforcement
Zafar Billah, Section Chief, BL&HWP
James S. Zubrow, Program Manager, Key Environmental, Inc., 200 Third Avenue
Carnegie, Pennsylvania 15106
Chris Kanakis, Case Manager
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BOB MARTIN
*Commissioner*

JUN 06 2011

Teresa Royek, Program Manager
Key Environmental, Inc.
200 Third Avenue
Carnegie, Pennsylvania 15106

Re: Waste Classification Request – Wood Materials at Buildings 17 and 18, Block 287, Lot 49, Standard Chlorine Chemical Co., Inc.(SCCC) Site, Kearny, New Jersey
Facility ID No.: 467525; CLA110009

Dear Ms. Royek:

This correspondence is in response to your submittal of December 14, 2010 for the classification of approximately 6 cubic yards of wood materials at the above site.

Please be advised that waste that conforms with the description provided in the above noted letter is classified as ID 27 Dry Industrial solid waste pursuant to the rules of the of New Jersey Solid and Hazardous Waste Management Program.

This letter constitutes merely an advisory opinion on the applicability of current New Jersey waste classification standards to a specific representative sample of a waste stream and expresses no opinion regarding any particular waste shipment to the extent that the characteristics and content differ from the representative sample of the waste stream. Because the Department has not examined, inspected, or analyzed the wastes you propose to dispose of, this response does not constitute any representation as to the actual chemical composition of said material.

Please note that dioxin containing waste must comply with 40 CFR 268.40 for land applications.

If you have any further questions regarding the classification of the above waste, please contact Dr. Shih Chang of this Bureau at 609-984-6985 or by email at Shih.Chang@dep.state.nj.us.

Sincerely,

Robert M. Confer, Chief
Bureau of Landfill and Hazardous Waste Permitting

SC/sc
HC10- 8648 SCCC Bldg 17, 18 Wood materials.doc
c: Debbie Pinto, Bureau of Compliance and Enforcement
Zafar Billah, Section Chief, BL&HWP
James S. Zubrow, Program Manager, Key Environmental, Inc., 200 Third Avenue
Carnegie, Pennsylvania 15106
Chris Kanakis, Case Manager
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BOB MARTIN
*Commissioner*

JUN 06 2011

Teresa Royek, Program Manager
Key Environmental, Inc.
200 Third Avenue
Carnegie, Pennsylvania 15106

Re: Waste Classification Request – Drum Solids at Building 18, Block 287 Lot 49
Standard Chlorine Chemical Co., Inc.(SCCC) Site, Kearny, New Jersey
Facility ID No.: 467525; CLA110002

Dear Ms. Royek:

This correspondence is in response to your submittal of December 14, 2010 for the classification of approximately 4 cubic yards of drum solids generated from historic dioxin investigation at the above site.

Please be advised that waste that conforms with the description provided in the above noted letter is classified as ID 27 Dry Industrial solid waste pursuant to the rules of the of New Jersey Solid and Hazardous Waste Management Program.

This letter constitutes merely an advisory opinion on the applicability of current New Jersey waste classification standards to a specific representative sample of a waste stream and expresses no opinion regarding any particular waste shipment to the extent that the characteristics and content differ from the representative sample of the waste stream. Because the Department has not examined, inspected, or analyzed the wastes you propose to dispose of, this response does not constitute any representation as to the actual chemical composition of said material.

Please note that the management of any waste material containing PCB's shall be compliant with federal requirements included under the Toxic Substance Control Act (TSCA) at 40 CFR 700 *et seq.* Further, this authorization does not imply any approval that may be stipulated in accordance with the TSCA requirements. Finally, more detailed information concerning the management of PCB containing materials, as required under TSCA, is available at U.S. Environmental Protection Agency (US EPA), Region II; please contact James Haklar, Ph.D., at 732-906-6817 (or by email at Haklar.James@epamail.epa.gov ) for assistance in this area.

Please note that dioxin containing waste must comply with 40 CFR 268.40 for land applications.

If you have any further questions regarding the classification of the above waste, please contact Dr. Shih Chang of this Bureau at 609-984-6985 or by email at Shih.Chang@dep.state.nj.us.

Sincerely,

Robert M. Confer, Chief
Bureau of Landfill and Hazardous Waste Permitting

SC/sc
HC10-8641 Bldg 18 Drum Soilds.doc
c: Debbie Pinto, Bureau of Compliance and Enforcement
Zafar Billah, Section Chief, BL&HWP
James S. Zubrow, Program Manager, Key Environmental, Inc., 200 Third Avenue
Carnegie, Pennsylvania 15106
Chris Kanakis, Case Manager
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CHRIS CHRISTIE
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KIM GUADAGNO
*Lt. Governor*

BOB MARTIN
*Commissioner*

JUN 06 2011

Teresa Royek, Program Manager
Key Environmental, Inc.
200 Third Avenue
Carnegie, Pennsylvania 15106

Re: Waste Classification Request – Process Equipment/Pipe Contents at Building 18, Block 287, Lot 49, Standard Chlorine Chemical Co., Inc.(SCCC) Site, Kearny, New Jersey
Facility ID No.: 467525; CLA110003

Dear Ms. Royek:

This correspondence is in response to your submittal of December 14, 2010 for the classification of approximately 155 cubic yards of powder solids from equipment/pipes at the above site.

Please be advised that waste that conforms with the description provided in the above noted letter is classified as ID 27 Dry Industrial solid waste pursuant to the rules of the of New Jersey Solid and Hazardous Waste Management Program.

This letter constitutes merely an advisory opinion on the applicability of current New Jersey waste classification standards to a specific representative sample of a waste stream and expresses no opinion regarding any particular waste shipment to the extent that the characteristics and content differ from the representative sample of the waste stream. Because the Department has not examined, inspected, or analyzed the wastes you propose to dispose of, this response does not constitute any representation as to the actual chemical composition of said material.

Please note that the management of any waste material containing PCB's shall be compliant with federal requirements included under the Toxic Substance Control Act (TSCA) at 40 CFR 700 *et seq.* Further, this authorization does not imply any approval that may be stipulated in accordance with the TSCA requirements. Finally, more detailed information concerning the management of PCB containing materials, as required under TSCA, is available at U.S. Environmental Protection Agency (US EPA), Region II; please contact James Haklar, Ph.D., at 732-906-6817 (or by email at Haklar.James@epamail.epa.gov ) for assistance in this area.

Please note that dioxin containing waste must comply with 40 CFR 268.40 for land applications.

If you have any further questions regarding the classification of the above waste, please contact Dr. Shih Chang of this Bureau at 609-984-6985 or by email at Shih.Chang@dep.state.nj.us.

Sincerely,

Robert M. Confer, Chief
Bureau of Landfill and Hazardous Waste Permitting

SC/sc
HC10-8642 Bldg 18 Equipment Pipe Contents.doc
c: Debbie Pinto, Bureau of Compliance and Enforcement
Zafar Billah, Section Chief, BL&HWP
James S. Zubrow, Program Manager, Key Environmental, Inc., 200 Third Avenue
Carnegie, Pennsylvania 15106
Chris Kanakis, Case Manager
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CHRIS CHRISTIE
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*Lt. Governor*

BOB MARTIN
*Commissioner*

MAR 31 2011

Mr. James S. Zubrow, Program Manager
Key Environmental, Inc.
200 Third Avenue
Carnegie, Pennsylvania 15106

Re: Waste Classification Request – Drum Liquid at Building 18
Standard Chlorine Chemical Co., Inc.(SCCC) Site, Kearny, New Jersey
Facility ID No.: 467525, CLA110001

Dear Mr. Zubrow:

This correspondence is in response to your submittal of December 14, 2010 for the classification of approximately 2 cubic yards of drum liquids at the above site.

Please be advised that waste that conforms with the description provided in the above noted letter is classified as bulk liquid (I.D. #72) pursuant to the rules of the of New Jersey Solid and Hazardous Waste Management Program. Wastes conforming with the characteristics of the representative samples must be disposed of at facilities authorized to accept bulk liquid (I.D. #72).

This letter constitutes merely an advisory opinion on the applicability of current New Jersey waste classification standards to a specific representative sample of a waste stream and expresses no opinion regarding any particular waste shipment to the extent that the characteristics and content differ from the representative sample of the waste stream. Because the Department has not examined, inspected, or analyzed the wastes you propose to dispose of, this response does not constitute any representation as to the actual chemical composition of said material.

If you have any further questions regarding the classification of the above waste, please contact Dr. Shih Chang of this Bureau at 609-984-6985 or by email at Shih.Chang@dep.state.nj.us.

Sincerely,

Robert M. Confer, Chief
Bureau of Landfill and Hazardous Waste Permitting

SC/sc
HC10-8640 bd18 Drum Liquid
c: Debbie Pinto, BSWCE
Zafar Billah, Section Chief, BL&HWP
Chris Kanakis, Case Manager, Site Remediation
Margret Kelly, SCCC, 1035 Belleville Turnpike, Kearney, New Jersey 07032
V:\er\Shw\DATA\BL&HWP WORD\Haz. Waste\2010\HC10-8640 bd18 Drum Liquid



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BOB MARTIN
*Commissioner*

MAR 3 1 2011

Mr. James S. Zubrow, Program Manager
Key Environmental, Inc.
200 Third Avenue
Carnegie, Pennsylvania 15106

Re: Waste Classification Request – Glass/Debris at Buildings 18, Standard Chlorine Chemical Co., Inc.(SCCC) Site, Kearny, New Jersey
Facility ID No.: 467525, CLA100010

Dear Mr. Zubrow:

This correspondence is in response to your submittal December 14, 2010 for the classification of approximately 10 cubic yards of glass/debris at the above site.

Please be advised that waste that conforms with the description provided in the above noted letter is classified as ID 27 Dry Industrial solid waste pursuant to the rules of the of New Jersey Solid and Hazardous Waste Management Program.

This letter constitutes merely an advisory opinion on the applicability of current New Jersey waste classification standards to a specific representative sample of a waste stream and expresses no opinion regarding any particular waste shipment to the extent that the characteristics and content differ from the representative sample of the waste stream. Because the Department has not examined, inspected, or analyzed the wastes you propose to dispose of, this response does not constitute any representation as to the actual chemical composition of said material.

If you have any further questions regarding the classification of the above waste, please contact Dr. Shih Chang of this Bureau at 609-984-6985 or by email at Shih.Chang@dep.state.nj.us.

Sincerely,

Robert M. Confer, Chief
Bureau of Landfill and Hazardous Waste Permitting

SC/sc
HC10-8649 Glass_Debris Bldg 18.doc
c: Rai Belonzi
Zafar Billah, Section Chief, BL&HWP
Chris Kanakis, Case Manager
V:\er\Shw\DATA\BL&HWP WORD\Haz. Waste\2010\ HC10-8649 Glass_Debris Bldg 18.doc



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CHRIS CHRISTIE
*Governor*

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*Lt. Governor*

BOB MARTIN
*Commissioner*

MAR 31 2011

Mr. James S. Zubrow, Program Manager
Key Environmental, Inc.
200 Third Avenue
Carnegie, Pennsylvania 15106

Re: Waste Classification Request – Sump Contents at Building 18
Standard Chlorine Chemical Co., Inc.(SCCC) Site, Kearny, New Jersey
Facility ID No.: 467525, CLA110004

Dear Mr. Zubrow:

This correspondence is in response to your submittal of December 14, 2010 for the classification of approximately 10 cubic yards of sediment materials and water from the sump below the Still Tank at the above site.

Please be advised that waste that conforms with the description provided in the above noted letter is classified as bulk liquid (I.D. #72) pursuant to the rules of the of New Jersey Solid and Hazardous Waste Management Program. Wastes conforming with the characteristics of the representative samples must be disposed of at facilities authorized to accept bulk liquid (I.D. #72).

This letter constitutes merely an advisory opinion on the applicability of current New Jersey waste classification standards to a specific representative sample of a waste stream and expresses no opinion regarding any particular waste shipment to the extent that the characteristics and content differ from the representative sample of the waste stream. Because the Department has not examined, inspected, or analyzed the wastes you propose to dispose of, this response does not constitute any representation as to the actual chemical composition of said material.

Please note that the management of any waste material containing PCB's shall be compliant with federal requirements included under the Toxic Substance Control Act (TSCA) at 40 CFR 700 *et seq.* Further, this authorization does not imply any approval that may be stipulated in accordance with the TSCA requirements. Finally, more detailed information concerning the management of PCB containing materials, as required under TSCA, is available at U.S. Environmental Protection Agency (US EPA), Region II; please contact James Haklar, Ph.D., at 732-906-6817 (or by email at Haklar.James@epamail.epa.gov ) for assistance in this area.

If you have any further questions regarding the classification of the above waste, please contact Dr. Shih Chang of this Bureau at 609-984-6985 or by email at Shih.Chang@dep.state.nj.us.

Sincerely,

Robert M. Confer, Chief
Bureau of Landfill and Hazardous Waste Permitting

SC/sc
HC10-8643 Bld 18 Sump.doc
c: Debbie Pinto, Bureau of Compliance and Enforcement
Zafar Billah, Section Chief, BL&HWP
Chris Kanakis, Case Manager
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**Public Service Electric and Gas Company**
**P.O. Box 1023, Cranford, N.J. 07016-0790**
**demolition@pseg.com**

PSE&G

17-May-11

MICHAEL J MARTELLO, TOWN ADMINISTRATOR
402 KEARNY AVE
KEARNY N.J. 07032

Re: Completion of Service Removal

Dear Customer :

As per your request ,the gas and electric services have been disconnected and removed.
At this time, demolition is permitted at the following address:

**1025 BELLEVILLE TPK,LOT49-BLDG15,17,18&21**
**KEARNY**

Please feel free to contact us if you need further assistance with this project or any future projects.
Thank you for your patience, cooperation and continued support.

Sincerely,

Lorraine Gray

L. Gray Supervisor
PSEG Demolition Department
800-817-3366

Print Report

**County of Hudson**

# Town of Kearny

This table is a listing of adjoining property owners within 200 feet of Block ;Lot .

Prepared by Division of _____: _____

| Block | Lot | Qualifier | Property Location | Owner Name | Address | City/State | Zip Code |
|---|---|---|---|---|---|---|---|
| 287 | 48 | HM | PIKE & MEADOWS | KEARNY. TOWN OF | 402 KEARNY AVE | KEARNY, NJ | 07032 |
| 287 | 54 | HM | NWK/JC TPKE | H C IMPROVEMENT AUTHORITY | 2 JOURNAL SQ PL-8TH FL | JERSEY CITY, NJ | 07306 |
| 287 | 55 | HM | MEADOWS | H C IMPROVEMENT AUTHORITY | 2 JOURNAL SQ PL-8TH FL | JERSEY CITY, NJ | 07306 |
| 287 | 62 | HM | MEADOWS | H C IMPROVEMENT AUTHORITY | 2 JOURNAL SQ PL-8TH FL | JERSEY CITY, NJ | 07306 |
| 287 | 32.01 | HM | MEADOWS | H C IMPROVEMENT AUTHORITY | 2 JOURNAL SQ PL-8TH FL | JERSEY CITY, NJ | 07306 |
| 287 | 56 | HM | NWK/JC TPKE | H C IMPROVEMENT AUTHORITY | 2 JOURNAL SQ PL-8TH FL | JERSEY CITY, NJ | 07306 |
| 287 | 46 | HM | 1015 BELLEVILLE TPKE | DIAMOND SHAM CHEM LAND HLDG% ACC DPT | 2 TOWER CENTER BLVD 10FL | EAST BRUNSWICK, NJ | 08816 |
| 287 | 32.02 | HM | MEADOWS | CHEMICAL LAND HLDGS INC% ACCT DEPT | 2 TOWER CENTER BLVD 10FL | EAST BRUNSWICK, NJ | 08816 |
| 287 | 47 | 00000 | 1015 BELLEVILLE TPKE | DIAMOND SHAM CHEM LAND HLDG% ACC DPT | 2 TOWER CENTER BLVD 10FL | EAST BRUNSWICK, NJ | 08816 |
| 287 | 50 | HM | BELLEVILLE TPKE | KEARNY, TOWN OF | 402 KEARNY AVE | KEARNY, NJ | 07032 |
| 287 | 51 | 00000 | PIKE & MEADOWS | KEARNY. TOWN OF | 402 KEARNY AVE | KEARNY, NJ | 07032 |
| 287 | 52 | 00000 | PIKE & MEADOWS | KEARNY. TOWN OF | 402 KEARNY AVE | KEARNY, NJ | 07032 |
| 287 | 49 | 00000 | PIKE & MEADOWS | KEARNY. TOWN OF | 402 KEARNY AVE | KEARNY, NJ | 07032 |

PRECISION
Environmental Co.

5500 Old Brecksville Road • Independence, Ohio 44131
(216) 642-6040 • fax (216) 642-6041

October 27, 2011

Town of Kearny
402 Kearny Ave.
Kearny, NJ 07032

RE: Demolition of Four Buildings

To Whom It May Concern:

We will be demolishing four buildings in the Town of Kearny at 1015-1035 Belleville Turnpike. You will be notified because you are listed as an adjoining property owner and/or neighbor.

If you have any questions please call Brian J. Baumann at 216-429-1700.

Sincerely,

Brian J. Baumann

PRECISION
Environmental Co.

5500 Old Brecksville Road • Independence, Ohio 44131
(216) 642-6040 • fax (216) 642-6041

October 27, 2011

HC Improvement Authority
2 Journal Sq. Pl., 8th Floor
Jersey City, NJ 07306

RE: Demolition of Four Buildings

To Whom It May Concern:

We will be demolishing four buildings in the Town of Kearny at 1015-1035 Belleville Turnpike. You will be notified because you are listed as an adjoining property owner and/or neighbor.

If you have any questions please call Brian J. Baumann at 216-429-1700.

Sincerely,

Brian J. Baumann

Brian J. Baumann

PRECISION
Environmental Co.

5500 Old Brecksville Road • Independence, Ohio 44131
(216) 642-6040 • fax (216) 642-6041

October 27, 2011

Diamond Sham Chem Land
2 Tower Center Blvd., 10th Floor
East Brunswick, NJ 08816

RE: Demolition of Four Buildings

To Whom It May Concern:

We will be demolishing four buildings in the Town of Kearny at 1015-1035 Belleville Turnpike. You will be notified because you are listed as an adjoining property owner and/or neighbor.

If you have any questions please call Brian J. Baumann at 216-429-1700.

Sincerely,

Brian J. Baumann

Brian J. Baumann

UNITED WE STAND

Confirmation Services

Package ID 9171082133393637604974
Destination ZIP Code: 07032
Recipient: Town of Kearny
Address: 402 Kearny Ave.
Kearny, NJ 07032

E-CERTIFIED
1ST CLASS LETTER
PBP Account #: 16953960
Serial #: 4492381
OCT 27 11 11:05A

UNITED WE STAND

Confirmation Services

Package ID 9171082133393637604981
Destination ZIP Code: 07306
Recipient: HC Improvement Authority
Address: 2 Journal Sq. Pl. 8th Floor
Jersey City, NJ 07306

E-CERTIFIED
1ST CLASS LETTER
PBP Account #: 16953960
Serial #: 4492381
OCT 27 11 11:05A

UNITED WE STAND

Confirmation Services

Package ID 9171082133393637604998
Destination ZIP Code: 08816
Recipient: Diamond Sham Chem Land
Address: 2 Tower Center Blvd. 10th Floor
East Brunswick, NJ 08816

E-CERTIFIED
1ST CLASS LETTER
PBP Account #: 16953960
Serial #: 4492381
OCT 27 11 11:05A

Bend & Peel

This sheet good for two postage tapes.

Town of Kearny
410 Kearny Avenue
Kearny, NJ 07032
201 - 955-7880

Permit Number: 20111098
Update Number:
Control Number: 43389
Application Date: 11/02/2011
Permit Date: 11/02/2011

# CONSTRUCTION PERMIT

## IDENTIFICATION

**OWNER/PROPERTY DETAILS**

Block: 287 Lot: 48 Qualification Code: HM
Work Site Location: PIKE & MEADOWS KEARNY

Owner In Fee: KEARNY. TOWN OF
Address: 402 KEARNY AVE
KEARNY NJ 07032-0602

Telephone: ()

Use Group(s): U

Contractor: Precision Environmental Company
Address: 5500 Old Brecksville Road
Independence OH 44131

Telephone: (216) 642-6040

Lic. No. / Bldrs. Reg. No.:

Federal Emp. No.: 34-1570806

is hereby granted permission to perform the following work :

[ X ]BUILDING [ ]PLUMBING [ ] DEMOLITION
[ ]ELECTRICAL [ ]FIRE PROTECTION [ ] OTHER
[ ]ELEVATOR DEVICES [ ]MECHANICAL
[ ]ASBESTOS ABATEMENT [ ]LEAD HAZARD ABATEMENT
(Subchapter 8 only)

CRIPTION OF WORK:
Placement of tempory office trailer (36X10 feet)-ran by generator Tag/Equipment #MIL-03157 Part of NJMC File #11-617

ESTIMATED COST OF WORK:

| | |
|---|---|
| Cost of Construction: | 2,000.00 |
| Cost of Rehabilitation: | 0.00 |
| Cost of Demolition: | 0.00 |
| Total Cost: | $2,000.00 |

| PAYMENTS (Office Use Only) | |
|---|---|
| Building | $50.00 |
| Electrical | |
| Plumbing | |
| Fire Protection | |
| Elevator Devices | |
| Mechanical | |
| VolFee (DCA) | |
| AltFee (DCA) | |
| DCA Minimum Fee | $0.00 |
| Other Fees | |
| CO Fee | $150.00 |
| CCO Fee | |
| Minimum Fee | |
| **Total** | |
| All Fees Waived: | Yes |

**Amount to be Paid:**

NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Anthony Chisari ASST. Construction Official

Date 11/2/11

Note:

# BUILDING SUBCODE
## TECHNICAL SECTION

Date Received
Control #

Date Issued
Permit #

**A. IDENTIFICATION—APPLICANT:** COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block _____ Lot _____ Qualification Code _____

Work Site Location _____

Owner in Fee: _____

Tel. ( ) _____ e-mail _____

Address _____
street municipality zip code

Contractor: _____ Tel. ( ) _____

Address _____ e-mail _____

Contractor License No. or Builder Registration No. _____ Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. _____ FAX: ( ) _____

**JOB SUMMARY (Office Use Only)**

| PLAN REVIEW | Date | Initial |
|---|---|---|
| [ ] No Plans Required | | |
| [ ] All | | |
| [ ] Footing | | |
| [ ] Foundation | | |
| [ ] Frame | | |
| [ ] Other | | |

Joint Plan Review Required:
[ ] Elec. [ ] Plumb. [ ] Fire [ ] Elevator

SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA

Date: _____

Approved by: _____

| INSPECTIONS Type: | Failure | Dates (Month/Day) Failure | Approval | Initial |
|---|---|---|---|---|
| Footing | | | | |
| Footing Bonding | | | | |
| Foundation | | | | |
| Slab | | | | |
| Frame | | | | |
| Truss Sys./Bracing | | | | |
| Barrier-Free | | | | |
| Insulation | | | | |
| Finishes -Base Layer | | | | |
| Finishes -Final | | | | |
| Energy | | | | |
| Mechanical | | | | |
| TCO | | | | |
| Other | | | | |
| Final | | | | |
| Barrier-Free | | | | |

**B. BUILDING CHARACTERISTICS**

Use Group Present _____ Proposed _____
Constr. Class Present _____ Proposed _____
No. of Stories _____
Height of Structure _____ Ft.
Area — Largest Floor _____ Sq. Ft.
New Bldg. Area/All Floors _____ Sq. Ft.
Volume of New Structure _____ Cu. Ft.
Total Land Area Disturbed _____ Sq. Ft.

**Est. Cost of Bldg. Work:**
1. New Bldg. $ _____
2. Rehabilitation $ _____
3. Total (1+ 2) $ _____

**C. CERTIFICATION IN LIEU OF OATH**

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

_____
Signature

**D. TECHNICAL SITE DATA**

DESCRIPTION OF WORK

TYPE OF WORK:
[ ] New Building
[ ] Addition
[ ] Rehabilitation
[ ] Roofing
[ ] Siding
[ ] Fence _____ Height (exceeds 6')
[ ] Sign _____ Sq. Ft.
[ ] Pool
[ ] Retaining Wall _____ Sq. Ft.
[ ] Asbestos Abatement Subchapter 8
[ ] Lead Haz. Abatement NJAC 5:17
[ ] Radon Remediation
[ ] Other _____
[ ] Demolition

FEE (Office Use Only)
$ _____

Administrative Surcharge $ _____
Minimum Fee $ _____
State Permit Surcharge Fee $ _____
TOTAL FEE $ _____

U.C.C. F110
(rev. 07/06)

White - Office C • Canary - Applicant Copy • Card - Inspector Copy

# BUILDING SUBCODE
## TECHNICAL SECTION

Date Received
Control #

Date Issued
Permit #

**A. IDENTIFICATION—APPLICANT:** COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block _____ Lot _____ Qualification Code _____

Work Site Location _____

Owner in Fee: _____

Tel. ( ____ ) _____ e-mail _____

Address _____
street municipality zip code

Contractor: _____ Tel. ( ____ ) _____

Address _____ e-mail _____

Contractor License No. or Builder Registration No. _____ Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. _____ FAX: ( ____ ) _____

**JOB SUMMARY (Office Use Only)**

| PLAN REVIEW | Date | Initial |
|---|---|---|
| [ ] No Plans Required | | |
| [ ] All | | |
| [ ] Footing | | |
| [ ] Foundation | | |
| [ ] Frame | | |
| [ ] Other | | |

Joint Plan Review Required:
[ ] Elec. [ ] Plumb. [ ] Fire [ ] Elevator

SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA
Date: _____
Approved by: _____

| INSPECTIONS Type: | Failure | Dates (Month/Day) Failure | Approval | Initial |
|---|---|---|---|---|
| Footing | | | | |
| Footing Bonding | | | | |
| Foundation | | | | |
| Slab | | | | |
| Frame | | | | |
| Truss Sys./Bracing | | | | |
| Barrier-Free | | | | |
| Insulation | | | | |
| Finishes -Base Layer | | | | |
| Finishes -Final | | | | |
| Energy | | | | |
| Mechanical | | | | |
| TCO | | | | |
| Other | | | | |
| Final | | | | |
| Barrier-Free | | | | |

**B. BUILDING CHARACTERISTICS**

Use Group Present _____ Proposed _____
Constr. Class Present _____ Proposed _____
No. of Stories _____
Height of Structure _____ Ft.
Area — Largest Floor _____ Sq. Ft.
New Bldg. Area/All Floors _____ Sq. Ft.
Volume of New Structure _____ Cu. Ft.
Total Land Area Disturbed _____ Sq. Ft.

**Est. Cost of Bldg. Work:**
1. New Bldg. $ _____
2. Rehabilitation $ _____
3. Total (1+ 2) $ _____

**C. CERTIFICATION IN LIEU OF OATH**

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

_____
Signature

**D. TECHNICAL SITE DATA**

DESCRIPTION OF WORK

TYPE OF WORK:
[ ] New Building
[ ] Addition
[ ] Rehabilitation
[ ] Roofing
[ ] Siding
[ ] Fence _____ Height (exceeds 6')
[ ] Sign _____ Sq. Ft.
[ ] Pool
[ ] Retaining Wall _____ Sq. Ft.
[ ] Asbestos Abatement Subchapter 8
[ ] Lead Haz. Abatement NJAC 5:17
[ ] Radon Remediation
[ ] Other _____
[ ] Demolition

FEE (Office Use Only)
$ _____

Administrative Surcharge $ _____
Minimum Fee $ _____
State Permit Surcharge Fee $ _____
TOTAL FEE $ _____

U.C.C. F110
(rev. 07/06)

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Town of Kearny
410 Kearny Avenue
Kearny, NJ 07032
201 - 955-7880

Permit Number: 20111074
Update Number:
Control Number: 43357
Application Date: 11/02/2011
Permit Date: 11/02/2011

# CONSTRUCTION PERMIT

## IDENTIFICATION

**OWNER/PROPERTY DETAILS**

Block: 287 Lot: 48 Qualification Code: HM
Work Site Location: PIKE & MEADOWS KEARNY

Owner In Fee: KEARNY. TOWN OF
Address: 402 KEARNY AVE
KEARNY NJ 07032-0602

Telephone: ()

Use Group(s): F-2

Contractor: Precision Environmental Company
Address: 5500 Old Brecksville Road
Independence OH 44131

Telephone: (216) 642-6040

Lic. No. / Bldrs. Reg. No.:

Federal Emp. No.: 34-1570806

is hereby granted permission to perform the following work :

[ X ]BUILDING
[ ]PLUMBING
[ ] DEMOLITION
[ ]ELECTRICAL
[ ]FIRE PROTECTION
[ ] OTHER
[ ]ELEVATOR DEVICES
[ ]MECHANICAL
[ X ]ASBESTOS ABATEMENT
[ ]LEAD HAZARD ABATEMENT

(Subchapter 8 only)

DESCRIPTION OF WORK:
Abestos Abatement of Building #15 for Building demo for Town of Kearny property - (old Standard Clorine Bldg)

ESTIMATED COST OF WORK:

| | |
|---|---|
| Cost of Construction: | 0.00 |
| Cost of Rehabilitation: | 50,000.00 |
| Cost of Demolition: | 0.00 |
| Total Cost: | $50,000.00 |

| PAYMENTS (Office Use Only) | |
|---|---|
| Building | $84.00 |
| Electrical | |
| Plumbing | |
| Fire Protection | |
| Elevator Devices | |
| Mechanical | |
| VolFee (DCA) | |
| AltFee (DCA) | |
| DCA Minimum Fee | $1.00 |
| Other Fees | |
| CO Fee | |
| CCO Fee | |
| Minimum Fee | |
| **Total** | |
| All Fees Waived: | Yes |

**Amount to be Paid:**

NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

11/2/11

Anthony Chisari ASST. Date
Construction Official

# BUILDING SUBCODE
## TECHNICAL SECTION

Date Received
Control #

Date Issued
Permit #

**A. IDENTIFICATION—APPLICANT:** COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 287 Lot 48 Qualification Code 49,49.0150

Work Site Location 1015 Bergenline Avenue

Owner in Fee: Town of Kearny

Tel. (201) 955-7400 e-mail

Address 402 Kearny Avenue Kearny NJ 07032
street municipality zip code

Contractor: Pressure Environmental Tel. (516) 242-0040

Address 5500 Old Bethpage Rd 11803 e-mail

Contractor License No. or Builder Registration No. 6985 Exp. Date 7/22/12

Home Improvement Contractor Registration No. or Exemption Reason (if applicable):

Federal Emp. ID No. 31-1530808 FAX: ( ) 242-0041

**JOB SUMMARY (Office Use Only)**

| PLAN REVIEW | Date | Initial |
|---|---|---|
| [ ] No Plans Required | | |
| [ ] All | | |
| [ ] Footing | | |
| [ ] Foundation | | |
| [ ] Frame | | |
| [ ] Other | | |

Joint Plan Review Required:
[ ] Elec. [ ] Plumb. [ ] Fire [ ] Elevator

SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA
Date:
Approved by:

| INSPECTIONS Type: | Failure | Dates (Month/Day) Failure | Approval | Initial |
|---|---|---|---|---|
| Footing | | | | |
| Footing Bonding | | | | |
| Foundation | | | | |
| Slab | | | | |
| Frame | | | | |
| Truss Sys./Bracing | | | | |
| Barrier-Free | | | | |
| Insulation | | | | |
| Finishes -Base Layer | | | | |
| Finishes -Final | | | | |
| Energy | | | | |
| Mechanical | | | | |
| TCO | | | | |
| Other | | | | |
| Final | | | | |
| Barrier-Free | | | | |

**B. BUILDING CHARACTERISTICS**

Use Group Present Proposed
Constr. Class Present Proposed
No. of Stories
Height of Structure Ft.
Area — Largest Floor Sq. Ft.
New Bldg. Area/All Floors Sq. Ft.
Volume of New Structure Cu. Ft.
Total Land Area Disturbed Sq. Ft.

**Est. Cost of Bldg. Work:**
1. New Bldg. $
2. Rehabilitation $
3. Total (1+ 2) $ 50,000

U.C.C. F110
(rev. 07/06)

**C. CERTIFICATION IN LIEU OF OATH**

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Signature

**D. TECHNICAL SITE DATA**

DESCRIPTION OF WORK

Asbestos Abatement of Building 17 (for bldg Demo)

TYPE OF WORK:
[ ] New Building
[ ] Addition
[ ] Rehabilitation
[ ] Roofing
[ ] Siding
[ ] Fence Height (exceeds 6')
[ ] Sign Sq. Ft.
[ ] Pool
[ ] Retaining Wall Sq. Ft.
[ ] Asbestos Abatement Subchapter 8
[ ] Lead Haz. Abatement NJAC 5:17
[ ] Radon Remediation
[ ] Other
[ ] Demolition

FEE (Office Use Only)
$

Administrative Surcharge $
Minimum Fee $
State Permit Surcharge Fee $
TOTAL FEE $

White - Office Copy • Canary - Applicant Copy • Card - Inspector Copy

Town of Kearny
410 Kearny Avenue
Kearny, NJ 07032
201 - 955-7880

Permit Number: 20111075
Update Number:
Control Number: 43358
Application Date: 11/02/2011
Permit Date: 11/02/2011

# CONSTRUCTION PERMIT

## IDENTIFICATION

**OWNER/PROPERTY DETAILS**

Block: 287 Lot: 48 Qualification Code: HM
Work Site Location: PIKE & MEADOWS KEARNY

Owner In Fee: KEARNY. TOWN OF
Address: 402 KEARNY AVE
KEARNY NJ 07032-0602

Telephone: ()

Use Group(s): F-2

Contractor: Precision Environmental Company
Address: 5500 Old Brecksville Road
Independence OH 44131

Telephone: (216) 642-6040

Lic. No. / Bldrs. Reg. No.:

Federal Emp. No.: 34-1570806

is hereby granted permission to perform the following work :

[ X ]BUILDING [ ]PLUMBING [ ] DEMOLITION
[ ]ELECTRICAL [ ]FIRE PROTECTION [ ] OTHER
[ ]ELEVATOR DEVICES [ ]MECHANICAL
[ X ]ASBESTOS ABATEMENT [ ]LEAD HAZARD ABATEMENT
(Subchapter 8 only)

DL RIPTION OF WORK:
Abestos Abatement of Building #17 for Building demo for Town of Kearny - (old Standard Clorine Bldg)

ESTIMATED COST OF WORK:

| | |
|---|---|
| Cost of Construction: | 0.00 |
| Cost of Rehabilitation: | 50,000.00 |
| Cost of Demolition: | 0.00 |
| Total Cost: | $50,000.00 |

| PAYMENTS (Office Use Only) | |
|---|---|
| Building | $84.00 |
| Electrical | |
| Plumbing | |
| Fire Protection | |
| Elevator Devices | |
| Mechanical | |
| VolFee (DCA) | |
| AltFee (DCA) | |
| DCA Minimum Fee | $1.00 |
| Other Fees | |
| CO Fee | |
| CCO Fee | |
| Minimum Fee | |
| **Total** | |
| All Fees Waived: | Yes |

**Amount to be Paid:**

NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Anthony Chisari ASST.
Construction Official

11/2/11
Date

N

# BUILDING SUBCODE
## TECHNICAL SECTION

Date Received
Control #

Date Issued
Permit #

**A. IDENTIFICATION—APPLICANT:** COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block _____ Lot _____ Qualification Code _____

Work Site Location _____

Owner in Fee: _____

Tel. ( ) _____ e-mail _____

Address _____
street municipality zip code

Contractor: _____ Tel. ( ) _____

Address _____ e-mail _____

Contractor License No. or Builder Registration No. _____ Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. _____ FAX: ( ) _____

**JOB SUMMARY (Office Use Only)**

| PLAN REVIEW | Date | Initial |
|---|---|---|
| [ ] No Plans Required | | |
| [ ] All | | |
| [ ] Footing | | |
| [ ] Foundation | | |
| [ ] Frame | | |
| [ ] Other | | |

Joint Plan Review Required:
[ ] Elec. [ ] Plumb. [ ] Fire [ ] Elevator

SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA
Date: _____
Approved by: _____

| INSPECTIONS Type: | Failure | Dates (Month/Day) Failure | Approval | Initial |
|---|---|---|---|---|
| Footing | | | | |
| Footing Bonding | | | | |
| Foundation | | | | |
| Slab | | | | |
| Frame | | | | |
| Truss Sys./Bracing | | | | |
| Barrier-Free | | | | |
| Insulation | | | | |
| Finishes -Base Layer | | | | |
| Finishes -Final | | | | |
| Energy | | | | |
| Mechanical | | | | |
| TCO | | | | |
| Other | | | | |
| Final | | | | |
| Barrier-Free | | | | |

**B. BUILDING CHARACTERISTICS**

Use Group Present _____ Proposed _____
Constr. Class Present _____ Proposed _____
No. of Stories _____
Height of Structure _____ Ft.
Area — Largest Floor _____ Sq. Ft.
New Bldg. Area/All Floors _____ Sq. Ft.
Volume of New Structure _____ Cu. Ft.
Total Land Area Disturbed _____ Sq. Ft.

**Est. Cost of Bldg. Work:**
1. New Bldg. $ _____
2. Rehabilitation $ _____
3. Total (1+ 2) $ _____

**C. CERTIFICATION IN LIEU OF OATH**

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Signature _____

**D. TECHNICAL SITE DATA**

DESCRIPTION OF WORK

TYPE OF WORK:
[ ] New Building
[ ] Addition
[ ] Rehabilitation
[ ] Roofing
[ ] Siding
[ ] Fence _____ Height (exceeds 6')
[ ] Sign _____ Sq. Ft.
[ ] Pool
[ ] Retaining Wall _____ Sq. Ft.
[ ] Asbestos Abatement Subchapter 8
[ ] Lead Haz. Abatement NJAC 5:17
[ ] Radon Remediation
[ ] Other _____
[ ] Demolition

FEE (Office Use Only)
$ _____

Administrative Surcharge $ _____
Minimum Fee $ _____
State Permit Surcharge Fee $ _____
TOTAL FEE $ _____

U.C.C. F110
(rev. 07/06)

White - Office Copy • Canary - Applicant Copy • Card - Inspector Copy

Town of Kearny
410 Kearny Avenue
Kearny, NJ 07032
201 - 955-7880

Permit Number: 20111076
Update Number:
Control Number: 43359
Application Date: 11/02/2011
Permit Date: 11/02/2011

# CONSTRUCTION PERMIT

## IDENTIFICATION

**OWNER/PROPERTY DETAILS**

Block: 287 Lot: 48 Qualification Code: HM
Work Site Location: PIKE & MEADOWS KEARNY

Owner In Fee: KEARNY. TOWN OF
Address: 402 KEARNY AVE
KEARNY NJ 07032-0602

Telephone: ()

Use Group(s): F-2

Contractor: Precision Environmental Company
Address: 5500 Old Brecksville Road
Independence OH 44131

Telephone: (216) 642-6040

Lic. No. / Bldrs. Reg. No.:

Federal Emp. No.: 34-1570806

is hereby granted permission to perform the following work :

[ X ]BUILDING
[ ]PLUMBING
[ ] DEMOLITION
[ ]ELECTRICAL
[ ]FIRE PROTECTION
[ ] OTHER
[ ]ELEVATOR DEVICES
[ ]MECHANICAL
[ X ]ASBESTOS ABATEMENT
[ ]LEAD HAZARD ABATEMENT

(Subchapter 8 only)

| PAYMENTS | (Office Use Only) |
|---|---|
| Building | $84.00 |
| Electrical | |
| Plumbing | |
| Fire Protection | |
| Elevator Devices | |
| Mechanical | |
| VolFee (DCA) | |
| AltFee (DCA) | |
| DCA Minimum Fee | $1.00 |
| Other Fees | |
| CO Fee | |
| CCO Fee | |
| Minimum Fee | |
| **Total** | |
| All Fees Waived: | Yes |

D RIPTION OF WORK:
Abertos Abatement of Building #18 for building demo for Town of Kearny property (old Standard Clorine Bldg)

ESTIMATED COST OF WORK:

| | |
|---|---|
| Cost of Construction: | 0.00 |
| Cost of Rehabilitation: | 150,000.00 |
| Cost of Demolition: | 0.00 |
| Total Cost: | $150,000.00 |

**Amount to be Paid:**

NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Anthony Chisari ASST.
Construction Official

11/2/11
Date

Not

# BUILDING SUBCODE
## TECHNICAL SECTION

Date Received
Control #

Date Issued
Permit #

**A. IDENTIFICATION—APPLICANT:** COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block _____ Lot _____ Qualification Code _____

Work Site Location _____

Owner in Fee: _____

Tel. ( ) _____ e-mail _____

Address _____
street municipality zip code

Contractor: _____ Tel. ( ) _____

Address _____ e-mail _____

Contractor License No. or Builder Registration No. _____ Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. _____ FAX: ( ) _____

**JOB SUMMARY (Office Use Only)**

| PLAN REVIEW | Date | Initial |
|---|---|---|
| [ ] No Plans Required | | |
| [ ] All | | |
| [ ] Footing | | |
| [ ] Foundation | | |
| [ ] Frame | | |
| [ ] Other | | |

Joint Plan Review Required:
[ ] Elec. [ ] Plumb. [ ] Fire [ ] Elevator

SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA
Date: _____
Approved by: _____

| INSPECTIONS Type: | Failure | Dates (Month/Day) Failure | Approval | Initial |
|---|---|---|---|---|
| Footing | | | | |
| Footing Bonding | | | | |
| Foundation | | | | |
| Slab | | | | |
| Frame | | | | |
| Truss Sys./Bracing | | | | |
| Barrier-Free | | | | |
| Insulation | | | | |
| Finishes -Base Layer | | | | |
| Finishes -Final | | | | |
| Energy | | | | |
| Mechanical | | | | |
| TCO | | | | |
| Other | | | | |
| Final | | | | |
| Barrier-Free | | | | |

**B. BUILDING CHARACTERISTICS**

Use Group Present _____ Proposed _____
Constr. Class Present _____ Proposed _____
No. of Stories _____
Height of Structure _____ Ft.
Area — Largest Floor _____ Sq. Ft.
New Bldg. Area/All Floors _____ Sq. Ft.
Volume of New Structure _____ Cu. Ft.
Total Land Area Disturbed _____ Sq. Ft.

**Est. Cost of Bldg. Work:**
1. New Bldg. $ _____
2. Rehabilitation $ _____
3. Total (1+ 2) $ _____

**C. CERTIFICATION IN LIEU OF OATH**

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Signature _____

**D. TECHNICAL SITE DATA**

DESCRIPTION OF WORK

TYPE OF WORK:
[ ] New Building
[ ] Addition
[ ] Rehabilitation
[ ] Roofing
[ ] Siding
[ ] Fence _____ Height (exceeds 6')
[ ] Sign _____ Sq. Ft.
[ ] Pool
[ ] Retaining Wall _____ Sq. Ft.
[ ] Asbestos Abatement Subchapter 8
[ ] Lead Haz. Abatement NJAC 5:17
[ ] Radon Remediation
[ ] Other _____
[ ] Demolition

FEE (Office Use Only)
$ _____

Administrative Surcharge $ _____
Minimum Fee $ _____
State Permit Surcharge Fee $ _____
TOTAL FEE $ _____

U.C.C. F110
(rev. 07/06)

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Town of Kearny
410 Kearny Avenue
Kearny, NJ 07032
201 - 955-7880

Permit Number: 20111077
Update Number:
Control Number: 43360
Application Date: 11/02/2011
Permit Date: 11/02/2011

# CONSTRUCTION PERMIT

## IDENTIFICATION

### OWNER/PROPERTY DETAILS

Block: 287 Lot: 48 Qualification Code: HM
Work Site Location: PIKE & MEADOWS KEARNY

Owner In Fee: KEARNY. TOWN OF
Address: 402 KEARNY AVE
KEARNY NJ 07032-0602

Telephone: ()

Use Group(s): F-2

Contractor: Precision Environmental Company
Address: 5500 Old Brecksville Road
Independence OH 44131

Telephone: (216) 642-6040

Lic. No. / Bldrs. Reg. No.:

Federal Emp. No.: 34-1570806

is hereby granted permission to perform the following work :

[ X ]BUILDING [ ]PLUMBING [ ] DEMOLITION
[ ]ELECTRICAL [ ]FIRE PROTECTION [ ] OTHER
[ ]ELEVATOR DEVICES [ ]MECHANICAL
[ X ]ASBESTOS ABATEMENT [ ]LEAD HAZARD ABATEMENT

(Subchapter 8 only)

| PAYMENTS | (Office Use Only) |
|---|---|
| Building | $84.00 |
| Electrical | |
| Plumbing | |
| Fire Protection | |
| Elevator Devices | |
| Mechanical | |
| VolFee (DCA) | |
| AltFee (DCA) | |
| DCA Minimum Fee | $0.00 |
| Other Fees | |
| CO Fee | |
| CCO Fee | |
| Minimum Fee | |
| **Total** | |
| All Fees Waived: | Yes |

DESCRIPTION OF WORK:
Abestos Abatement of Building #21 for building demo for Town of Kearny property (old Standard Clorine Bldg)

ESTIMATED COST OF WORK:

| | |
|---|---|
| Cost of Construction: | 0.00 |
| Cost of Rehabilitation: | 50,000.00 |
| Cost of Demolition: | 0.00 |
| Total Cost: | $50,000.00 |

**Amount to be Paid:**

NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Anthony Chisari ASST.
Construction Official

Date 11/2/11

N

## Ralph Venturini

**To:** Chisari,Tony

**Cc:** mmartello@kearnynj.org; ssmolenski@penv.net; Allison Koterba; Bruno Rondi; Mark Skerbetz; Ronald Seelogy

**Subject:** Demo/Asbestos Abatement Permit

Re: Standard Chlorine, Asbestos Abatement/Demolition Permit
1025-1035 & 1015 Belleville Tpk.
Block 287, Lot 48
Town of Kearny, NJ

Tony,

Please be advised that the NJMC does not issue permits for demolition/asbestos abatement, as no UCC plan review is required for these applications. Please issue any demo/asbestos abatement permits through your office in accordance with NJUCC Subchapter 8.

Thanks,

Ralph

Ralph Venturini, CFM
Chief of Code Enforcement
Emergency Coordinator
Deputy Director of Land Use Management
New Jersey Meadowlands Commission
One DeKorte Park Plaza
Lyndhurst, NJ 07071
p. 201-460-4639
f. 201-372-0161
ralph.venturini@njmeadowlands.gov
www.njmeadowlands.gov

OCT 26 2011

2011 1077

# BUILDING SUBCODE
## TECHNICAL SECTION

Date Received
Control #

Date Issued
Permit #

**A. IDENTIFICATION—APPLICANT:** COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block _____ Lot _____ Qualification Code _____

Work Site Location _____

Owner in Fee: _____

Tel. ( ) _____ e-mail _____

Address _____ street _____ municipality _____ zip code

Contractor: _____ Tel. ( ) _____

Address _____ e-mail _____

Contractor License No. or Builder Registration No. _____ Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason (if applicable) _____

Federal Emp. ID No. _____ FAX: ( ) _____

**JOB SUMMARY (Office Use Only)**

| PLAN REVIEW | Date | Initial |
|---|---|---|
| [ ] No Plans Required | | |
| [ ] All | | |
| [ ] Footing | | |
| [ ] Foundation | | |
| [ ] Frame | | |
| [ ] Other | | |

Joint Plan Review Required:
[ ] Elec. [ ] Plumb. [ ] Fire [ ] Elevator

SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA
Date: _____
Approved by: _____

| INSPECTIONS Type: | Dates (Month/Day) Failure | Failure | Approval | Initial |
|---|---|---|---|---|
| Footing | | | | |
| Footing Bonding | | | | |
| Foundation | | | | |
| Slab | | | | |
| Frame | | | | |
| Truss Sys./Bracing | | | | |
| Barrier-Free | | | | |
| Insulation | | | | |
| Finishes -Base Layer | | | | |
| Finishes -Final | | | | |
| Energy | | | | |
| Mechanical | | | | |
| TCO | | | | |
| Other | | | | |
| Final | | | | |
| Barrier-Free | | | | |

**B. BUILDING CHARACTERISTICS**

Use Group Present _____ Proposed _____
Constr. Class Present _____ Proposed _____
No. of Stories _____
Height of Structure _____ Ft.
Area — Largest Floor _____ Sq. Ft.
New Bldg. Area/All Floors _____ Sq. Ft.
Volume of New Structure _____ Cu. Ft.
Total Land Area Disturbed _____ Sq. Ft.

**Est. Cost of Bldg. Work:**
1. New Bldg. $ _____
2. Rehabilitation $ _____
3. Total (1+ 2) $ _____

**C. CERTIFICATION IN LIEU OF OATH**

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Signature _____

**D. TECHNICAL SITE DATA**

DESCRIPTION OF WORK

TYPE OF WORK:
[ ] New Building
[ ] Addition
[ ] Rehabilitation
[ ] Roofing
[ ] Siding
[ ] Fence _____ Height (exceeds 6')
[ ] Sign _____ Sq. Ft.
[ ] Pool
[ ] Retaining Wall _____ Sq. Ft.
[ ] Asbestos Abatement Subchapter 8
[ ] Lead Haz. Abatement NJAC 5:17
[ ] Radon Remediation
[ ] Other _____
[ ] Demolition

FEE (Office Use Only)
$ _____

Administrative Surcharge $ _____
Minimum Fee $ _____
State Permit Surcharge Fee $ _____
TOTAL FEE $ _____

U.C.C. F110
(rev. 07/08)

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Town of Kearny
410 Kearny Avenue
Kearny, NJ 07032
201 - 955-7880

Permit Number: 20111078
Update Number:
Control Number: 43361
Application Date: 11/02/2011
Permit Date: 11/02/2011

# CONSTRUCTION PERMIT

## IDENTIFICATION

**OWNER/PROPERTY DETAILS**

Block: 287 Lot: 48 Qualification Code: HM
Work Site Location: PIKE & MEADOWS KEARNY

Owner In Fee: KEARNY, TOWN OF
Address: 402 KEARNY AVE
KEARNY NJ 07032-0602

Telephone: ()

Use Group(s): F-2

Contractor: Precision Environmental Company
Address: 5500 Old Brecksville Road
Independence OH 44131

Telephone: (216) 642-6040

Lic. No. / Bldrs. Reg. No.:

Federal Emp. No.: 34-1570806

is hereby granted permission to perform the following work :

[ X ]BUILDING
[ ]PLUMBING
[ X ] DEMOLITION
[ ]ELECTRICAL
[ ]FIRE PROTECTION
[ ] OTHER
[ ]ELEVATOR DEVICES
[ ]MECHANICAL
[ ]ASBESTOS ABATEMENT
[ ]LEAD HAZARD ABATEMENT
(Subchapter 8 only)

DESCRIPTION OF WORK:
Demolition of Building #15 (6,300 sf) for Town of Kearny property - (old standard Clorine Bldg)

ESTIMATED COST OF WORK:

| | |
|---|---|
| Cost of Construction: | 0.00 |
| Cost of Rehabilitation: | 0.00 |
| Cost of Demolition: | 20,000.00 |
| Total Cost: | $20,000.00 |

| PAYMENTS (Office Use Only) | |
|---|---|
| Building | $360.00 |
| Electrical | |
| Plumbing | |
| Fire Protection | |
| Elevator Devices | |
| Mechanical | |
| VolFee (DCA) | |
| AltFee (DCA) | |
| DCA Minimum Fee | $0.00 |
| Other Fees | |
| CO Fee | |
| CCO Fee | |
| Minimum Fee | |
| Total | |
| All Fees Waived: | Yes |

**Amount to be Paid:**

NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Anthony Chisari ASST. Construction Official

Date 11/2/11

# BUILDING SUBCODE
## TECHNICAL SECTION

Date Received
Control #

Date Issued
Permit #

**A. IDENTIFICATION—APPLICANT:** COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block _____ Lot _____ Qualification Code _____

Work Site Location _____

Owner in Fee: _____

Tel. ( 201 ) _____ e-mail _____

Address _____
street municipality zip code

Contractor: _____ Tel. ( ___ ) _____

Address _____ e-mail _____

Contractor License No. or Builder Registration No. _____ Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. _____ FAX: ( ___ ) _____

**JOB SUMMARY (Office Use Only)**

| PLAN REVIEW | Date | Initial |
|---|---|---|
| [ ] No Plans Required | | |
| [ ] All | | |
| [ ] Footing | | |
| [ ] Foundation | | |
| [ ] Frame | | |
| [ ] Other | | |

Joint Plan Review Required:
[ ] Elec. [ ] Plumb. [ ] Fire [ ] Elevator

SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA
Date: _____
Approved by: _____

| INSPECTIONS Type: | Failure | Dates (Month/Day) Failure | Approval | Initial |
|---|---|---|---|---|
| Footing | | | | |
| Footing Bonding | | | | |
| Foundation | | | | |
| Slab | | | | |
| Frame | | | | |
| Truss Sys./Bracing | | | | |
| Barrier-Free | | | | |
| Insulation | | | | |
| Finishes -Base Layer | | | | |
| Finishes -Final | | | | |
| Energy | | | | |
| Mechanical | | | | |
| TCO | | | | |
| Other | | | | |
| Final | | | | |
| Barrier-Free | | | | |

**B. BUILDING CHARACTERISTICS**

Use Group Present _____ Proposed _____
Constr. Class Present _____ Proposed _____
No. of Stories _____
Height of Structure _____ Ft.
Area — Largest Floor _____ Sq. Ft.
New Bldg. Area/All Floors _____ Sq. Ft.
Volume of New Structure _____ Cu. Ft.
Total Land Area Disturbed _____ Sq. Ft.

Est. Cost of Bldg. Work:
1. New Bldg. $ _____
2. Rehabilitation $ _____
3. Total (1+ 2) $ _____

**C. CERTIFICATION IN LIEU OF OATH**

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

_____
Signature

**D. TECHNICAL SITE DATA**

DESCRIPTION OF WORK

TYPE OF WORK:
[ ] New Building
[ ] Addition
[ ] Rehabilitation
[ ] Roofing
[ ] Siding
[ ] Fence _____ Height (exceeds 6')
[ ] Sign _____ Sq. Ft.
[ ] Pool
[ ] Retaining Wall _____ Sq. Ft.
[ ] Asbestos Abatement Subchapter 8
[ ] Lead Haz. Abatement NJAC 5:17
[ ] Radon Remediation
[ ] Other _____
[ ] Demolition

FEE (Office Use Only)
$ _____

Administrative Surcharge $ _____
Minimum Fee $ _____
State Permit Surcharge Fee $ _____
TOTAL FEE $ _____

U.C.C. F110
(rev. 07/06)

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Town of Kearny
410 Kearny Avenue
Kearny, NJ 07032
201 - 955-7880

Permit Number: 20111079
Update Number:
Control Number: 43363
Application Date: 11/02/2011
Permit Date: 11/02/2011

# CONSTRUCTION PERMIT

## IDENTIFICATION

OWNER/PROPERTY DETAILS

Block: 287 Lot: 48 Qualification Code: IIM
Work Site Location: PIKE & MEADOWS KEARNY

Owner In Fee: KEARNY, TOWN OF
Address: 402 KEARNY AVE
KEARNY NJ 07032-0602

Telephone: ()

Use Group(s): F-2

Contractor: Precision Environmental Company
Address: 5500 Old Brecksville Road
Independence OH 44131

Telephone: (216) 642-6040

Lic. No. / Bldrs. Reg. No.:

Federal Emp. No.: 34-1570806

is hereby granted permission to perform the following work :

[ X ]BUILDING [ ]PLUMBING [ X ] DEMOLITION
[ ]ELECTRICAL [ ]FIRE PROTECTION [ ] OTHER
[ ]ELEVATOR DEVICES [ ]MECHANICAL
[ ]ASBESTOS ABATEMENT [ ]LEAD HAZARD ABATEMENT
(Subchapter 8 only)

DESCRIPTION OF WORK:
Demolition of Building #17 (1,800 sf) for Town of Kearny property - (Old Standard Clorine Bldg)

ESTIMATED COST OF WORK:

| | |
|---|---|
| Cost of Construction: | 0.00 |
| Cost of Rehabilitation: | 0.00 |
| Cost of Demolition: | 20,000.00 |
| Total Cost: | $20,000.00 |

| PAYMENTS (Office Use Only) | |
|---|---|
| Building | $160.00 |
| Electrical | |
| Plumbing | |
| Fire Protection | |
| Elevator Devices | |
| Mechanical | |
| VolFee (DCA) | |
| AltFee (DCA) | |
| DCA Minimum Fee | $0.00 |
| Other Fees | |
| CO Fee | |
| CCO Fee | |
| Minimum Fee | |
| **Total** | |
| All Fees Waived: | Yes |

**Amount to be Paid:**

NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Anthony Chisari ASST.
Construction Official

Date 11/2/11

N

# BUILDING SUBCODE
## TECHNICAL SECTION

Date Received
Control #

Date Issued
Permit #

**A. IDENTIFICATION—APPLICANT:** COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 287 Lot 13 Qualification Code _____

Work Site Location 1005-1035 [illegible]

Owner in Fee: Town of Kearny

Tel. (201) 955-7400 e-mail _____

Address 402 Kearny Ave Kearny 07032
street municipality zip code

Contractor: Professional Tuckpointing Tel. (856) 691-6000

Address 5500 Old Romanus e-mail _____

Contractor License No. or Builder Registration No. 0143 Exp. Date 4/31/10

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. 31-1760836 FAX: (856) [illegible]

**JOB SUMMARY (Office Use Only)**

| PLAN REVIEW | Date | Initial |
|---|---|---|
| [ ] No Plans Required | | |
| [ ] All | | |
| [ ] Footing | | |
| [ ] Foundation | | |
| [ ] Frame | | |
| [ ] Other | | |

Joint Plan Review Required:
[ ] Elec. [ ] Plumb. [ ] Fire [ ] Elevator

SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA
Date: _____
Approved by: _____

| INSPECTIONS Type: | Failure | Dates (Month/Day) Failure | Approval | Initial |
|---|---|---|---|---|
| Footing | | | | |
| Footing Bonding | | | | |
| Foundation | | | | |
| Slab | | | | |
| Frame | | | | |
| Truss Sys./Bracing | | | | |
| Barrier-Free | | | | |
| Insulation | | | | |
| Finishes -Base Layer | | | | |
| Finishes -Final | | | | |
| Energy | | | | |
| Mechanical | | | | |
| TCO | | | | |
| Other | | | | |
| Final | | | | |
| Barrier-Free | | | | |

**B. BUILDING CHARACTERISTICS**

Use Group Present _____ Proposed _____
Constr. Class Present _____ Proposed _____
No. of Stories _____
Height of Structure _____ Ft.
Area — Largest Floor _____ Sq. Ft.
New Bldg. Area/All Floors _____ Sq. Ft.
Volume of New Structure _____ Cu. Ft.
Total Land Area Disturbed _____ Sq. Ft.

**Est. Cost of Bldg. Work:**
1. New Bldg. $ _____
2. Rehabilitation $ _____
3. Total (1+ 2) $ 30,000

**C. CERTIFICATION IN LIEU OF OATH**

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Signature _____

**D. TECHNICAL SITE DATA**

DESCRIPTION OF WORK

Demolition of the Building #18

1,750 SF

TYPE OF WORK:
[ ] New Building
[ ] Addition
[ ] Rehabilitation
[ ] Roofing
[ ] Siding
[ ] Fence _____ Height (exceeds 6')
[ ] Sign _____ Sq. Ft.
[ ] Pool
[ ] Retaining Wall _____ Sq. Ft.
[ ] Asbestos Abatement Subchapter 8
[ ] Lead Haz. Abatement NJAC 5:17
[ ] Radon Remediation
[ ] Other _____
[ ] Demolition

FEE (Office Use Only)
$ _____

Administrative Surcharge $ _____
Minimum Fee $ _____
State Permit Surcharge Fee $ N/C
TOTAL FEE $ _____

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(rev. 07/06)

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Town of Kearny
410 Kearny Avenue
Kearny, NJ 07032
201 - 955-7880

Permit Number: 20111080
Update Number:
Control Number: 43365
Application Date: 11/02/2011
Permit Date: 11/02/2011

# CONSTRUCTION PERMIT

## IDENTIFICATION

**OWNER/PROPERTY DETAILS**

Block: 287 Lot: 48 Qualification Code: HM
Work Site Location: PIKE & MEADOWS KEARNY

Owner In Fee: KEARNY. TOWN OF
Address: 402 KEARNY AVE
KEARNY NJ 07032-0602

Telephone: ()

Use Group(s): F-2

Contractor: Precision Environmental Company
Address: 5500 Old Brecksville Road
Independence OH 44131

Telephone: (216) 642-6040

Lic. No. / Bldrs. Reg. No.:

Federal Emp. No.: 34-1570806

is hereby granted permission to perform the following work :

[ X ]BUILDING [ ]PLUMBING [ X ] DEMOLITION
[ ]ELECTRICAL [ ]FIRE PROTECTION [ ] OTHER
[ ]ELEVATOR DEVICES [ ]MECHANICAL
[ ]ASBESTOS ABATEMENT [ ]LEAD HAZARD ABATEMENT
(Subchapter 8 only)

D. RIPTION OF WORK:
Demolition of Building #18 (1,759 sf) for Town of Kearny property - (old Standard Clorine Bldg)

ESTIMATED COST OF WORK:

| | |
|---|---|
| Cost of Construction: | 0.00 |
| Cost of Rehabilitation: | 0.00 |
| Cost of Demolition: | 20,000.00 |
| Total Cost: | $20,000.00 |

| PAYMENTS (Office Use Only) | |
|---|---|
| Building | $160.00 |
| Electrical | |
| Plumbing | |
| Fire Protection | |
| Elevator Devices | |
| Mechanical | |
| VolFee (DCA) | |
| AltFee (DCA) | |
| DCA Minimum Fee | $0.00 |
| Other Fees | |
| CO Fee | |
| CCO Fee | |
| Minimum Fee | |
| **Total** | |
| All Fees Waived: | Yes |

**Amount to be Paid:**

NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Anthony Chisari ASST. Construction Official

11/2/11
Date

Nc

# BUILDING SUBCODE
## TECHNICAL SECTION

Date Received
Control #

Date Issued
Permit #

**A. IDENTIFICATION—APPLICANT:** COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block _____ Lot _____ Qualification Code _____

Work Site Location _____

Owner in Fee: _____

Tel. ( ) _____ e-mail _____

Address _____
street municipality zip code

Contractor: _____ Tel. ( ) _____

Address _____ e-mail _____

Contractor License No. or Builder Registration No. _____ Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. _____ FAX: ( ) _____

**JOB SUMMARY (Office Use Only)**

| PLAN REVIEW | Date | Initial |
|---|---|---|
| [ ] No Plans Required | | |
| [ ] All | | |
| [ ] Footing | | |
| [ ] Foundation | | |
| [ ] Frame | | |
| [ ] Other | | |

Joint Plan Review Required:
[ ] Elec. [ ] Plumb. [ ] Fire [ ] Elevator

SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA

Date: _____

Approved by: _____

| INSPECTIONS Type: | Failure | Dates (Month/Day) Failure | Approval | Initial |
|---|---|---|---|---|
| Footing | | | | |
| Footing Bonding | | | | |
| Foundation | | | | |
| Slab | | | | |
| Frame | | | | |
| Truss Sys./Bracing | | | | |
| Barrier-Free | | | | |
| Insulation | | | | |
| Finishes -Base Layer | | | | |
| Finishes -Final | | | | |
| Energy | | | | |
| Mechanical | | | | |
| TCO | | | | |
| Other | | | | |
| Final | | | | |
| Barrier-Free | | | | |

**B. BUILDING CHARACTERISTICS**

Use Group Present _____ Proposed _____

Constr. Class Present _____ Proposed _____

No. of Stories _____

Height of Structure _____ Ft.

Area — Largest Floor _____ Sq. Ft.

New Bldg. Area/All Floors _____ Sq. Ft.

Volume of New Structure _____ Cu. Ft.

Total Land Area Disturbed _____ Sq. Ft.

**Est. Cost of Bldg. Work:**

1. New Bldg. $ _____
2. Rehabilitation $ _____
3. Total (1+ 2) $ _____

**C. CERTIFICATION IN LIEU OF OATH**

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Signature _____

**D. TECHNICAL SITE DATA**

DESCRIPTION OF WORK

TYPE OF WORK:
[ ] New Building
[ ] Addition
[ ] Rehabilitation
[ ] Roofing
[ ] Siding
[ ] Fence _____ Height (exceeds 6')
[ ] Sign _____ Sq. Ft.
[ ] Pool
[ ] Retaining Wall _____ Sq. Ft.
[ ] Asbestos Abatement Subchapter 8
[ ] Lead Haz. Abatement NJAC 5:17
[ ] Radon Remediation
[ ] Other _____
[ ] Demolition

FEE (Office Use Only)
$ _____

Administrative Surcharge $ _____
Minimum Fee $ _____
State Permit Surcharge Fee $ _____
TOTAL FEE $ _____

U.C.C. F110
(rev. 07/06)

White - Office Copy • Canary - Applicant Copy • Card - Inspector Copy

Town of Kearny
410 Kearny Avenue
Kearny, NJ 07032
201 - 955-7880

Permit Number: 20111081
Update Number:
Control Number: 43366
Application Date: 11/02/2011
Permit Date: 11/02/2011

# CONSTRUCTION PERMIT

## IDENTIFICATION

**OWNER/PROPERTY DETAILS**

Block: 287 Lot: 48 Qualification Code: HM
Work Site Location: PIKE & MEADOWS KEARNY

Owner In Fee: KEARNY. TOWN OF
Address: 402 KEARNY AVE
KEARNY NJ 07032-0602

Telephone: ()

Use Group(s): F-2

Contractor: Precision Environmental Company
Address: 5500 Old Brecksville Road
Independence OH 44131

Telephone: (216) 642-6040

Lic. No. / Bldrs. Reg. No.:

Federal Emp. No.: 34-1570806

is hereby granted permission to perform the following work :

[ X ]BUILDING
[ ]PLUMBING
[ X ] DEMOLITION
[ ]ELECTRICAL
[ ]FIRE PROTECTION
[ ] OTHER
[ ]ELEVATOR DEVICES
[ ]MECHANICAL
[ ]ASBESTOS ABATEMENT
[ ]LEAD HAZARD ABATEMENT
(Subchapter 8 only)

DESCRIPTION OF WORK:
Demolition of Building #21 (1,500 sf) fot Town of Kearny property - (old Standard Clorine Bldg)

ESTIMATED COST OF WORK:

| | |
|---|---|
| Cost of Construction: | 0.00 |
| Cost of Rehabilitation: | 0.00 |
| Cost of Demolition: | 20,000.00 |
| Total Cost: | $20,000.00 |

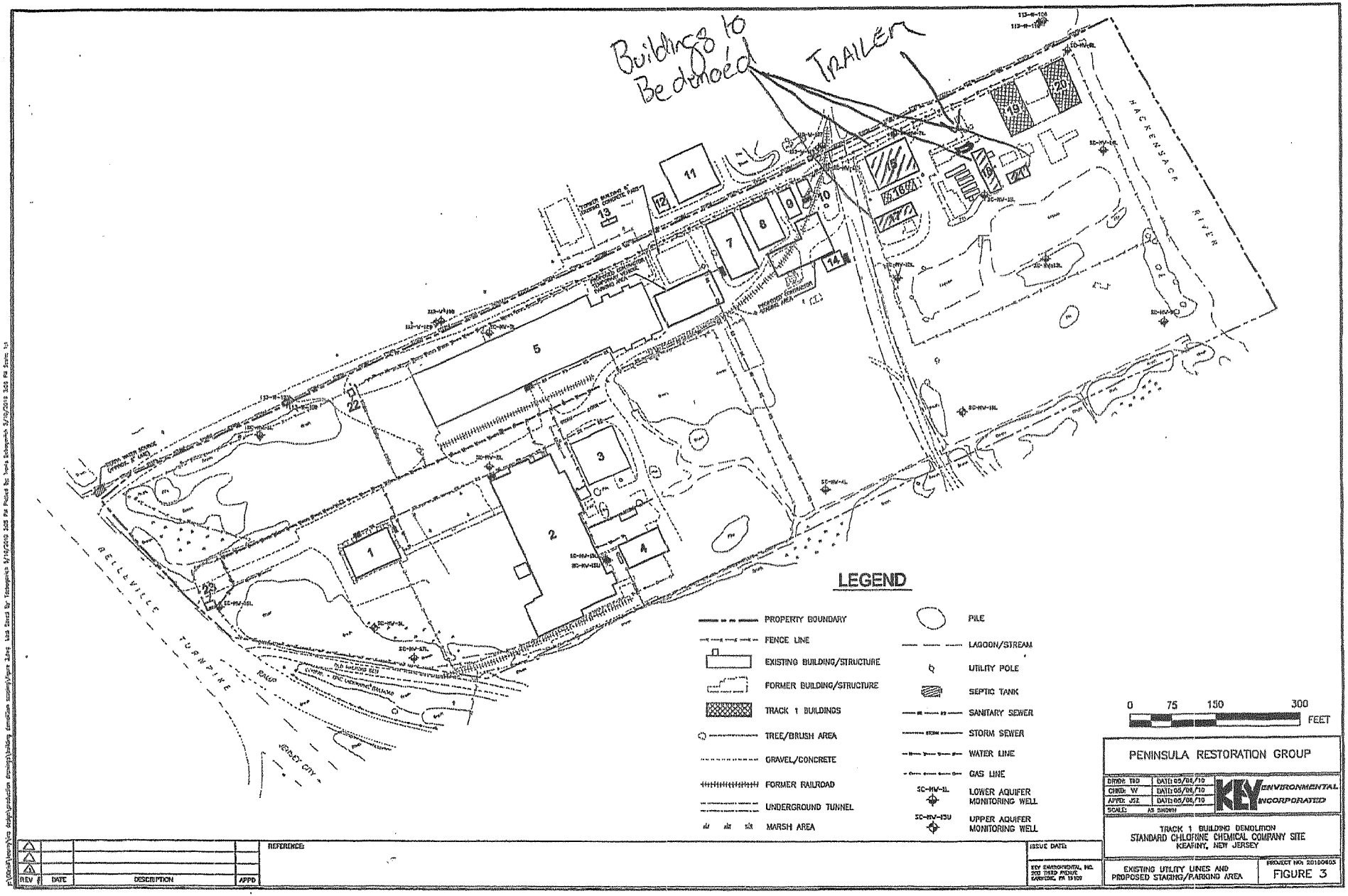
| PAYMENTS (Office Use Only) | |
|---|---|
| Building | $160.00 |
| Electrical | |
| Plumbing | |
| Fire Protection | |
| Elevator Devices | |
| Mechanical | |
| VolFee (DCA) | |
| AltFee (DCA) | |
| DCA Minimum Fee | $0.00 |
| Other Fees | |
| CO Fee | |
| CCO Fee | |
| Minimum Fee | |
| **Total** | |
| All Fees Waived: | Yes |

**Amount to be Paid:**

NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Anthony Chisari ASST.
Construction Official

Date


Buildings to Be demoed
TRAILER
HACKENSACK RIVER
BELLEVILLE TURNPIKE
ROAD
JERSEY CITY
LEGEND
PROPERTY BOUNDARY
FENCE LINE
EXISTING BUILDING/STRUCTURE
FORMER BUILDING/STRUCTURE
TRACK 1 BUILDINGS
TREE/BRUSH AREA
GRAVEL/CONCRETE
FORMER RAILROAD
UNDERGROUND TUNNEL
MARSH AREA
PILE
LAGOON/STREAM
UTILITY POLE
SEPTIC TANK
SANITARY SEWER
STORM SEWER
WATER LINE
GAS LINE
SC-MW-1L LOWER AQUIFER MONITORING WELL
SC-MW-13U UPPER AQUIFER MONITORING WELL
0 75 150 300 FEET
PENINSULA RESTORATION GROUP
DRWN: TBD DATE: 05/08/10
CHKD: W DATE: 05/08/10
APPD: JSZ DATE: 05/08/10
SCALE: AS SHOWN
KEY ENVIRONMENTAL INCORPORATED
TRACK 1 BUILDING DEMOLITION
STANDARD CHLORINE CHEMICAL COMPANY SITE
KEARNY, NEW JERSEY
EXISTING UTILITY LINES AND PROPOSED STAGING/PARKING AREA
PROJECT NO: 20100603
FIGURE 3
REV DATE DESCRIPTION APPD
REFERENCE:
ISSUE DATE:
KEY ENVIRONMENTAL, INC.
200 THIRD AVENUE
CARLSTADT, NJ 07072

## Ralph Venturini

**To:** Chisari,Tony

**Cc:** mmartello@kearnynj.org; ssmolenski@penv.net; Allison Koterba; Bruno Rondi; Mark Skerbetz; Ronald Seelogy

**Subject:** Demo/Asbestos Abatement Permit

Re: Standard Chlorine, Asbestos Abatement/Demolition Permit
1025-1035 & 1015 Belleville Tpk.
Block 287, Lot 48
Town of Kearny, NJ

Tony,

Please be advised that the NJMC does not issue permits for demolition/asbestos abatement, as no UCC plan review is required for these applications. Please issue any demo/asbestos abatement permits through your office in accordance with NJUCC Subchapter 8.

Thanks,

Ralph

Ralph Venturini, CFM
Chief of Code Enforcement
Emergency Coordinator
Deputy Director of Land Use Management
New Jersey Meadowlands Commission
One DeKorte Park Plaza
Lyndhurst, NJ 07071
p. 201-460-4639
f. 201-372-0161
ralph.venturini@njmeadowlands.gov
www.njmeadowlands.gov

OCT 26 2011

# New Jersey Meadowlands Commission

1 DeKorte Park Plaza Lyndhurst, NJ 07071 Phone: 201.460.1700 Fax: 201.372.0161
www.njmeadowlands.gov

# CONDITIONAL ZONING CERTIFICATE

**October 27, 2011**

File # 11-617, Town of Kearny/Construction Trailer
Block 287, Lot 48
1249 NEWARK TPKE
Town of Kearny

| OWNER | APPLICANT / CONTACT |
|---|---|
| Town of Kearny<br>402 Kearny Ave.<br>Kearny, NJ 07032 | Stephen Smolenski<br>Precision Environmental Co.<br>5500 Old Brecksville Road<br>Independence, OH 44131 |

| | | | | |
|---|---|---|---|---|
| ☐ **New Building** | ☐ **Tanks** | ☐ **Monopole** | ☐ **Recycling Areas** | ☐ **Interior Alteration related to Use Change** |
| ☐ **Addition** | ☐ **Fences** | ☐ **Antenna** | ☐ **Site Improvements** | ☒ **Equipment** |

This Office has recently completed its review of your zoning certificate application and related plans for the installation of a construction trailer used in the implementation of an NJDEP approved Interim Response Action Workplan (IRAW). This approval has been prepared in conjunction with Zoning Certificates for NJMC file numbers 10-041, 10-188, and 10-189.

Based on our review, we have determined that the application conditionally complies with the Commission's Intermodal B Zoning Regulations, and we are therefore approving your Conditional Zoning Certificate with the condition(s) listed in Attachment A.

This letter shall serve as your Conditional Zoning Certificate, designated CZC-11-617, and shall be valid for a period of one year.

THIS IS NOT AN APPROVAL TO START CONSTRUCTION. Applications must be made to the Town of Kearny for a building permit.

Please find enclosed a copy of the approved plan(s). A description of the approved plan(s) are listed in Attachment B.

The applicant is hereby advised of his responsibility to investigate and obtain all federal, state and local permits which may pertain to his proposal or project. The New Jersey Meadowlands Commission will not be held liable for any damage which may result from the applicant's failure to obtain the approvals from all respective agencies having jurisdiction. This Office must receive copies of all federal, state, and local permits which may pertain to the proposal before it will issue a Certificate of Completion. If this file is related to the construction of new buildings and additions, please find enclosed a partially completed Elevation Certificate which must be completed by a Professional Land Surveyor and returned to this Office together with a signed and sealed as-built plan before a Certificate of Completion is issued.

Any person who claims to be aggrieved by this decision may request an appeal pursuant to N.J.A.C. 19:4-4.19. A written request for such an appeal must be filed, by certified mail, with the Executive Director within fifteen (15) days of the date of this decision. The request for an appeal shall specify the grounds therefore. Upon grant of the request for an appeal, the Executive Director or his designee shall transmit the matter to the Office of Administrative Law for a hearing.

If there are any questions regarding this approval, please contact Fawzia Shapiro of this Office at (201) 460-4673.

If you should have any questions regarding the building permit process, please contact Ralph Venturini of this Office at (201) 460-4639.

RECOMMENDED BY: Fawzia Shapiro
Fawzia Shapiro, P.E., P.P.
Senior Engineer

APPROVED BY: S Muscaro
for Sara J. Sundell, P.E., P.P.
Chief Engineer

cc: Michael J. Martello, Kearny Construction Official HMMC

# New Jersey Meadowlands Commission

1 DeKorte Park Plaza Lyndhurst, NJ 07071 Phone: 201.460.1700 Fax: 201.372.0161

www.njmeadowlands.gov


## ATTACHMENT A

**October 27, 2011**

File # 11-617, Town of Kearny/Construction Trailer
Block 287, Lot 48
1249 NEWARK TPKE
Town of Kearny

1. The construction trailer shall be removed from the premises upon completion of the construction activities.

# New Jersey Meadowlands Commission

1 DeKorte Park Plaza Lyndhurst, NJ 07071 Phone: 201.460.1700 Fax: 201.372.0161

www.njmeadowlands.gov


## ATTACHMENT B

**October 27, 2011**

File # 11-617, Town of Kearny/Construction Trailer
Block 287, Lot 48
1249 NEWARK TPKE
Town of Kearny

Please find enclosed a copy of the approved plan as follows:

1. Plan showing proposed construction trailer location, received by the NJMC on October 26, 2011.

CZC-11-617 Town of Kearny/Construction Trailer

**NEW JERSEY MEADOWLANDS COMMISSION**

**APPROVED**

Zoning approval for:

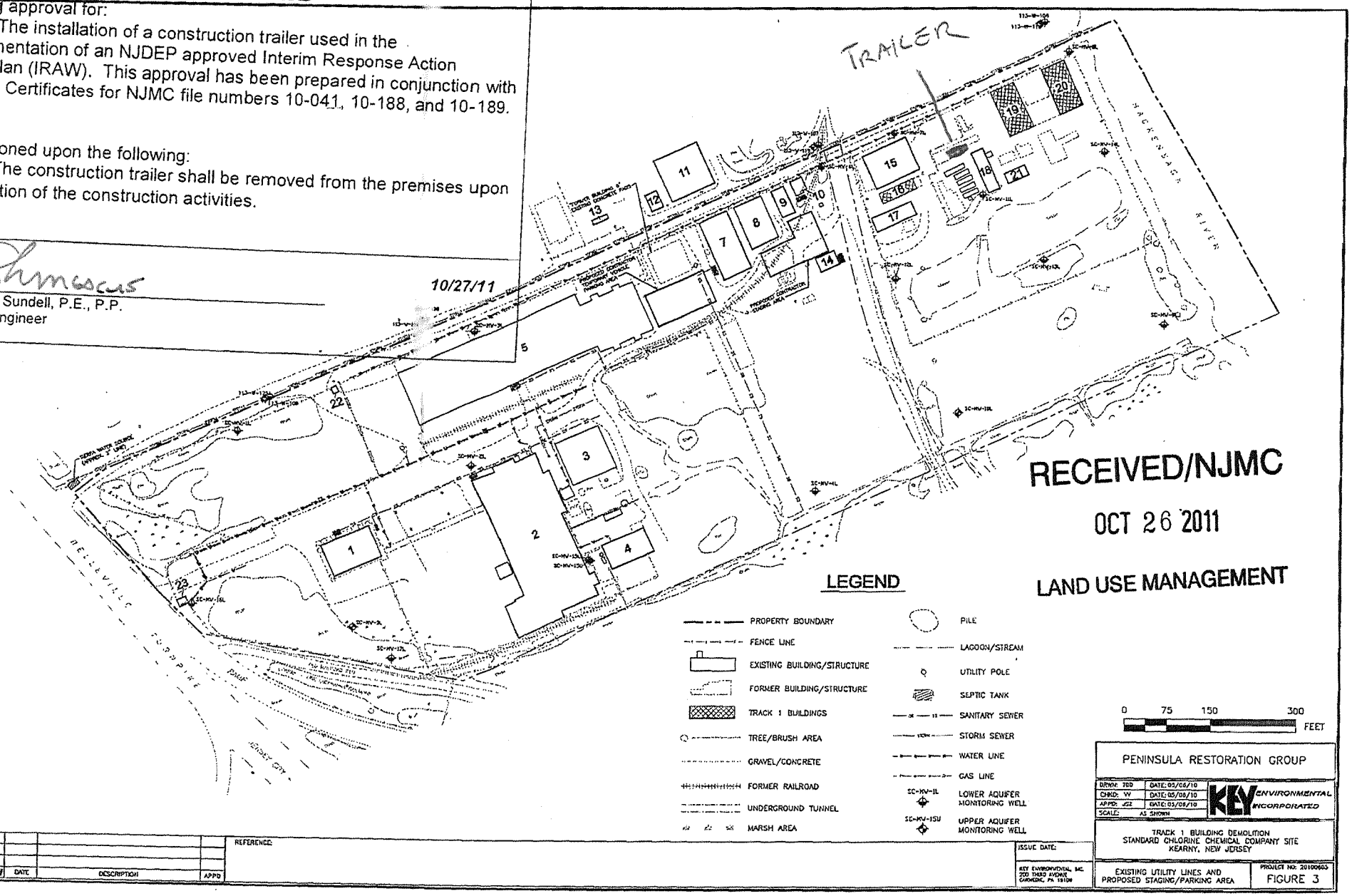
1. The installation of a construction trailer used in the implementation of an NJDEP approved Interim Response Action Workplan (IRAW). This approval has been prepared in conjunction with Zoning Certificates for NJMC file numbers 10-041, 10-188, and 10-189.

Conditioned upon the following:

1. The construction trailer shall be removed from the premises upon completion of the construction activities.

for Sara J. Sundell, P.E., P.P.
Chief Engineer

10/27/11




RECEIVED/NJMC
OCT 26 2011
LAND USE MANAGEMENT

11-617

# New Jersey Meadowlands Commission

1 DeKorte Park Plaza *Lyndhurst, NJ *07071 *Phone: 201-460-1700 *Fax: 201-372-0161
www.njmeadowlands.gov

# NJUCC CONSTRUCTION CODE PLAN RELEASE

☒ **Plan Release** ☐ **Partial Plan Release** ☐ **Revised Plan Release**

*Date Issued* October 27, 2011 *File Number*: 11-617 *File Name*: Town of Kearny/Construction Trailer

| Property Information: | | Owner in Fee: | | Contact Information: | |
|---|---|---|---|---|---|
| Municipality: | Town of Kearny | Name: | Town of Kearny | Company: | Precision Environmental Co. |
| Block: | 287 | Address: | 402 Kearny Ave. | Name: | Stephen Smolenski |
| Lot: | 48 | City / State: | Kearny, NJ | Address: | 5500 Old Brecksville Road |
| Address: | 1249 NEWARK TPKE | Zip: | 07032 | City / State: | Independence, OH |
| | | Phone: | (201) 955-7400 | Zip: | 44131 |
| | | | | Phone: | (216) 704-4965 |

The following subcodes are released for Construction Permit:

☒ BUILDING ☐ PLUMBING
☐ ELECTRICAL ☐ FIRE PROTECTION
☐ ELEVATOR DEVICES ☐ OTHER

Description of Work:
Installation of temporary construction trailer.
No further NJMC action required.

Specifically, we have reviewed drawing(s): Minute Man anchor system & OSHA entrance stair/platform details.

Our review concludes that the proposed construction complies with N.J.A.C. 19:6-1.2 through 1.10 and N.J.A.C. 5:23 et seq. In accordance with N.J.A.C. 19:6-1.6(d), we are hereby issuing this Certificate of Plan Release

As per Section 5:23-2.21(c) of the Uniform Construction Code, the owner must submit to this Office the name of the designated responsible person in charge of work.
At the completion of construction, this person shall submit a signed report as to the satisfactory completion of the project.
A Certificate of Completion and Occupancy Approval, or Certificate of Approval may be issued only when the above items have been submitted and all outstanding items as per our final inspection report and review have been completed.

The applicant is hereby advised of his responsibility to investigate and obtain all federal, state, and local permits which may pertain to this proposal or project. The New Jersey Meadowlands Commission will not be held liable for any damages that may result from the applicant's failure to obtain the necessary approvals from all respective agencies having jurisdiction.

Please be advised that if this Plan Release is checked for any of the following sub codes, then no further NJMC action is required and this file is hereby terminated:

☒ Building ☐ Fire ☐ Electrical ☐ Plumbing ☐ Elevator Devices

**THE APPLICANT IS ADVISED BY COPY OF THIS LETTER OF HIS RESPONSIBILITY TO OBTAIN A CONSTRUCTION PERMIT FROM THE TOWN PRIOR TO COMMENCING WORK.**

If there are any questions, please contact Ralph Venturini of this Office at (201) 460-4639.

cc: Michael J. Martello, Kearny Construction Official
S. Smolenski, Precision Environmental Co.

**Ralph Venturini**
Chief Plan Examiner

# APPENDIX B

## MATERIAL CHARACTERIZATION DATA

## CONTENTS

2004 Asbestos Containing Material (ACM) Survey

2004 Lead Survey

2010 PCBs in caulk

2010 ACM Survey – TEM results

2010 Waste Classification Building Material Characterization Summary Tables – solids and liquids

- Concrete
- Wood
- ACM
- Glass/Debris
- Sump Solids
- Sump Liquids
- Drum Solids and Liquids

2012 Additional Waste Characterization Data

- Dielectric Fuild
- K085 Still Bottoms
- Non-K085 Rinse Water
- Tank Debris

CD 1 & 2: Laboratory Reports (*CDs are included separately*)

# *PRE-DEMOLITION ASBESTOS AND LEAD BUILDING SURVEYS PERFORMED BY OMEGA ENVIRONMENTAL SERVICES FOR KEY ENVIRONMENTAL, INC.*

**STANDARD CHLORINE CHEMICAL CO SITE AND DIAMOND SITE**
**KEARNY, NEW JERSEY**

***Prepared for:***

**The Peninsula Restoration Group**
**(Standard Chlorine Chemical Co, Tierra Solutions, Inc. and Beazer East, Inc.)**
1015-1035 Belleville Turnpike
Kearny, New Jersey 07032

***Prepared by:***

Omega Environmental Services, Inc.
165 State Street - A
Hackensack, NJ 07601
[Omega Project #: 04-1080]

March 2004

| | | |
|---|---|---|
| Exterior roofing | Flashing (note: roof field non-ACM) | 120 square ft. |
| BUILDING #8 | | |
| Debris on floor | Asphaltous debris | Miscellaneous debris |
| Exterior roof | Damaged flashing | 110 square ft. |
| BUILDING #9 | | |
| Interior | 9"x 9" floor tile (red) | 80 square ft. |
| BUILDING #10 | | |
| Exterior roofing | Flashing (note: roof shingles non-ACM) | 48 square ft. |
| BUILDING #11 | | |
| Interior storage | Damaged 9"x 9" floor tiles | 100 square ft. |
| 2nd floor | Damaged transite | 2300 square ft. |
| Exterior | Pipe insulation (white) | 40 linear ft. |
| Exterior | Transite siding | 6250 square ft. |
| Exterior | siding | 8000 square ft. |
| Exterior roofing | Roof field | 5100 square ft. |
| Exterior roofing | Roof flashing | 290 square ft. |
| BUILDING #12 | | |
| Interior ceiling | Transite panels (gray) | 560 square ft. |
| Exterior roofing | Roof flashing | 110 square ft. |
| BUILDING #13 | | |
| Exterior roof & siding | *No accessible asbestos containing material (ACM) identified* | |
| BUILDING #14 | | |
| Building interior | 9"x 9" damaged floor tile (gray) | 240 square ft. |
| Building exterior | Pipe fittings (white) | 3 each (approx. 10 linear ft.) |
| Building exterior | Damaged pipe insulation (yellow/black) | 20 linear ft. |
| BUILDING #15 | | |
| Building exterior | Transite (gray) | 56,000 square ft. |
| BUILDING #16 | | |
| Exterior siding | Transite panels (gray) | 3500 square ft. |
| BUILDING #17 | | |
| Meter Room | Transite | 480 square ft. |
| BUILDING #18 | | |



Ω *Omega Environmental Services, Inc. 165 State Street, Suite A • Hackensack, NJ 07601 • Tel: (201) 489-8700 • Fax: (201) 342-5412*

| | | |
|---|---|---|
| Exterior siding | Transite panels | 32,000 square ft. |
| 7th floor – throughout | Pipe insulation (white) | 2000 linear ft. |
| 5th floor – throughout | Pipe insulation (white) | |
| 6th floor – throughout | Pipe insulation | |
| 6th floor | Tank body insulation (white) | 5000 square ft. |
| 1st floor | (2-layer) tank insulation | 1500 square ft. |
| 1st floor | Roof debris on floor | Miscellaneous debris |
| BUILDING #19 | | |
| Exterior debris | Transite debris | 80 square ft. |
| Exterior roof | Roof field | 3500 square ft. |
| Exterior door | Fire Door | 100 sq. ft. |
| BUILDING #20 | | |
| Fire door | Door insulation | 100 square ft. |
| Exterior roof | Roof field | 3500 square ft. |
| Collapsed exterior roofing | Roof flashing | 270 square ft. |
| BUILDING #21 | | |
| Building exterior | Transite shingles | 6500 square ft. |
| BUILDING #22 | | |
| | *No asbestos detected above trace levels* | |
| BUILDING #23 | | |
| Inside guard house | Damaged 9"x 9" floor tile (red & purple) | 150 square ft. |



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**OMEGA**
ENVIRONMENTAL
SERVICES, INC.

April 9, 2004

Mr. Jacob Bourdeau
Key Environmental
185 Lancaster Street
Suite 304
Portland, ME 04103

**SUBJECT: ASBESTOS SURVEY & ANALYSIS CONDUCTED 03/24/04 OF SUSPECT "ASBESTOS CONTAINING" MATERIALS (ACM) AT 1015-1035 BELLEVILLE TURNPIKE BUILDING #15, KEARNY, NEW JERSEY** {Omega Project #:04-1080-15A}

Project Overview/Scope of Work:

Suspect asbestos containing materials were identified at the above mentioned location; Omega Environmental Services was retained to conduct representative bulk sampling and analysis to confirm the presence/absence of asbestos containing material (ACM) on or in the structure prior to the demolition work.

According to State and Federal asbestos regulations asbestos containing materials (ACM) may only be removed or otherwise impacted by a licensed asbestos abatement Contractor utilizing licensed workers.

Sampling Analysis Protocol:

Representative bulk sampling and analysis of suspect materials was conducted. The samples were submitted to a certified laboratory for PLM analysis.

Asbestos Bulk Sampling & Analysis Results:

Representative bulk sampling and analysis was conducted according to the following:

*165 State Street, Suite A*
*Hackensack, NJ 07601*
*Tel: (201) 489-8700*
*Fax: (201) 342-5415*

| Location | Substrate - Description of ACM | Estimated Quantity |
|---|---|---|
| BUILDING #15 | | |
| Building exterior | Transite (gray) | 56,000 square ft. |

According to EPA definition a material which contains 1% or greater asbestos content is classified as regulated ACM. The materials tested above would be classified as regulated ACM and require removal prior to the onset of demolition work.

If you have any questions regarding this report, please feel free to call my office.

Report approved by:

Geiser Fajardo

Geiser Fajardo
Project Manager



Ω *Omega Environmental Services, Inc. 165 State Street, Suite A • Hackensack, NJ 07601 • Tel: (201) 489-8700 • Fax: (201) 342-5412*

# *BULK ASBESTOS LABORATORY ANALYSIS REPORT*

*[NYS DOH ELAP ID# 10504 NVLAP ID# 101289]*

**CLIENT NAME:** KEY ENVIRONMENTAL
JACOB BOURDEAU
185 LANCASTER STREET
SUITE 304
PORTLAND, ME 04103

**PROJECT/AREA:** MOTHBALL FACTORY
BELLEVILLE PIKE ( BLDG. # 15 )
KEARNY, NJ

**PROJECT #:** 04-1080 - 15

**DATE SAMPLED:** 03/24/04
**ANALYST:** ZL
**DATE RECEIVED:** 03/25/04
**TEST REQUESTED:** BULK ASBESTOS BY PLM
**DATE ANALYZED:** 03/29/04
**METHOD #:** EPA 600/R-93/115
**DATE OF REPORT:** 03/29/04

**** TEM analysis recommended to confirm PLM result***

| SAMPLE ID | LAB ID | SAMPLE LOCATION ROOM / AREA | FIELD DESCRIPTION | LAB DESCRIPTION | ASBESTOS DETECTED? (YES/NO) | %ASBESTOS DETECTED | TYPE OF ASBESTOS DETECTED | PREDOMINANT NON-ASBESTOS COMPONENTS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|
| 03-24-KEY-01 | 23345 | BLDG. # 15 EXTERIOR | TRANSITE | GREY TRANSITE | YES | 35% | CHRYSOTILE | OTHER- 65% | |
| 03-24-KEY-02 | 23346 | BLDG. # 15 EXTERIOR | TRANSITE | GREY TRANSITE | YES | 35% | CHRYSOTILE | OTHER- 65% | |
| 03-24-KEY-03 | 23347 | BLDG. # 15 EXTERIOR | TRANSITE | GREY TRANSITE | YES | 35% | CHRYSOTILE | OTHER- 65% | |
| 03-24-KEY-04 | 23348 | BLDG. # 15 EXTERIOR | WINDOW CAULKING | GREY CAULK | NO | ND | NA | OTHER- 100% | |
| 03-24-KEY-05 | 23349 | BLDG. # 15 EXTERIOR | WINDOW CAULKING | GREY CAULK | NO | ND | NA | OTHER- 100% | |
| 03-24-KEY-06 | 23350 | BLDG. # 15 EXTERIOR | WINDOW CAULKING | GREY CAULK | NO | ND | NA | OTHER- 100% | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

(1.) uncertainty associated with test method = +/- 0.5% by weight
(2.) results relate to items tested only
(3.) lab reports shall not be reproduced except in full, without written approval of the laboratory
(4.) this report shall not be used to claim product endorsement by NVLAP or any agent of the US government



Report Approved By: _____
Laboratory Director or Approved Representative

Ω OMEGA LABORATORIES, INC.
165 State Street, Suite A • Hackensack, NJ 07601 • Tel: (201) 489-8700

**OMEGA**
ENVIRONMENTAL
SERVICES, INC.

April 9, 2004

Mr. Jacob Bourdeau
Key Environmental
185 Lancaster Street
Suite 304
Portland, ME 04103

**SUBJECT: ASBESTOS SURVEY & ANALYSIS CONDUCTED 03//04 OF SUSPECT "ASBESTOS CONTAINING" MATERIALS (ACM) AT 1015-1035 BELLEVILLE TURNPIKE BUILDING #17, KEARNY, NEW JERSEY** {Omega Project #:04-1080-17A}

Project Overview/Scope of Work:

Suspect asbestos containing materials were identified at the above mentioned location; Omega Environmental Services was retained to conduct representative bulk sampling and analysis to confirm the presence/absence of asbestos containing material (ACM) on or in the structure prior to the demolition work.

According to State and Federal asbestos regulations asbestos containing materials (ACM) may only be removed or otherwise impacted by a licensed asbestos abatement Contractor utilizing licensed workers.

Sampling Analysis Protocol:

Representative bulk sampling and analysis of suspect materials was conducted. The samples were submitted to a certified laboratory for PLM analysis.

Asbestos Bulk Sampling & Analysis Results:

Representative bulk sampling and analysis was conducted according to the following:

*165 State Street, Suite A*
*Hackensack, NJ 07601*
*Tel: (201) 489-8700*
*Fax: (201) 342-5412*

| Location | Substrate - Description of ACM | Estimated Quantity |
|---|---|---|
| BUILDING #17 | | |
| Meter Room | Transite | 480 sq.ft. |

According to EPA definition a material which contains 1% or greater asbestos content is classified as regulated ACM. The materials tested above would be classified as regulated ACM and require removal prior to the onset of demolition work.

If you have any questions regarding this report, please feel free to call my office.

Report approved by:

Geiser Fajardo

Geiser Fajardo
Project Manager



Ω *Omega Environmental Services, Inc. 165 State Street, Suite A • Hackensack, NJ 07601 • Tel: (201) 489-8700 • Fax: (201) 342-5412*

# BULK ASBESTOS LABORATORY ANALYSIS REPORT

*[NYS DOH ELAP ID# 10504 NVLAP ID# 101289]*

**CLIENT NAME:** KEY ENVIRONMENTAL
JACOB BOURDEAU
185 LANCASTER STREET
SUITE 304
PORTLAND, ME 04103

**PROJECT/AREA:** MOTHBALL FACTORY
BELLEVILLE PIKE ( BLDG. # 17 )
KEARNY, NJ

**PROJECT #:** 04-1080-17

**DATE SAMPLED:** 03/30/04
**ANALYST:** ZL

**DATE RECEIVED:** 04/08/04
**TEST REQUESTED:**

**DATE ANALYZED:** 04/08/04
**METHOD #:** BULK ASBESTOS BY PLM

**DATE OF REPORT:** 04/12/04
** TEM analysis recommended to confirm PLM result* EPA 600/R-93/116

| SAMPLE ID | LAB ID | SAMPLE LOCATION ROOM / AREA | FIELD DESCRIPTION | LAB DESCRIPTION | ASBESTOS DETECTED? (YES/NO) | %ASBESTOS DETECTED | TYPE OF ASBESTOS DETECTED | PREDOMINANT NON-ASBESTOS COMPONENTS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|
| 03-30-KEY-01 | 23747 | BLDG. # 17 INSIDE BLDG. | WINDOW CAULKING | BEIGE CAULK | NO | ND | NA | OTHER -> 99% | |
| 03-30-KEY-02 | 23748 | BLDG. # 17 INSIDE BLDG. | WINDOW CAULKING | BEIGE CAULK | NO | ND | NA | OTHER -> 99% | |
| 03-30-KEY-03 | 23749 | BLDG. # 17 INSIDE BLDG. | WINDOW CAULKING | BEIGE CAULK | NO | ND | NA | OTHER -> 99% | |
| 03-30-KEY-04 | 23750 | BLDG. # 17 INSIDE BLDG. | ROOF MATL. | BLACK ROOFING | NO | ND | NA | CELLULOSE - 50%, ASPHALT/TAR, OTHER - 50% | |
| 03-30-KEY-05 | 23751 | BLDG. # 17 INSIDE BLDG. | ROOF MATL. | BLACK ROOFING | NO | ND | NA | CELLULOSE - 50%, ASPHALT/TAR, OTHER - 50% | |
| 03-30-KEY-06 | 23752 | BLDG. # 17 INSIDE BLDG. | ROOF MATL. | BLACK ROOFING | NO | ND | NA | CELLULOSE - 50%, ASPHALT/TAR, OTHER - 50% | |
| 03-30-KEY-07 | 23753 | BLDG. # 17 INSIDE BLDG. | ROOF MATL. | BLACK ROOFING | NO | ND | NA | CELLULOSE - 50%, ASPHALT/TAR, OTHER - 50% | |
| 03-30-KEY-08 | 23754 | BLDG. # 17 INSIDE BLDG. | PLASTER TAR COATING | BLACK / GREY CHIP | NO | ND | NA | PAINT, ASPHALT/TAR, OTHER - 100% | |
| 03-30-KEY-09 | 23755 | BLDG. # 17 INSIDE BLDG. | PLASTER TAR COATING | BLACK / GREY CHIP | NO | ND | NA | PAINT, ASPHALT/TAR, OTHER - 100% | |
| 03-30-KEY-10 | 23756 | BLDG. # 17 INSIDE BLDG. | PLASTER TAR COATING | BLACK / GREY CHIP | NO | ND | NA | PAINT, ASPHALT/TAR, OTHER - 100% | |

NOTES:
(1.) uncertainty associated with test method = +/- 0.5% by weight
(2.) results relate to items tested only
(3.) lab reports shall not be reproduced except in full, without written approval of the laboratory
(4.) this report shall not be used to claim product endorsement by NVLAP or any agent of the US government



Report Approved By: _____
Laboratory Director or Approved Representative

OMEGA LABORATORIES, INC.
165 State Street, Suite A • Hackensack, NJ 07601 • Tel: (201) 489-8700

# BULK ASBESTOS LABORATORY ANALYSIS REPORT

[NYS DOH ELAP ID# 10504 NVLAP ID# 101289]

**CLIENT NAME:** KEY ENVIRONMENTAL
JACOB BOURDEAU
185 LANCASTER STREET
SUITE 304
PORTLAND, ME 04103

**PROJECT/AREA:** MOTHBALL FACTORY
BELLEVILLE PIKE ( BLDG. # 17 )
KEARNY, NJ

**PROJECT #:** 04-1080-17
**ANALYST:** ZL
**TEST REQUESTED:**
**METHOD #:** BULK ASBESTOS BY PLM
EPA 600/R-93/116

**DATE SAMPLED:** 03/30/04
**DATE RECEIVED:** 04/08/04
**DATE ANALYZED:** 04/08/04
**DATE OF REPORT:** 04/12/04

** TEM analysis recommended to confirm PLM result*

| SAMPLE ID | LAB ID | SAMPLE LOCATION ROOM / AREA | FIELD DESCRIPTION | LAB DESCRIPTION | ASBESTOS DETECTED? (YES/NO) | %ASBESTOS DETECTED | TYPE OF ASBESTOS DETECTED | PREDOMINANT NON-ASBESTOS COMPONENTS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|
| 03-30-KEY-11 | 23757 | BLDG. # 17 2ND FLOOR | INSULATION METAL | WHITE POWDERY | NO | ND | NA | CARBONATES, QUARTZ, BINDERS-100% | |
| 03-30-KEY-12 | 23758 | BLDG. # 17 2ND FLOOR | INSULATION METAL | WHITE POWDERY | NO | ND | NA | CARBONATES, QUARTZ, BINDERS-100% | |
| 03-30-KEY-13 | 23759 | BLDG. # 17 2ND FLOOR | INSULATION METAL | WHITE POWDERY | NO | ND | NA | CARBONATES, QUARTZ, BINDERS-100% | |
| 03-30-KEY-14 | 23760 | OUTSIDE METER ROOM | TRANSITE PANELS | GREY TRANSITE | YES | 40% | CHRYSOTILE | OTHER - 60% | |
| 03-30-KEY-15 | 23761 | OUTSIDE METER ROOM | TRANSITE PANELS | GREY TRANSITE | YES | 40% | CHRYSOTILE | OTHER - 60% | |
| 03-30-KEY-16 | 23762 | OUTSIDE METER ROOM | TRANSITE PANELS | GREY TRANSITE | YES | 40% | CHRYSOTILE | OTHER - 60% | |
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NOTES:
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(2.) results relate to items tested only
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(4.) this report shall not be used to claim product endorsement by NVLAP or any agent of the US government



Report Approved By: _____
Laboratory Director or Approved Representative

OMEGA LABORATORIES, INC.
165 State Street, Suite A • Hackensack, NJ 07601 • Tel: (201) 489-8700

**OMEGA**
ENVIRONMENTAL
SERVICES, INC.

April 9, 2004

Mr. Jacob Bourdeau
Key Environmental
185 Lancaster Street
Suite 304
Portland, ME 04103

**SUBJECT: ASBESTOS SURVEY & ANALYSIS CONDUCTED 03//04 OF SUSPECT "ASBESTOS CONTAINING" MATERIALS (ACM) AT 1015-1035 BELLEVILLE TURNPIKE BUILDING #18, KEARNY, NEW JERSEY** {Omega Project #:04-1080-18A}

Project Overview/Scope of Work:

Suspect asbestos containing materials were identified at the above mentioned location; Omega Environmental Services was retained to conduct representative bulk sampling and analysis to confirm the presence/absence of asbestos containing material (ACM) on or in the structure prior to the demolition work.

According to State and Federal asbestos regulations asbestos containing materials (ACM) may only be removed or otherwise impacted by a licensed asbestos abatement Contractor utilizing licensed workers.

Sampling Analysis Protocol:

Representative bulk sampling and analysis of suspect materials was conducted. The samples were submitted to a certified laboratory for PLM analysis.

Asbestos Bulk Sampling & Analysis Results:

Representative bulk sampling and analysis was conducted according to the following:

*165 State Street, Suite A*
*Hackensack, NJ 07601*
*Tel: (201) 489-8700*
*Fax: (201) 342-5412*

| Location | Substrate - Description of ACM | Estimated Quantity |
|---|---|---|
| BUILDING #18 | | |
| Exterior siding | Transite panels | 32,000 sq.ft. |
| 7th floor throughout | Pipe insulation (white) | 2,000 ln. ft. |
| 5th floor throughout | Pipe Insulation (white) | |
| 6th floor throughout | Pipe insulation | |
| 6th floor | Tank body insulation (white) | 5,000 sq.ft. |
| 1st floor | (2-layer) tank insulation | 1500 sq ft. |
| 1st floor | Pipe insulation | 3000 sq ft. |

According to EPA definition a material which contains 1% or greater asbestos content is classified as regulated ACM. The materials tested above would be classified as regulated ACM and require removal prior to the onset of demolition work.

If you have any questions regarding this report, please feel free to call my office.

Report approved by:

Geiser Fajardo (AK)

Geiser Fajardo
Project Manager


Ω *Omega Environmental Services, Inc. 165 State Street, Suite A • Hackensack, NJ 07601 • Tel: (201) 489-8700 • Fax: (201) 342-5412*

# *BULK ASBESTOS LABORATORY ANALYSIS REPORT*

*[NYS DOH ELAP ID# 10504 NVLAP ID# 101289]*

**CLIENT NAME:** KEY ENVIRONMENTAL
JACOB BOURDEAU
185 LANCASTER STREET
SUITE 304
PORTLAND, ME 04103

**PROJECT/AREA:** MOTHBALL FACTORY
BELLEVILLE PIKE ( BLDG. # 18 )
KEARNY, NJ

**PROJECT #:** 04-1080-18

**DATE SAMPLED:** 03/24/04
**ANALYST:** ZL
**DATE RECEIVED:** 03/29/04
**TEST REQUESTED:**
**DATE ANALYZED:** 03/29/04
**METHOD #:** BULK ASBESTOS BY PLM
**DATE OF REPORT:** 04/12/04
**** TEM analysis recommended to confirm PLM result*** EPA 600/R-93/116

| SAMPLE ID | LAB ID | SAMPLE LOCATION ROOM / AREA | FIELD DESCRIPTION | LAB DESCRIPTION | ASBESTOS DETECTED? (YES/NO) | %ASBESTOS DETECTED | TYPE OF ASBESTOS DETECTED | PREDOMINANT NON-ASBESTOS COMPONENTS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|
| 03-24-KEY-01 | 23378 | POWER HOUSE BLDG. #18 EXTERIOR WALLS | TRANSITE PANELS | GREY TRANSITE | YES | 25%<br>25% | CHRYSOTILE<br>CROCIDOLITE | OTHER-50% | |
| 03-24-KEY-02 | 23379 | POWER HOUSE BLDG. #18 EXTERIOR WALLS | TRANSITE PANELS | GREY TRANSITE | YES | 25%<br>25% | CHRYSOTILE<br>CROCIDOLITE | OTHER-50% | |
| 03-24-KEY-03 | 23380 | POWER HOUSE BLDG. #18 EXTERIOR WALLS | TRANSITE PANELS | GREY TRANSITE | YES | 25%<br>25% | CHRYSOTILE<br>CROCIDOLITE | OTHER-50% | |
| 03-24-KEY-04 | 23381 | POWER HOUSE BLDG. #18 7TH FL. THROUGHOUT | PIPE | WHITE POWDERY | YES | 25% | CHRYSOTILE | CARBONATES, OTHER - 75% | |
| 03-24-KEY-05 | 23382 | POWER HOUSE BLDG. #18 7TH FL. THROUGHOUT | PIPE | WHITE POWDERY | YES | 25% | CHRYSOTILE | CARBONATES, OTHER - 75% | |
| 03-24-KEY-06 | 23383 | POWER HOUSE BLDG. #18 7TH FL. THROUGHOUT | PIPE | WHITE POWDERY | YES | 25% | CHRYSOTILE | CARBONATES, OTHER - 75% | |
| 03-24-KEY-07 | 23384 | POWER HOUSE BLDG. #18 6TH FL. AND THROUGHOUT | PIPE | GREY FIBROUS | YES | 3%<br>25% | AMOSITE<br>CHRYSOTILE | OTHER-72% | |
| 03-24-KEY-08 | 23385 | POWER HOUSE BLDG. #18 6TH FL. AND THROUGHOUT | PIPE | GREY FIBROUS | YES | 25% | CHRYSOTILE | OTHER-75% | |
| 03-24-KEY-09 | 23386 | POWER HOUSE BLDG. #18 6TH FL. AND THROUGHOUT | PIPE | GREY FIBROUS | YES | 25% | CHRYSOTILE | OTHER-75% | |
| 03-24-KEY-10 | 23387 | POWER HOUSE BLDG. #18 6TH FL. | TANK BODY INSULATION | GREY / WHITE FIBROUS | YES | 30% | CHRYSOTILE | OTHER-70% | |

NOTES: (1.) uncertainty associated with test method = +/- 0.5% by weight
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(3.) lab reports shall not be reproduced except in full, without written approval of the laboratory
(4.) this report shall not be used to claim product endorsement by NVLAP or any agent of the US government



Report Approved By: _____
Laboratory Director or Approved Representative

OMEGA LABORATORIES, INC.
165 State Street, Suite A • Hackensack, NJ 07601 • Tel: (201) 489-8700

# *BULK ASBESTOS LABORATORY ANALYSIS REPORT*

*[NYS DOH ELAP ID# 10504 NVLAP ID# 101289]*

**CLIENT NAME:** KEY ENVIRONMENTAL
JACOB BOURDEAU
185 LANCASTER STREET
SUITE 304
PORTLAND, ME 04103

**PROJECT/AREA:** MOTHBALL FACTORY
BELLEVILLE PIKE ( BLDG. # 18 )
KEARNY, NJ

**PROJECT #:** 04-1080-18

**DATE SAMPLED:** 03/24/04
**ANALYST:** ZL
**DATE RECEIVED:** 03/29/04
**TEST REQUESTED:**
**DATE ANALYZED:** 03/29/04
**METHOD #:** BULK ASBESTOS BY PLM
**DATE OF REPORT:** 04/12/04
**** TEM analysis recommended to confirm PLM result*** EPA 600/R-93/116

| SAMPLE ID | LAB ID | SAMPLE LOCATION ROOM / AREA | FIELD DESCRIPTION | LAB DESCRIPTION | ASBESTOS DETECTED? (YES/NO) | %ASBESTOS DETECTED | TYPE OF ASBESTOS DETECTED | PREDOMINANT NON-ASBESTOS COMPONENTS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|
| 03-24-KEY-11 | 23388 | BLDG. #18 6TH FL. TANK | TANK BODY INSULATION | WHITE POWDERY | YES | 25% | CHRYSOTILE | CARBONATES, OTHER-75% | |
| 03-24-KEY-12 | 23389 | BLDG. #18 6TH FL. TANK | TANK BODY INSULATION | WHITE POWDERY | YES | 25% | CHRYSOTILE | OTHER-75% | |
| 03-24-KEY-13 | 23390 | BLDG. #18 1ST FL. TANK | TANK BODY INSULATION | BEIGE FIBROUS | YES | 35% | CHRYSOTILE | OTHER-65% | |
| 03-24-KEY-14 | 23391 | BLDG. #18 1ST FL. TANK | TANK BODY INSULATION | BEIGE FIBROUS | YES | 35% | CHRYSOTILE | OTHER-65% | |
| 03-24-KEY-15 | 23392 | BLDG. #18 1ST FL. TANK | TANK BODY INSULATION | BEIGE FIBROUS | YES | 35% | CHRYSOTILE | OTHER-65% | |
| 03-24-KEY-16 | 23393 | BLDG. #18 1ST FL. TANK | TANK BODY INSULATION | WHITE POWDERY | YES | 25% | CHRYSOTILE | CARBONATES, OTHER - 75% | |
| 03-24-KEY-17 | 23394 | BLDG. #18 1ST FL. TANK | TANK BODY INSULATION | WHITE POWDERY | YES | 25% | CHRYSOTILE | CARBONATES, OTHER - 75% | |
| 03-24-KEY-18 | 23395 | BLDG. #18 1ST FL. TANK | TANK BODY INSULATION | WHITE POWDERY | YES | 25% | CHRYSOTILE | CARBONATES, OTHER - 75% | |
| 03-24-KEY-19 | 23396 | BLDG. #18 1ST FL. ACM DEBRI | DEBRI ON THE FLOOR | GREY / WHITE POWDERY | YES | 30% 5% | CHRYSOTILE CROCIDOLITE | OTHER-65% | |
| 03-24-KEY-20 | 23397 | BLDG. #18 1ST FL. ACM DEBRI | DEBRI ON THE FLOOR | GREY / BEIGE POWDERY | YES | 30% | CHRYSOTILE | OTHER-70% | |

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Report Approved By: _____
Laboratory Director or Approved Representative

Ω OMEGA LABORATORIES, INC.
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# BULK ASBESTOS LABORATORY ANALYSIS REPORT

[NYS DOH ELAP ID# 10504 NVLAP ID# 101289]

**CLIENT NAME:** KEY ENVIRONMENTAL
JACOB BOURDEAU
185 LANCASTER STREET
SUITE 304
PORTLAND, ME 04103

**PROJECT/AREA:** MOTHBALL FACTORY
BELLEVILLE PIKE ( BLDG. # 18 )
KEARNY, NJ

**PROJECT #:** 04-1080-18

**DATE SAMPLED:** 03/24/04
**ANALYST:** ZL
**DATE RECEIVED:** 03/29/04
**TEST REQUESTED:**
**DATE ANALYZED:** 03/29/04
**METHOD #:** BULK ASBESTOS BY PLM
**DATE OF REPORT:** 04/12/04
** TEM analysis recommended to confirm PLM result* EPA 600/R-93/116

| SAMPLE ID | LAB ID | SAMPLE LOCATION ROOM / AREA | FIELD DESCRIPTION | LAB DESCRIPTION | ASBESTOS DETECTED? (YES/NO) | %ASBESTOS DETECTED | TYPE OF ASBESTOS DETECTED | PREDOMINANT NON-ASBESTOS COMPONENTS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|
| 03-24-KEY-21 | 23398 | BLDG. #18 1ST FL. ACM DEBRI | DEBRI ON THE FLOOR | GREY / BEIGE POWDERY | YES | 30% | CHRYSOTILE | OTHER-70% | |
| 03-24-KEY-22 | 23399 | BLDG. #18 EXTERIOR PIPE BY THE TANK | PIPE INSULATION BLACK PAPER W/ FIBERGLASS | BLACK / BROWN FIBROUS | NO | ND | NA | CELLULOSE -15%, MINERAL WOOL - 50%, ASPHALT/TAR, OTHER - 35% | |
| 03-24-KEY-23 | 23400 | BLDG. #18 EXTERIOR PIPE BY THE TANK | PIPE INSULATION BLACK PAPER W/ FIBERGLASS | BLACK / BROWN FIBROUS | NO | ND | NA | CELLULOSE -15%, MINERAL WOOL - 50%, ASPHALT/TAR, OTHER - 35% | |
| 03-24-KEY-24 | 23401 | BLDG. #18 EXTERIOR PIPE BY THE TANK | PIPE INSULATION BLACK PAPER W/ FIBERGLASS | BLACK / BROWN FIBROUS | NO | ND | NA | CELLULOSE -15%, MINERAL WOOL - 50%, ASPHALT/TAR, OTHER - 35% | |
| 03-24-KEY-25 | 23402 | BLDG. #18 EXTERIOR WINDOW | WINDOW CAULKING | BEIGE CAULK | NO | ND | NA | OTHER-100% | |
| 03-24-KEY-26 | 23403 | BLDG. #18 EXTERIOR WINDOW | WINDOW CAULKING | BEIGE CAULK | NO | ND | NA | OTHER-100% | |
| 03-24-KEY-27 | 23404 | BLDG. #18 EXTERIOR WINDOW | WINDOW CAULKING | BEIGE CAULK | NO | ND | NA | OTHER-100% | |
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(4.) this report shall not be used to claim product endorsement by NVLAP or any agent of the US government



Report Approved By: _____
Laboratory Director or Approved Representative

OMEGA LABORATORIES, INC.
165 State Street, Suite A • Hackensack, NJ 07601 • Tel: (201) 489-8700

**OMEGA**
*ENVIRONMENTAL SERVICES, INC.*

April 9, 2004

Mr. Jacob Bourdeau
Key Environmental
185 Lancaster Street
Suite 304
Portland, ME 04103

**SUBJECT: ASBESTOS SURVEY & ANALYSIS CONDUCTED 03/24/04 OF SUSPECT "ASBESTOS CONTAINING" MATERIALS (ACM) AT 1015-1035 BELLEVILLE TURNPIKE BUILDING #21, KEARNY, NEW JERSEY** {Omega Project #:04-1080-21A}

Project Overview/Scope of Work:

Suspect asbestos containing materials were identified at the above mentioned location; Omega Environmental Services was retained to conduct representative bulk sampling and analysis to confirm the presence/absence of asbestos containing material (ACM) on or in the structure prior to the demolition work.

According to State and Federal asbestos regulations asbestos containing materials (ACM) may only be removed or otherwise impacted by a licensed asbestos abatement Contractor utilizing licensed workers.

Sampling Analysis Protocol:

Representative bulk sampling and analysis of suspect materials was conducted. The samples were submitted to a certified laboratory for PLM analysis.

Asbestos Bulk Sampling & Analysis Results:

Representative bulk sampling and analysis was conducted according to the following:

*165 State Street, Suite A*
*Hackensack, NJ 07601*
*Tel: (201) 489-8700*
*Fax: (201) 342-5412*

| Location | Substrate - Description of ACM | Estimated Quantity |
|---|---|---|
| BUILDING #21 | | |
| Building exterior | Transite shingles | 6500 square ft. |

According to EPA definition a material which contains 1% or greater asbestos content is classified as regulated ACM. The materials tested above would be classified as regulated ACM and require removal prior to the onset of demolition work.

If you have any questions regarding this report, please feel free to call my office.

Report approved by:

Geiser Fajardo

Geiser Fajardo
Project Manager



Ω *Omega Environmental Services, Inc. 165 State Street, Suite A • Hackensack, NJ 07601 • Tel: (201) 489-8700 • Fax: (201) 342-5412*

# *BULK ASBESTOS LABORATORY ANALYSIS REPORT*

*[NYS DOH ELAP ID# 10504 NVLAP ID# 101289]*

**CLIENT NAME:** KEY ENVIRONMENTAL
JACOB BOURDEAU
185 LANCASTER STREET
SUITE 304
PORTLAND, ME 04103

**PROJECT/AREA:** MOTHBALL FACTORY
BELLEVILLE PIKE ( BLDG. # 21 )
KEARNY, NJ

**PROJECT #:** 04-1080 - 21

**DATE SAMPLED:** 03/24/04
**ANALYST:** ZL
**DATE RECEIVED:** 03/25/04
**TEST REQUESTED:** BULK ASBESTOS BY PLM
**DATE ANALYZED:** 03/29/04
**METHOD #:** EPA 600/R-93/115
**DATE OF REPORT:** 03/29/04

**** TEM analysis recommended to confirm PLM result***

| SAMPLE ID | LAB ID | SAMPLE LOCATION ROOM / AREA | FIELD DESCRIPTION | LAB DESCRIPTION | ASBESTOS DETECTED? (YES/NO) | %ASBESTOS DETECTED | TYPE OF ASBESTOS DETECTED | PREDOMINANT NON-ASBESTOS COMPONENTS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|
| 03-24-KEY-01 | 23342 | BLDG. # 21 EXTERIOR | TRANSITE | GREY TRANSITE | YES | 25%<br>25% | AMOSITE,<br>CHRYSOTILE | OTHER-50% | |
| 03-24-KEY-02 | 23343 | BLDG. # 21 EXTERIOR | TRANSITE | GREY TRANSITE | YES | 25%<br>25% | AMOSITE,<br>CHRYSOTILE | OTHER-50% | |
| 03-24-KEY-03 | 23344 | BLDG. # 21 EXTERIOR | TRANSITE | GREY TRANSITE | YES | 25%<br>25% | AMOSITE,<br>CHRYSOTILE | OTHER-50% | |
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(1.) uncertainty associated with test method = +/- 0.5% by weight
(2.) results relate to items tested only
(3.) lab reports shall not be reproduced except in full, without written approval of the laboratory
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Report Approved By: _____
Laboratory Director or Approved Representative

OMEGA LABORATORIES, INC.
165 State Street, Suite A • Hackensack, NJ 07601 • Tel: (201) 489-8700

**OMEGA**
**ENVIRONMENTAL SERVICES, INC.**

April 12, 2004

Mr. Jacob Bourdeau
Key Environmental
185 Lancaster Street
Suite 304
Portland, ME 04103

**SUBJECT: LEAD BASED PAINT (LBP) ASSESSMENT CONDUCTED 3/24/04 AT 1015-1035 BELLEVILLE TURNPIKE BUILDING #15, KEARNY, NEW JERSEY**
{Omega Project #:04-1080-15L}

On March 24, 2004 Omega Environmental Services performed a lead based paint (LBP) assessment including collection of representative bulk paint samples from exterior wall surfaces at 1015-1035 Belleville Turnpike, Kearny, New Jersey Building #15 which is scheduled to undergo demolition.

Applicable Standard:

According to the Department of Health and HUD guidelines, paint which contains 0.5% lead content or greater is classified as regulated lead-based paint (LBP). The TCLP of standard of 5 mg/l would apply to hazardous waste classification in terms of demolition debris (if not exempt). The total lead in soil standard 400ppm applies to exposed soil.

*[OSHA lead in construction standard (29CFR1926.26) compliance]*

It should be noted that since OSHA does not acknowledge extra pollution of an air sample concentration from a bulk paint test result, task-specific lead exposure assessment may still be required regardless of bulk paint concentration.

Visual Inspection:

During the visual inspection conducted 3/30/04 the following was noted:

- Bolts anchoring transite panels are covered with lead

Representative Bulk Paint Sampling & Analysis Conducted 3/24/04:

| Sample ID | Sampling Location | Result (% wt.) |
|---|---|---|
| 3-24-KEY-01L | Interior metal beams 1st floor | 6.40 |
| 3-24-KEY-02L | Interior metal beams 1st floor | 6.30 |
| 3-24-KEY-03L | Interior metal beams 1st floor | 6.70 |
| 3-24-KEY-04L | Interior metal beams 2nd floor | 6.70 |

*165 State Street, Suite A*
*Hackensack, NJ 07601*
*Tel: (201) 489-8700*
*Fax: (201) 342-5412*

| | | |
|---|---|---|
| 3-24-KEY-05L | Interior metal beams 2nd floor | 6.40 |
| 3-24-KEY-06L | Interior metal beams 2nd floor | 6.90 |
| 3-24-KEY-07L | Interior metal beams 3rd floor | 9.20 |
| 3-24-KEY-08L | Interior metal beams 3rd floor | 12.00 |
| 3-24-KEY-09L | Interior metal beams 3rd floor | 9.80 |

Summary:

The Paint found on the interior metal beams was found to contain high concentrations of lead.

If you have any questions regarding this report, please contact our office at your convenience.

Sincerely,

Geiser Fajardo

Geiser Fajardo
Project Manager



Ω *Omega Environmental Services, Inc. 165 State Street, Suite A • Hackensack, NJ 07601 • Tel: (201) 489-8700 • Fax: (201) 342-5412*

EMSL Analytical, Inc.
307 West 38th Street, New York, NY 10018
Phone: (212) 290-0051 Fax: (212) 290-0058 Email: manhattanlab@emsl.com

EMSL

Attn: Alberto Fajardo
Omega Environmental Services
165 State Street
Suite A
Hackensack, NJ 07601
Fax: (201) 489-8797 Phone: (201) 489-8700
Project: 04-1080-15L-KEY ENV.

Customer ID: OMEG50
Customer PO:
Received: 03/30/04 10:41 AM

EMSL Order: 030404875
EMSL Proj.:

## Lead In Paint Chips by Flame AAS (SW 846, 7420)

| Client Sample Description | | Lab ID | Analyzed | Lead Concentration |
|---|---|---|---|---|
| L-1 | BLDG. #15/ INTERIOR METAL BEAMS/1ST FLOOR | 0001 | 4/2/04 | 6.40 % wt |
| L-2 | BLDG. #15/ INTERIOR METAL BEAMS/1ST FLOOR | 0002 | 4/2/04 | 6.30 % wt |
| L-3 | BLDG. #15/ INTERIOR METAL BEAMS/1ST FLOOR | 0003 | 4/2/04 | 6.70 % wt |
| L-4 | BLDG. #15/ INTERIOR METAL BEAMS/2ND FLOOR | 0004 | 4/2/04 | 8.70 % wt |
| L-5 | BLDG. #15/ INTERIOR METAL BEAMS/2ND FLOOR | 0005 | 4/2/04 | 6.40 % wt |
| L-6 | BLDG. #15/ INTERIOR METAL BEAMS/2ND FLOOR | 0006 | 4/2/04 | 6.90 % wt |
| L-7 | BLDG. #15/ INTERIOR METAL BEAMS/3RD FLOOR | 0007 | 4/2/04 | 9.20 % wt |
| L-8 | BLDG. #15/ INTERIOR METAL BEAMS/3RD FLOOR | 0008 | 4/2/04 | 12.00 % wt |
| L-9 | BLDG. #15/ INTERIOR METAL BEAMS/3RD FLOOR | 0009 | 4/2/04 | 9.80 % wt |

M. Apfelbaufer

Laboratory Manager
or other approved signatory

Reporting limit is 0.01 % wt. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA, unless specifically indicated otherwise in the comment section.
ACCREDITATIONS: AIHA Environmental Lead Laboratory Approval Program #102581

Date Printed: 4/2/04 7:22:38 AM

**OMEGA**
**ENVIRONMENTAL SERVICES, INC.**

April 12, 2004

Mr. Jacob Bourdeau
Key Environmental
185 Lancaster Street
Suite 304
Portland, ME 04103

**SUBJECT: LEAD BASED PAINT (LBP) ASSESSMENT CONDUCTED 3/24/04 AT 1015-1035 BELLEVILLE TURNPIKE BUILDING #18, KEARNY, NEW JERSEY**
{Omega Project #:04-1080-18L}

On March 24, 2004 Omega Environmental Services performed a lead based paint (LBP) assessment including collection of representative bulk paint samples from exterior wall surfaces at 1015-1035 Belleville Turnpike, Kearny, New Jersey Building #18 which is scheduled to undergo demolition.

Applicable Standard:

According to the Department of Health and HUD guidelines, paint which contains 0.5% lead content or greater is classified as regulated lead-based paint (LBP). The TCLP of standard of 5 mg/l would apply to hazardous waste classification in terms of demolition debris (if not exempt). The total lead in soil standard 400ppm applies to exposed soil.

*[OSHA lead in construction standard (29CFR1926.26) compliance]*

It should be noted that since OSHA does not acknowledge extra pollution of an air sample concentration from a bulk paint test result, task-specific lead exposure assessment may still be required regardless of bulk paint concentration.

Visual Inspection:

During the visual inspection conducted 3/17/04 the following was noted:

- Bolts anchoring transite panels are covered with lead

Representative Bulk Paint Sampling & Analysis Conducted 3/24/04:

| Sample ID | Sampling Location | Result (% wt.) |
|---|---|---|
| 3-24-KEY-01L | 1st Door column | 3.50 |
| 3-24-KEY-02L | 1st Door column | 2.60 |
| 3-24-KEY-03L | 1st Door column | 4.30 |
| 3-24-KEY-04L | Beams | 3.20 |
| 3-24-KEY-05L | Beams | 3.40 |
| 3-24-KEY-06L | Beams | 4.20 |

*165 Main Street, Suite A*
*Hackensack, NJ 07601*
*Tel: (201) 489-8700*
*Fax: (201) 342-5412*

Summary:

The Paint found on the beams and door columns was found to contain high concentrations of lead. While the primer coating tested was found to contain a low level concentration, the cutting of bolts anchoring transite panels would still be classified as "Potential Lead Hazardous" work.

If you have any questions regarding this report, please contact our office at your convenience.

Sincerely,

Geiser Fajardo

Geiser Fajardo
Project Manager


Ω *Omega Environmental Services, Inc. 165 State Street, Suite A • Hackensack, NJ 07601 • Tel: (201) 489-8700 • Fax: (201) 342-5412*

**OMEGA**
**ENVIRONMENTAL SERVICES, INC.**

April 12, 2004

Mr. Jacob Bourdeau
Key Environmental
185 Lancaster Street
Suite 304
Portland, ME 04103

**SUBJECT: LEAD BASED PAINT (LBP) ASSESSMENT CONDUCTED 3/24/04 AT 1015-1035 BELLEVILLE TURNPIKE BUILDING #21, KEARNY, NEW JERSEY**
{Omega Project #:04-1080-21L}

On March 24, 2004 Omega Environmental Services performed a lead based paint (LBP) assessment including collection of representative bulk paint samples from exterior wall surfaces at 1015-1035 Belleville Turnpike, Kearny, New Jersey Building #21 which is scheduled to undergo demolition.

Applicable Standard:

According to the Department of Health and HUD guidelines, paint which contains 0.5% lead content or greater is classified as regulated lead-based paint (LBP). The TCLP of standard of 5 mg/l would apply to hazardous waste classification in terms of demolition debris (if not exempt). The total lead in soil standard 400ppm applies to exposed soil.

*[OSHA lead in construction standard (29CFR1926.26) compliance]*

It should be noted that since OSHA does not acknowledge extra pollution of an air sample concentration from a bulk paint test result, task-specific lead exposure assessment may still be required regardless of bulk paint concentration.

Visual Inspection:

During the visual inspection conducted 3/24/04 the following was noted:

- Bolts anchoring transite panels are covered with lead

Representative Bulk Paint Sampling & Analysis Conducted 3/24/04:

| Sample ID | Sampling Location | Result (% wt.) |
|---|---|---|
| 3-24-KEY-01L | Interior beam columns | 10.00 |
| 3-24-KEY-02L | Interior beam columns | 9.80 |
| 3-24-KEY-03L | Interior beam columns | 9.60 |

*165 State Street, Suite A*
*Hackensack, NJ 07601*
*Tel: (201) 489-8700*
*Fax: (201) 342-5412*

Summary:

The Paint found on the interior beam columns was found to contain high concentrations of lead. While the primer coating tested was found to contain a low level concentration, the cutting of bolts anchoring transite panels would still be classified as "Potential Lead Hazardous" work.

If you have any questions regarding this report, please contact our office at your convenience.

Sincerely,

Geiser Fajardo
Project Manager


Ω *Omega Environmental Services, Inc. 165 State Street, Suite A • Hackensack, NJ 07601 • Tel: (201) 489-8700 • Fax: (201) 342-5412*

EMSL Analytical, Inc.
107 West 38th Street New York, NY 10018
Phone: (212) 290-0051 Fax: (212) 290-0056 Email: manhattanlab@emsl.com

EMSL

Attn: Alberto Fajardo
Omega Environmental Services
165 State Street
Suite A
Hackensack, NJ 07601

Fax: (201) 489-8797 Phone: (201) 489-8700

Project: 04-1080-21L-KEY ENV.

Customer ID: OMEG50
Customer PO:
Received: 03/30/04 10:43 AM

EMSL Order 030404870
EMSL Proj:

## Lead in Paint Chips by Flame AAS (SW 846, 7420)

| Client Sample Description | | Lab ID | Analyzed | Lead Concentration |
|---|---|---|---|---|
| L-1 | BLDG. #21/ INTERIOR BEAMS COLUMNS | 0001 | 4/2/04 | 10.00 % wt |
| L-2 | BLDG. #21/ INTERIOR BEAMS COLUMNS | 0002 | 4/2/04 | 9.80 % wt |
| L-3 | BLDG. #21/ INTERIOR BEAMS COLUMNS | 0003 | 4/2/04 | 9.60 % wt |

M. Apfelbarfer

Laboratory Manager
or other approved signatory

Reporting limit is 0.01 % wt. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA, unless specifically indicated otherwise in the comment section.
ACCREDITATIONS: AIHA Environmental Lead Laboratory Approval Program: #19238

Date Printed: 4/2/04 7:48:16 AM

**OMEGA**
**ENVIRONMENTAL SERVICES, INC.**

April 12, 2004

Mr. Jacob Bourdeau
Key Environmental
185 Lancaster Street
Suite 304
Portland, ME 04103

**SUBJECT: 1035 BELLEVILLE TURNPIKE, KEARNY, NJ – SUMMARY REPORT FOR POTENTIAL ADDITIONAL NON-ASBESTOS ISSUES IDENTIFIED (PCB-CONTAINING BALLASTS, MOLD, PIGEON DROPPINGS, MERCURY GAUGES, STRUCTURAL HAZARDS, & MISCELLANEOUS ITEMS)**
{Omega Project #: 04-1080}

Project Overview/Scope of Work:

Omega Environmental Services was retained to perform pre-demolition asbestos and lead surveys in 23 buildings at the above listed site – see *Asbestos & Lead Survey Reports* submitted under separate cover.

In conjunction with the site walk-throughs conducted for the asbestos/lead survey scope of work, various other potential environmental issues were identified which have been summarized below.

It should be noted that certain issues such as lead coating(s) on transite bolts and structurally unsound roofs should be assumed to be present throughout.

| BUILDING#/DESCRIPTION | POTENTIAL ISSUE OF CONCERN | STATUS |
|---|---|---|
| BUILDING #1:<br><br>Maintained occupied building | Visible mold growth identified @ 1st/2nd floor - northwest corner | (Occupied status) – remove or isolate visible mold growth (Demolition phase) - not a major issue of concern contingent upon proper worker health & safety and avoidance of direct worker contact |
| BUILDING #2:<br><br>Brick building with collapsed roof | Visible mold growth & animal droppings throughout | Implement proper worker health & safety and avoid direct contact with potentially hazardous materials |

*165 State Street, Suite A*
*Hackensack, NJ 07601*
*Tel: (201) 489-8700*
*Fax: (201) 342-5413*

| | | |
|---|---|---|
| | Universal (Catalogue # 446 STF) light fixture ballast | Research catalogue# - if found to be PCB-containing, source separate* PCB liquid, drum and retain approved PCB recycling contractor |
| | Lead drains in lab room | Source separate* & package for recycling |
| BUILDING #4:<br><br>Exposed to the elements | Visible mold growth | (Demolition phase) – not a major issue of concern contingent upon proper worker health & safety and avoidance of direct worker contact |
| BUILDING #5:<br><br>Warehouse with some remaining equipment | Check for live electrical (boxes, transformers) | De-activate prior to proceeding |
| | Lead drains attached to counter tops | Source separate* |
| BUILDING #6:<br><br>Approximate 55ft.x 60ft. building with collapsed roof & extensive roof debris inside and around exterior at ground level | Building appears to be structurally unsound – no worker roof access | Obtain variance to demolish roof and separate asbestos-containing materials on ground where applicable |
| BUILDING #7:<br><br>Approximate 110ft. x 50ft. fire-damaged building with collapsed roof + extensive debris | Building appears to be structurally unsound – no worker roof access | Obtain variance to demolish roof and separate asbestos-containing materials on ground where applicable |
| | Lead flashing around windows | Source separate* and package for recycling |
| BUILDING #8:<br><br>Approximate 80ft. x 50ft. building with collapsed roof + roof debris at ground level | Building appears to be structurally unsound – no worker roof access | Obtain variance to demolish roof and separate asbestos-containing materials on ground where applicable |
| BUILDING #9:<br><br>Approximate 50ft. x 25ft. building with collapsed west wall + roof debris | Building appears to be structurally unsound – no worker roof access | Obtain variance to demolish roof and separate asbestos-containing materials on ground where applicable |
| BUILDING #10:<br><br>Approximate 28ft. x 21ft. brick building with open garage | Hi-lo required to access roof | - |
| BUILDING #11: | Check for live electrical (boxes, transformers) | De-activate prior to proceeding |
| | Pigeon droppings throughout 2nd floor | Implement proper worker health & safety and avoid direct worker contact |
| | Bolts covered with lead | Do not torch cut |
| BUILDING #14:<br><br>Approximate 20ft. x 32ft. collapsed wooden building | Building appears to be structurally unsound – no worker roof access | Obtain variance to demolish roof and separate asbestos-containing materials on ground where applicable |
| BUILDING #18: | Lead window & door trim | Source separate* and package for recycling |



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| | | |
|---|---|---|
| Process building with dirt floor | Mercury thermostat (2nd floor) | Source separate* and package for recycling |
| | Lead on exterior transite bolts | Do not torch cut |
| BUILDING #19:<br><br>Brick building with roof debris on floor | Building appears to be structurally unsound – no worker roof access | Obtain variance to demolish roof and separate asbestos-containing materials on ground where applicable |
| BUILDING #20:<br><br>Approximate 40ft. x 86ft. brick building | Building appears to be structurally unsound – no worker roof access | Obtain variance to demolish roof and separate asbestos-containing materials on ground where applicable |
| BUILDING #21:<br><br>Approximate 38ft. x 18ft. building with transite siding | Lead door frame | Source separate* and package for recycling |
| | Lead on exterior transite bolts | Do not torch cut |
| Note: the term "source separate" refers to removal of a regulated material from the demolition debris pile in order to avoid a cross-contamination/mixed-waste issue that may result in additional disposal costs | | |

If you have any questions regarding this report, please contact our office at (201)489-8700.

Sincerely,

Veronica Kero (VK)

Veronica Kero, CIH, P.E.



Ω *Omega Environmental Services, Inc., 165 State St., Suite A, Hackensack, NJ 07601 - Tel: (201) 489-8700 - Fax: (201) 342-5412*

*OMEGA*
*ENVIRONMENTAL*
*SERVICES, INC.*

January 20, 2010

Jacob Bourdeau
Key Environmental
200 Third Avenue
Carnegie, PA 15106

**Subject: (Standard Chlorine Buildings #1 through 23) – Sampling of Representative Window Caulk and Glaze Materials for PCBs** *{Omega Project #: 09-1353}*

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*Attachments:*

- *EMSL laboratory analysis report*
- *Site photos*

Project Summary:

In order to prepare for proposed building demolition at the Standard Chlorine Chemical Company (SCCC) located in Kearney, NJ, representative sample collection and analysis was performed for PCBs in window caulk and glaze materials. The objective of this sampling is to pre-assess the materials for disposal purposes.

**No sample results above EPA criterion of 50 mg/kg (total PCBs) for PCBs were identified.**

Sample Collection Method(s):

Window caulk and glaze samples were collected in 4oz jars and submitted to a certified lab for EPA Method 3540C/8082 analysis.


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Sample Results for PCBs (Arochlors):

| Sample Number<br>Location Substrate Tested | Parameter Detected | Concentration Reported (mg/kg) | EPA Criterion mg/kg |
|---|---|---|---|
| Sample # P1<br>B-16, Bldg # 16<br>Window Caulking Glazing | All Aroclors < 0.95 | | 50 |
| Sample # P3<br>B-15, Bldg # 15<br>Window Caulking Glazing | All Aroclors < 0.69 | | 50 |
| Sample # P5<br>B-19, Bldg # 19<br>Window Caulking Glazing | All Aroclors < 0.67 | | 50 |
| Sample # P7<br>B-20, Bldg # 20<br>Window Caulking Glazing | All Aroclors < 0.76 | | 50 |
| Sample # P9<br>B-18, Bldg # 18<br>Window Caulking Glazing | Aroclor 1248 | 1.3 | 50 |
| | All other Aroclors < 0.98 | | 50 |
| Sample # P11<br>B-17, Bldg # 17<br>Window Caulk | All Aroclors < 0.91 | | 50 |
| Sample # P15<br>B-9, Bldg # 9<br>Window Glazing | All Aroclors < 0.99 | | 50 |
| Sample # P19<br>B-8, Bldg # 8<br>Window Caulking/Glazing | Aroclor 1254 | 2.1 | 50 |
| | All Aroclors < 0.97 | | 50 |
| Sample # P21<br>B-7, Bldg # 7<br>Window Caulking | All Aroclors < 0.78 | | 50 |
| Sample # P13<br>B-14, Bldg # 14 | All Aroclors < 0.97 | | 50 |
| Sample # P17<br>B-10, Bldg # 9 | All Aroclors < 0.78 | | 50 |
| Sample #P23<br>B-1, Bldg #1 | All Aroclors < 0.53 | | 50 |
| Sample #P25<br>B-2, Bldg #2 | All Aroclors < 1.0 | | 50 |
| Sample #P27<br>B-4, Bldg #4 | Aroclors 1254 | 7.3 | 50 |
| Sample #P29<br>B-3, Bldg #3 | Aroclors 1254 | 42 | 50 |
| Sample #P31<br>B-5, Bldg #5 | All Aroclors < 3.7 | | 50 |


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| Sample Number<br>Location Substrate Tested | Parameter Detected | Concentration Reported (mg/kg) | EPA Criterion mg/kg |
|---|---|---|---|
| Sample #P33<br>B-26, Bldg #23 | All Aroclors < 0.97 | | 50 |

Data Interpretation:

**All finalized results are below a PCB level of 50 mg/kg.**

If you have any questions regarding this proposal please do not hesitate to contact our office at 201.489.8700.

Sincerely,

David Ekstrand


Ω *Omega Environmental Services, Inc. 280 Huyler Street • South Hackensack, NJ 07606 • Tel: (201) 489-8700 • Fax: (201)342-5412*

Building #20 Roof openings

Building #15 Exterior transite panels


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Building #16 Window caluking ACM (asbestos containing material)

Building #16 Transite roof


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Building #20 Exterior view ACM window caulking glazing

Building #18 ACM pipe insulation heavily damaged


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Building #18 ACM pipe insulation heavily damaged

Building #18 Exterior felt wrap pipe insulation non-ACM


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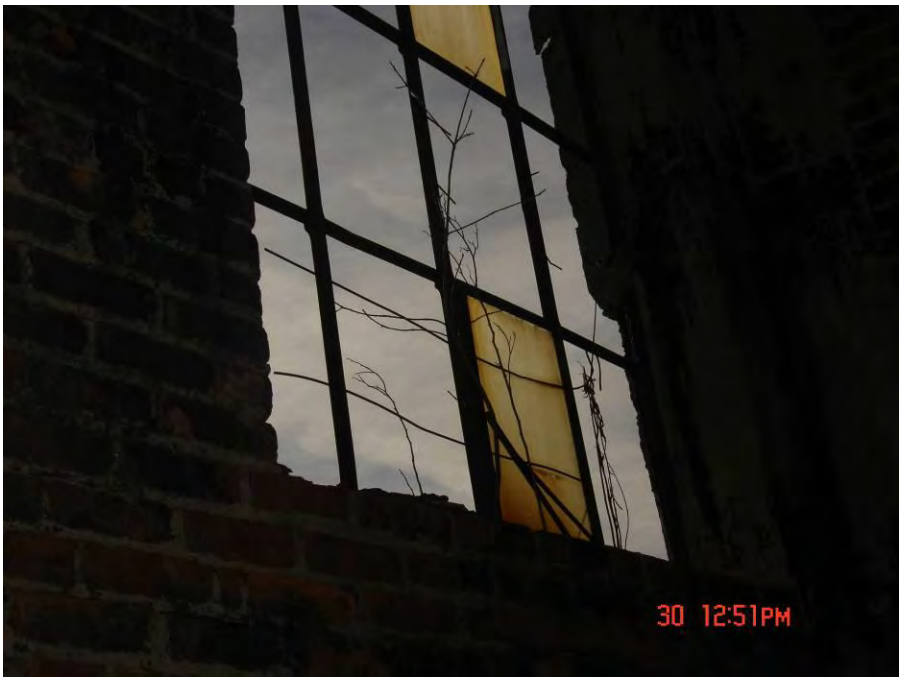
Building #21 Transite panels




Building #17 window caulking/glazing ACM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Building #17 ACM debris wall penetration

Building #18 Window caulking/glazing ACM


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Building #18 View transite panels

Building #9 ACM window caulking/glazing ACM caulking between metal panel


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Building #17 ACM window caulking/glazing

Building #1 Concealed ACM 1" pipe insulation (1st floor)


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ACM 12x12 floor tile and mastic under floor carpet and padding

Fire hydrant shed non-ACM asphalt roof shingle


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Building #9 Exterior

Building #1 ACM window caulking/glazing


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Building #2 ACM window caulking/glazing

Building #2 Exterior view


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Building #2 ACM window caulking/glazing

Building #4 ACM window caulking/glazing


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Building #4 Exterior view

Building #3 Non-ACM window caulking/glazing


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Building #5 Roof openings

Building #5 Roof openings


Ω *Omega Environmental Services, Inc. 280 Huyler Street • South Hackensack, NJ 07606 • Tel: (201) 489-8700 • Fax: (201)342-5412*

Building #5 Collapsed roof

Building #5 Collapsed roof


Ω *Omega Environmental Services, Inc. 280 Huyler Street • South Hackensack, NJ 07606 • Tel: (201) 489-8700 • Fax: (201)342-5412*

Building #21 2nd floor view

Building #5 Window caulking/glazing ACM


Ω *Omega Environmental Services, Inc. 280 Huyler Street • South Hackensack, NJ 07606 • Tel: (201) 489-8700 • Fax: (201)342-5412*

Building #21 Concrete roof

Building #21 Concrete roof


Ω *Omega Environmental Services, Inc. 280 Huyler Street • South Hackensack, NJ 07606 • Tel: (201) 489-8700 • Fax: (201)342-5412*

Building #20 Window caulking debris

Building #19 Window caulking debris


Ω *Omega Environmental Services, Inc. 280 Huyler Street • South Hackensack, NJ 07606 • Tel: (201) 489-8700 • Fax: (201)342-5412*

EMSL Analytical, Inc.
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

Attn: **Geiser Fajardo**
**Omega Environmental Services**
**280 Huyler Street**
**South Hackensack, NJ 07606**

Fax: (201) 489-8797 Phone: (201) 489-8700
Project: **09-1353, Key Env**

Customer ID: OMEG50
Customer PO:
Received: 01/04/10 9:01 AM
EMSL Order: 011000005
EMSL Proj:

# Test Report

*Client Sample Description* P1 *Collected:* 12/30/2009 *Lab ID:* 0001
B-16, Bldg #16 Window Caulking Glazing

| Method | Parameter | Concentration | Reporting Limit | Units | Analysis Date | Analyst |
|---|---|---|---|---|---|---|
| 3540C/8082 | Aroclor-1016 | <0.95 | 0.95 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1221 | <0.95 | 0.95 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1232 | <0.95 | 0.95 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1242 | <0.95 | 0.95 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1248 | <0.95 | 0.95 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1254 | <0.95 | 0.95 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1260 | <0.95 | 0.95 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1262 | <0.95 | 0.95 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1268 | <0.95 | 0.95 | mg/Kg | 1/7/2010 | ehernandez |

*Client Sample Description* P3 *Collected:* 12/30/2009 *Lab ID:* 0003
B-15, Bldg #15 Window Caulking Glazing

| Method | Parameter | Concentration | Reporting Limit | Units | Analysis Date | Analyst |
|---|---|---|---|---|---|---|
| 3540C/8082 | Aroclor-1016 | <0.69 | 0.69 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1221 | <0.69 | 0.69 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1232 | <0.69 | 0.69 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1242 | <0.69 | 0.69 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1248 | <0.69 | 0.69 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1254 | <0.69 | 0.69 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1260 | <0.69 | 0.69 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1262 | <0.69 | 0.69 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1268 | <0.69 | 0.69 | mg/Kg | 1/7/2010 | ehernandez |

*Client Sample Description* P5 *Collected:* 12/30/2009 *Lab ID:* 0005
B-19, Bldg #19 Window Caulking Glazing

| Method | Parameter | Concentration | Reporting Limit | Units | Analysis Date | Analyst |
|---|---|---|---|---|---|---|
| 3540C/8082 | Aroclor-1016 | <0.67 | 0.67 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1221 | <0.67 | 0.67 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1232 | <0.67 | 0.67 | mg/Kg | 1/7/2010 | ehernandez |

Samples analyzed by EMSL Analytical, Inc. Westmont 3 Cooper St., Westmont NJ

EMSL Analytical, Inc.
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

Attn: **Geiser Fajardo**
**Omega Environmental Services**
**280 Huyler Street**
**South Hackensack, NJ 07606**

Fax: (201) 489-8797 Phone: (201) 489-8700
Project: **09-1353, Key Env**

Customer ID: OMEG50
Customer PO:
Received: 01/04/10 9:01 AM
EMSL Order: 011000005

EMSL Proj:

# Test Report

*Client Sample Description* P5 *Collected:* 12/30/2009 *Lab ID:* *0005*
B-19, Bldg #19 Window Caulking Glazing

| *Method* | *Parameter* | *Concentration* | *Reporting Limit* | *Units* | *Analysis Date* | *Analyst* |
|---|---|---|---|---|---|---|
| 3540C/8082 | Aroclor-1242 | <0.67 | 0.67 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1248 | <0.67 | 0.67 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1254 | <0.67 | 0.67 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1260 | <0.67 | 0.67 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1262 | <0.67 | 0.67 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1268 | <0.67 | 0.67 | mg/Kg | 1/7/2010 | ehernandez |

*Client Sample Description* P7 *Collected:* 12/30/2009 *Lab ID:* *0007*
B-20, Bldg #20 Window Caulking Glazing

| *Method* | *Parameter* | *Concentration* | *Reporting Limit* | *Units* | *Analysis Date* | *Analyst* |
|---|---|---|---|---|---|---|
| 3540C/8082 | Aroclor-1016 | <0.76 | 0.76 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1221 | <0.76 | 0.76 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1232 | <0.76 | 0.76 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1242 | <0.76 | 0.76 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1248 | <0.76 | 0.76 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1254 | <0.76 | 0.76 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1260 | <0.76 | 0.76 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1262 | <0.76 | 0.76 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1268 | <0.76 | 0.76 | mg/Kg | 1/7/2010 | ehernandez |

*Client Sample Description* P9 *Collected:* 12/30/2009 *Lab ID:* *0009*
B-18, Bldg #18 Window Caulking Glazing

| *Method* | *Parameter* | *Concentration* | *Reporting Limit* | *Units* | *Analysis Date* | *Analyst* |
|---|---|---|---|---|---|---|
| 3540C/8082 | Aroclor-1016 | <0.98 | 0.98 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1221 | <0.98 | 0.98 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1232 | <0.98 | 0.98 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1242 | <0.98 | 0.98 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1248 | 1.3 | 0.98 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1254 | <0.98 | 0.98 | mg/Kg | 1/7/2010 | ehernandez |

Samples analyzed by EMSL Analytical, Inc. Westmont 3 Cooper St., Westmont NJ

EMSL Analytical, Inc.
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

Attn: **Geiser Fajardo**
**Omega Environmental Services**
**280 Huyler Street**
**South Hackensack, NJ 07606**

Fax: (201) 489-8797 Phone: (201) 489-8700
Project: **09-1353, Key Env**

Customer ID: OMEG50
Customer PO:
Received: 01/04/10 9:01 AM
EMSL Order: 011000005

EMSL Proj:

# Test Report

*Client Sample Description* P9 *Collected:* 12/30/2009 *Lab ID:* 0009
B-18, Bldg #18 Window Caulking Glazing

| Method | Parameter | Concentration | Reporting Limit | Units | Analysis Date | Analyst |
|---|---|---|---|---|---|---|
| 3540C/8082 | Aroclor-1260 | <0.98 | 0.98 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1262 | <0.98 | 0.98 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1268 | <0.98 | 0.98 | mg/Kg | 1/7/2010 | ehernandez |

*Client Sample Description* P11 *Collected:* 12/30/2009 *Lab ID:* 0011
B-17, Bldg #17 Window Caulk

| Method | Parameter | Concentration | Reporting Limit | Units | Analysis Date | Analyst |
|---|---|---|---|---|---|---|
| 3540C/8082 | Aroclor-1016 | <0.91 | 0.91 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1221 | <0.91 | 0.91 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1232 | <0.91 | 0.91 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1242 | <0.91 | 0.91 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1248 | <0.91 | 0.91 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1254 | <0.91 | 0.91 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1260 | <0.91 | 0.91 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1262 | <0.91 | 0.91 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1268 | <0.91 | 0.91 | mg/Kg | 1/7/2010 | ehernandez |

*Client Sample Description* P15 *Collected:* 12/30/2009 *Lab ID:* 0013
B-9, Bldg #9 Window Glazing

| Method | Parameter | Concentration | Reporting Limit | Units | Analysis Date | Analyst |
|---|---|---|---|---|---|---|
| 3540C/8082 | Aroclor-1016 | <0.99 | 0.99 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1221 | <0.99 | 0.99 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1232 | <0.99 | 0.99 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1242 | <0.99 | 0.99 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1248 | <0.99 | 0.99 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1254 | <0.99 | 0.99 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1260 | <0.99 | 0.99 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1262 | <0.99 | 0.99 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1268 | <0.99 | 0.99 | mg/Kg | 1/7/2010 | ehernandez |

Samples analyzed by EMSL Analytical, Inc. Westmont 3 Cooper St., Westmont NJ

EMSL Analytical, Inc.
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

Attn: **Geiser Fajardo**
**Omega Environmental Services**
**280 Huyler Street**
**South Hackensack, NJ 07606**

Fax: (201) 489-8797 Phone: (201) 489-8700
Project: **09-1353, Key Env**

Customer ID: OMEG50
Customer PO:
Received: 01/04/10 9:01 AM
EMSL Order: 011000005

EMSL Proj:

# Test Report

*Client Sample Description* P19 *Collected:* 12/30/2009 *Lab ID:* 0015
B-8, Bldg #8 Window Caulking/Glazing

| *Method* | *Parameter* | *Concentration* | *Reporting Limit* | *Units* | *Analysis Date* | *Analyst* |
|---|---|---|---|---|---|---|
| 3540C/8082 | Aroclor-1016 | <0.97 | 0.97 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1221 | <0.97 | 0.97 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1232 | <0.97 | 0.97 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1242 | <0.97 | 0.97 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1248 | <0.97 | 0.97 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1254 | 2.1 | 0.97 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1260 | <0.97 | 0.97 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1262 | <0.97 | 0.97 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1268 | <0.97 | 0.97 | mg/Kg | 1/7/2010 | ehernandez |

*Client Sample Description* P21 *Collected:* 12/30/2009 *Lab ID:* 0017
B-7, Bldg #7 Window Caulking

| *Method* | *Parameter* | *Concentration* | *Reporting Limit* | *Units* | *Analysis Date* | *Analyst* |
|---|---|---|---|---|---|---|
| 3540C/8082 | Aroclor-1016 | <0.78 | 0.78 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1221 | <0.78 | 0.78 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1232 | <0.78 | 0.78 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1242 | <0.78 | 0.78 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1248 | <0.78 | 0.78 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1254 | <0.78 | 0.78 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1260 | <0.78 | 0.78 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1262 | <0.78 | 0.78 | mg/Kg | 1/7/2010 | ehernandez |
| 3540C/8082 | Aroclor-1268 | <0.78 | 0.78 | mg/Kg | 1/7/2010 | ehernandez |

Samples analyzed by EMSL Analytical, Inc. Westmont 3 Cooper St., Westmont NJ

EMSL Analytical, Inc.
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

Attn: **Geiser Fajardo**
**Omega Environmental Services**
**280 Huyler Street**
**South Hackensack, NJ 07606**

Fax: (201) 489-8797 Phone: (201) 489-8700
Project: **09-1353**

Customer ID: OMEG50
Customer PO:
Received: 01/05/10 11:35 AM
EMSL Order: 011000032

EMSL Proj:

# Test Report

*Client Sample Description* P13
B-14, Bldg #14

*Collected:* 1/4/2010 *Lab ID:* *0001*

| *Method* | *Parameter* | *Concentration* | *Reporting Limit* | *Units* | *Analysis Date* | *Analyst* |
|---|---|---|---|---|---|---|
| 3540C/8082 | Aroclor-1016 | <0.97 | 0.97 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1221 | <0.97 | 0.97 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1232 | <0.97 | 0.97 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1242 | <0.97 | 0.97 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1248 | <0.97 | 0.97 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1254 | <0.97 | 0.97 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1260 | <0.97 | 0.97 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1262 | <0.97 | 0.97 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1268 | <0.97 | 0.97 | mg/Kg | 1/14/2010 | ehernandez |

*Client Sample Description* P17
B-10, Bldg #9

*Collected:* 12/30/2009 *Lab ID:* *0003*

| *Method* | *Parameter* | *Concentration* | *Reporting Limit* | *Units* | *Analysis Date* | *Analyst* |
|---|---|---|---|---|---|---|
| 3540C/8082 | Aroclor-1016 | <0.98 | 0.98 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1221 | <0.98 | 0.98 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1232 | <0.98 | 0.98 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1242 | <0.98 | 0.98 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1248 | <0.98 | 0.98 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1254 | <0.98 | 0.98 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1260 | <0.98 | 0.98 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1262 | <0.98 | 0.98 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1268 | <0.98 | 0.98 | mg/Kg | 1/14/2010 | ehernandez |

Samples analyzed by EMSL Analytical, Inc. Westmont 3 Cooper St., Westmont NJ

EMSL Analytical, Inc.

Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

Attn: **Geiser Fajardo**
**Omega Environmental Services**
**280 Huyler Street**
**South Hackensack, NJ 07606**

Fax: (201) 489-8797 Phone: (201) 489-8700
Project: **09-1353**

Customer ID: OMEG50
Customer PO:
Received: 01/05/10 11:35 AM
EMSL Order: 011000033

EMSL Proj:

# Test Report

*Client Sample Description* P23
B-1, Bldg #1
*Collected:* 10/31/2009 *Lab ID:* 0001

| *Method* | *Parameter* | *Concentration* | *Reporting Limit* | *Units* | *Analysis Date* | *Analyst* |
|---|---|---|---|---|---|---|
| 3540C/8082 | Aroclor-1016 | <0.53 | 0.53 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1221 | <0.53 | 0.53 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1232 | <0.53 | 0.53 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1242 | <0.53 | 0.53 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1248 | <0.53 | 0.53 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1254 | <0.53 | 0.53 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1260 | <0.53 | 0.53 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1262 | <0.53 | 0.53 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1268 | <0.53 | 0.53 | mg/Kg | 1/14/2010 | ehernandez |

*Client Sample Description* P25
B-2, Bldg #2
*Collected:* 10/31/2009 *Lab ID:* 0003

| *Method* | *Parameter* | *Concentration* | *Reporting Limit* | *Units* | *Analysis Date* | *Analyst* |
|---|---|---|---|---|---|---|
| 3540C/8082 | Aroclor-1016 | <1.0 | 1.0 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1221 | <1.0 | 1.0 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1232 | <1.0 | 1.0 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1242 | <1.0 | 1.0 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1248 | <1.0 | 1.0 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1254 | <1.0 | 1.0 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1260 | <1.0 | 1.0 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1262 | <1.0 | 1.0 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1268 | <1.0 | 1.0 | mg/Kg | 1/14/2010 | ehernandez |

*Client Sample Description* P27
B-4, Bldg #4
*Collected:* 10/31/2009 *Lab ID:* 0005

| *Method* | *Parameter* | *Concentration* | *Reporting Limit* | *Units* | *Analysis Date* | *Analyst* |
|---|---|---|---|---|---|---|
| 3540C/8082 | Aroclor-1016 | <0.96 | 0.96 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1221 | <0.96 | 0.96 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1232 | <0.96 | 0.96 | mg/Kg | 1/14/2010 | ehernandez |

Samples analyzed by EMSL Analytical, Inc. 3 Cooper St., WestmontNJ

EMSL Analytical, Inc.

Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

Attn: **Geiser Fajardo**
**Omega Environmental Services**
**280 Huyler Street**
**South Hackensack, NJ 07606**

Fax: (201) 489-8797 Phone: (201) 489-8700
Project: **09-1353**

Customer ID: OMEG50
Customer PO:
Received: 01/05/10 11:35 AM
EMSL Order: 011000033

EMSL Proj:

# Test Report

*Client Sample Description* P27 B-4, Bldg #4 *Collected:* 10/31/2009 *Lab ID:* *0005*

| *Method* | *Parameter* | *Concentration* | *Reporting Limit* | *Units* | *Analysis Date* | *Analyst* |
|---|---|---|---|---|---|---|
| 3540C/8082 | Aroclor-1242 | <0.96 | 0.96 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1248 | <0.96 | 0.96 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1254 | 7.3 | 0.96 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1260 | <0.96 | 0.96 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1262 | <0.96 | 0.96 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1268 | <0.96 | 0.96 | mg/Kg | 1/14/2010 | ehernandez |

*Client Sample Description* P29 B-3, Bldg #3 *Collected:* 10/31/2009 *Lab ID:* *0007*

| *Method* | *Parameter* | *Concentration* | *Reporting Limit* | *Units* | *Analysis Date* | *Analyst* |
|---|---|---|---|---|---|---|
| 3540C/8082 | Aroclor-1016 | <9.7 | 9.7 | mg/Kg | 1/15/2010 | ehernandez |
| 3540C/8082 | Aroclor-1221 | <9.7 | 9.7 | mg/Kg | 1/15/2010 | ehernandez |
| 3540C/8082 | Aroclor-1232 | <9.7 | 9.7 | mg/Kg | 1/15/2010 | ehernandez |
| 3540C/8082 | Aroclor-1242 | <9.7 | 9.7 | mg/Kg | 1/15/2010 | ehernandez |
| 3540C/8082 | Aroclor-1248 | <9.7 | 9.7 | mg/Kg | 1/15/2010 | ehernandez |
| 3540C/8082 | Aroclor-1254 | 42 | 9.7 | mg/Kg | 1/15/2010 | ehernandez |
| 3540C/8082 | Aroclor-1260 | <9.7 | 9.7 | mg/Kg | 1/15/2010 | ehernandez |
| 3540C/8082 | Aroclor-1262 | <9.7 | 9.7 | mg/Kg | 1/15/2010 | ehernandez |
| 3540C/8082 | Aroclor-1268 | <9.7 | 9.7 | mg/Kg | 1/15/2010 | ehernandez |

*Client Sample Description* P31 B-5, Bldg #5 *Collected:* 10/31/2009 *Lab ID:* *0009*

| *Method* | *Parameter* | *Concentration* | *Reporting Limit* | *Units* | *Analysis Date* | *Analyst* |
|---|---|---|---|---|---|---|
| 3540C/8082 | Aroclor-1016 | <3.7 | 3.7 | mg/Kg | 1/15/2010 | ehernandez |
| 3540C/8082 | Aroclor-1221 | <3.7 | 3.7 | mg/Kg | 1/15/2010 | ehernandez |
| 3540C/8082 | Aroclor-1232 | <3.7 | 3.7 | mg/Kg | 1/15/2010 | ehernandez |
| 3540C/8082 | Aroclor-1242 | <3.7 | 3.7 | mg/Kg | 1/15/2010 | ehernandez |
| 3540C/8082 | Aroclor-1248 | <3.7 | 3.7 | mg/Kg | 1/15/2010 | ehernandez |
| 3540C/8082 | Aroclor-1254 | <3.7 | 3.7 | mg/Kg | 1/15/2010 | ehernandez |

Samples analyzed by EMSL Analytical, Inc. 3 Cooper St., WestmontNJ

EMSL Analytical, Inc.

Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

Attn: **Geiser Fajardo**
**Omega Environmental Services**
**280 Huyler Street**
**South Hackensack, NJ 07606**

Fax: (201) 489-8797 Phone: (201) 489-8700
Project: **09-1353**

Customer ID: OMEG50
Customer PO:
Received: 01/05/10 11:35 AM
EMSL Order: 011000033
EMSL Proj:

# Test Report

*Client Sample Description* P31 B-5, Bldg #5 *Collected:* 10/31/2009 *Lab ID:* 0009

| *Method* | *Parameter* | *Concentration* | *Reporting Limit* | *Units* | *Analysis Date* | *Analyst* |
|---|---|---|---|---|---|---|
| 3540C/8082 | Aroclor-1260 | <3.7 | 3.7 | mg/Kg | 1/15/2010 | ehernandez |
| 3540C/8082 | Aroclor-1262 | <3.7 | 3.7 | mg/Kg | 1/15/2010 | ehernandez |
| 3540C/8082 | Aroclor-1268 | <3.7 | 3.7 | mg/Kg | 1/15/2010 | ehernandez |

*Client Sample Description* P33 B-26, Bldg #23 *Collected:* 10/31/2009 *Lab ID:* 0011

| *Method* | *Parameter* | *Concentration* | *Reporting Limit* | *Units* | *Analysis Date* | *Analyst* |
|---|---|---|---|---|---|---|
| 3540C/8082 | Aroclor-1016 | <0.97 | 0.97 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1221 | <0.97 | 0.97 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1232 | <0.97 | 0.97 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1242 | <0.97 | 0.97 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1248 | <0.97 | 0.97 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1254 | <0.97 | 0.97 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1260 | <0.97 | 0.97 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1262 | <0.97 | 0.97 | mg/Kg | 1/14/2010 | ehernandez |
| 3540C/8082 | Aroclor-1268 | <0.97 | 0.97 | mg/Kg | 1/14/2010 | ehernandez |

Samples analyzed by EMSL Analytical, Inc. 3 Cooper St., WestmontNJ

*OMEGA*
*ENVIRONMENTAL*
*SERVICES, INC.*

January 26, 2010

*email: jbourdeau@keyenvir.com*

Jacob Bourdeau, P.E., Project Manager
Key Environmental Inc.
185 Lancaster Street, Suite 304
Lancaster, ME 04103

**Re:** Limited Scope Asbestos Inspection Report for Standard Chlorine Chemical Co. Kearny, New Jersey *{Omega Project #09-1353}*

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Dear Jacob:

Omega Environmental Services, Inc. (Omega) was retained by Key Environmental Inc. to perform a supplemental, limited scope asbestos inspection and analysis of various buildings contained within the site known as the Standard Chlorine Chemical, located at 1015-1035 Belleville Turnpike, Kearny, New Jersey 07032.

Scope of Work

In 2004, Omega issued a Work Plan for Asbestos Abatement for the subject site, which was based on then acceptable Polarized Light Microscopy (PLM) methodology. Currently, the State of New Jersey requires a confirmatory analysis using Transmission Electron Microscopy (TEM) for all non-organically bound (non friable materials such as roofing, tiles, etc.) suspect materials which, when tested using PLM, were determined to be non-asbestos containing. Therefore, to comply with current State of New Jersey regulations, Omega was requested to perform a supplemental inspection, limited to testing and analysis of those non-friable building materials which were previously tested by PLM, but were identified to be non-ACM. Several of the materials were also identified using PLM. In addition, Omega's asbestos inspectors confirmed the existing conditions within the subject on-site building and confirmed the quantities of asbestos-containing materials (ACM) previously reported.

Results of Supplemental Asbestos Inspection

Representative bulk sampling and analysis of suspect materials was conducted during 12/30/09, 12/31/09 and 01/04/10 by a team of USEPA AHERA accredited Asbestos Inspectors. Samples were analyzed using Polarized Light Microscopy (PLM) *USEPA600/M4/82/020* Method and Transmission Electron Microscopy (TEM) *NYS ELAP 198.4* Method.

| Sample ID | Building # | Homogeneous ID | Sample Location | Material Description | Results (% Asbestos) | | Quantities of ACM | Comments |
|---|---|---|---|---|---|---|---|---|
| | | | | | PLM | TEM | | |
| 01 | 16 | B-16 | Window | Black window caulking | 4.54% Chrysotile | N/A | 4 | • 7x7 sq ft<br>• Visible window caulking debris on the floor |
| 02 | 16 | B-16 | Window | Black window caulking | **Sample not analyzed** | | | |
| 03 | 16 | B-16 | Window | Black window caulking | **Sample not analyzed** | | | |
| 04 | 15 | B-15 | Window | Caulking/glazing | 0.53% Chrysotile | 4.84% Chrysotile | 24 | • 7x7 sq ft<br>• Visible window caulking debris on the floor |
| 05 | 15 | B-15 | Window | Caulking/glazing | None Detected | N/A | | |
| 06 | 15 | B-15 | Window | Caulking/glazing | None Detected | N/A | | |
| 07 | 19 | B-19 | Window | Glazing | None detected | 1.68% Anthhophyllite 0.31% Chrysotile | 12 | • 5x4 sq ft<br>• Visible window caulking debris on the floor |
| 08 | 19 | B-19 | Window | Glazing | None Detected | N/A | | |
| 09 | 19 | B-19 | Window | Glazing | None detected | N/A | | |
| 10 | 20 | B-20 | Window | Glazing | None detected | 1.69% Anth. 2.96% Chrysotile | 12 | • 5x4 sq ft<br>• Visible window caulking debris on the floor |
| 11 | 20 | B-20 | Window | Glazing | None detected | N/A | | |
| 12 | 20 | B-20 | Window | Glazing | None detected | N/A | | |
| 13 | 18 | B-18 | Window | Glazing/caulking | None detected | 0.69% Chrysotile 1.39% Anthophyllite | 58 | 5x4 sq ft |
| 14 | 18 | B-18 | Window | Glazing/caulking | None detected | N/A | | |
| 15 | 18 | B-18 | Window | Glazing/caulking | None detected | N/A | | |
| 16 | 18 | B-18-T | Tarp wrap exterior | Pipe insulation | None detected | Trace Chrysotile | 160 ln ft | Fiberglass |
| 17 | 18 | B-18-T | Tarp wrap exterior | Pipe insulation | Trace | 0.23% Chrysotile | | |
| 18 | - | | Building #18 | Electrical wire | None detected | - | | |

| Sample ID | Building # | Homogeneous ID | Sample Location | Material Description | Results (% Asbestos) | | Quantities of ACM | Comments |
|---|---|---|---|---|---|---|---|---|
| | | | | | PLM | TEM | | |
| 19 | 17 | B-17 | Window | Glazing | None detected | 8.65% Chrysotile | 17 | 5x4 sq ft |
| 20 | 17 | B-17 | Window | Glazing | None detected | N/A | | |
| 21 | 17 | B-17 | Window | Glazing | None detected | N/A | | |
| 22 | 17 | B-17-R | Roof field | | None detected | 0.12% Chrysotile | 1300 sq ft | |
| 23 | 17 | B-17-R | Roof field | | None detected | Trace Chrysotile | | |
| 24 | 17 | B-17-R | Roof field | | None detected | Trace Chrysotile | | |
| 25 | 17 | | Building #17 | Wall penetration | 50% Amosite | - | 1 ln ft | |
| 26 | 14 | B-14 | Window | Glazing | None detected | 0.89% Chrysotile | 4 | 7x3 sq ft |
| 27 | 14 | B-14 | Window | Glazing | None detected | 1.26% Chrysotile | | |
| 28 | 14 | B-14 | Window | Glazing | None detected | N/A | | |
| 29 | 14 | B-14-W | Wall felt paper behind paper wood | Wall felt paper | None detected | Trace Chrysotile | 400 sq ft | 30 |
| 30 | 14 | B-14W | Wall felt paper behind paper wood | Wall felt paper | None detected | Trace Chrysotile | | |
| 31 | 14 | B-14-R | Roof field asphalt on wood | Roof field | None detected | None detected | | |
| 32 | 14 | B-14-R | Roof field asphalt on wood | Roof field | None detected | None detected | | |
| 33 | 14 | B-14-R | Roof field asphalt on wood | Roof field | None detected | None detected | | |
| 34 | 10 | B-10 | Red asphalt siding | Siding | None detected | None detected | | |
| 35 | 10 | B-10 | Red asphalt siding | Siding | None detected | None detected | | |
| 36 | 10 | B-10 | Red asphalt siding | Siding | None detected | None detected | | |
| 37 | 10 | B-10-R | Roof shingles/asphalt layer | Roof shingles | None detected | N/A | | |
| 38 | 10 | B-10-R | Roof shingles/asphalt layer | Roof shingles | None detected | N/A | | |
| 39 | 10 | B-10-R | Roof shingles/asphalt layer | Roof shingles | 2.12% Chrysotile | N/A | | |

| Sample ID | Building # | Homogeneous ID | Sample Location | Material Description | Results (% Asbestos) | | Quantities of ACM | Comments |
|---|---|---|---|---|---|---|---|---|
| | | | | | PLM | TEM | | |
| 40 | 9 | B-9 | Window | Glazing | None detected | 1.96% Chrysotile Trace Anthophyllite | 6 | 4x3 sq ft |
| 41 | 9 | B-9 | Window | Glazing | None detected | N/A | | |
| 42 | 9 | B-9 | Window | Glazing | None detected | N/A | | |
| 43 | 9 | B-9-C | Caulking between metal panel | Caulking | 8.06% Chrysotile | N/A | | |
| 44 | 9 | B-9-C | Caulking between metal panel | Caulking | Sample not analyzed | | | |
| 45 | 9 | B-9-R | Roof shingles | Roof shingles | None detected | N/A | | |
| 46 | 9 | B-9-R | Roof shingles | Roof shingles | 2.46% Chrysotile | N/A | | |
| 47 | 9 | B-9-R | Roof shingles | Roof shingles | Sample not analyzed | | | |
| 48 | 8 | B-8 | Window | Caulking/glazing | 8.33% Chrysotile | N/A | | Fully collapsed |
| 49 | 8 | B-8 | Window | Caulking/glazing | Sample not analyzed | | | |
| 50 | 8 | B-8 | Window | Caulking/glazing | Sample not analyzed | | | |
| 51 | 8 | B-8-R | Roofing debris | Roofing debris | None detected | 0.60% Chrysotile | 30x40 | |
| 52 | 8 | B-8-R | Roofing debris | Roofing debris | None detected | 2.09% Chrysotile | | |
| 53 | 7 | B-7 | Window glazing/caulking plus debris | Glazing/caulking plus debris | 2.43% Chrysotile | N/A | 14 | 5x6 sq ft |
| 54 | 7 | B-7 | Window glazing/caulking plus debris | Glazing/caulking plus debris | **Sample not analyzed** | | | |
| 55 | 7 | B-7 | Window glazing/caulking plus debris | Glazing/caulking plus debris | **Sample not analyzed** | | | |
| 56 | 7 | B-7-R | Roofing debris | Roofing debris | None detected | 0.06% Chrysotile | | |
| 57 | 7 | B-7-R | Roofing debris | Roofing debris | None detected | None detected | | |
| 58 | FH | FH | Fire hydrant shed | Roof shingles | None detected | Trace Chrysotile | 50 sq ft | |
| 59 | FH | FH | Fire hydrant shed | Roof shingles | None detected | Trace Chrysotile | 200 sq ft | |
| 60 | 1 | B-1 | 1st floor Building #1 | 12” x 12” floor tile under carpet and padding bottom layer | None detected | 24.99% Chrysotile | | |
| 61 | 1 | B-1-C | 1st floor Building #1 | Black adhesive mastic under tile (concrete floor) | None detected | N/A | | |

| Sample ID | Building # | Homogeneous ID | Sample Location | Material Description | Results (% Asbestos) | | Quantities of ACM | Comments |
|---|---|---|---|---|---|---|---|---|
| | | | | | PLM | TEM | | |
| 62 | 11 | B-1-1 | 1st floor open space grey carpet Building #1 | 12" x12" floor tile and mastic under carpet | None detected | N/A | | |
| 63 | 1 | | 1st floor ceiling bathroom | Deep ceiling | None detected | N/A | | |
| 64 | 1 | B1-W | 1st floor interior caulking | Window caulking interior | None detected | N/A | | |
| 65 | 1 | | 2nd floor corridor | Pipe wrap 1" above ceiling | None detected | N/A | | |
| 66 | 1 | B1-W | Exterior window east end Building #1 window | Caulking/glazing | None detected | N/A | 58 | 4x4 sq ft |
| 67 | 1 | B1-W | West side window | Caulking | 2.86% Chrysotile | N/A | | |
| 68 | 2 | B-2 | Window | Glazing | None detected | 2.14% Anthophyllite | 140 | 6x5 sq ft |
| 69 | 2 | B-2 | Window | Glazing | None detected | N/A | | |
| 70 | 2 | B-2 | Window | Glazing | None detected | N/A | | |
| 71 | 4 | B-4 | Window | Glazing | None detected | 2.01% Anthophyllite 1.34% Chrysotile | 2 | 3x5 sq ft |
| 72 | 4 | B-4 | Window | Glazing | 0.16% Chrysotile | N/A | | |
| 73 | 3 | B-3 | Window | Glazing | None detected | Trace Chrysotile Anthophyllite | 135 | 5x5 sq ft |
| 74 | 3 | B-3 | Window | Glazing | None detected | None detected | | |
| 75 | 3 | B-3 | Window | Glazing | None detected | None detected | | |
| 76 | 5 | B-5-1 | Lower roof | Wood | None detected | Trace Chrysotile | 20,000 | |
| 77 | 5 | B-5-1 | Lower roof | Wood | None detected | None detected | | |
| 78 | 5 | B-5-1 | Upper roof | - | None detected | Trace Chrysotile | 14,000 | |
| 79 | 5 | B-5-1 | Upper roof | - | None detected | Trace Chrysotile | | |
| 80 | 5 | B-5-2 | Galveston siding | Metal | None detected | None detected | | |
| 81 | 5 | B-5-2 | Galveston siding | Metal | None detected | None detected | | |
| 82 | 5 | B-5-2 | Galveston siding | Metal | None detected | None detected | | |

| Sample ID | Building # | Homogeneous ID | Sample Location | Material Description | Results (% Asbestos) | | Quantities of ACM | Comments |
|---|---|---|---|---|---|---|---|---|
| | | | | | PLM | TEM | | |
| 83 | 5 | B-5-3 | Siding | Cement flashing patch on siding | 5.0% Chrysotile | N/A | 200 sq ft | |
| 84 | 5 | B-5-3 | Siding | Cement flashing patch on siding | **Sample not analyzed** | | | |
| 85 | 5 | B-5-4 | Window | Glazing | 1.71% Chrysotile | N/A | 135 | 6x5 sq ft |
| 86 | 5 | B-5-4 | Window | Glazing | Sample not analyzed | | | |
| 87 | 5 | B-5-4 | Window | Glazing | Sample not analyzed | | | |
| 88 | 23 | B-23 | Window | Caulking | None detected | 1.22% Anthophyllite | | |
| 89 | 23 | B-23 | Window | Caulking | None detected | N/A | | |
| 90 | 23 | B-23 | 9”x9” floor tile | Floor tile | None detected | 24.80% Chrysotile | 100 sq ft | |
| 91 | 23 | | Roof cement boards | Cement board | None detected | N/A | 100 sq ft | |

- - Shaded areas indicate material either tested positive for asbestos or was assumed to be ACM in lieu of sampling and analysis.

Abbreviations:

CHRY = Chrysotile Asbestos
Not Analyzed = Sample not analyzed due to “First Positive Analysis Stop” request
HA = Homogeneous Area
NA = Not Applicable
Sq. ft. = Square Feet

Conclusion:

Following Omega's supplemental inspection and PLM/TEM analysis, additional ACM has been identified to be present within several of the on-site buildings as reported in the table above. Also, certain quantities were reevaluated and recalculated, resulting in changes to quantities reported in 2004. Our Asbestos Removal Work Plan for the subject buildings will reflect the changes based on additional analysis and our re-evaluation/recalculation of the existing quantities.

If you have any questions, please contact our office at 201.489.8700.

Sincerely,

Leonid Shereshevsky
Sr. Project Manager

Geiser Fajardo
Sr. Project Manager

Building #20 Roof openings

Building #15 Exterior transite panels

Building #16 Window caluking ACM (asbestos containing material)

Building #16 Transite roof

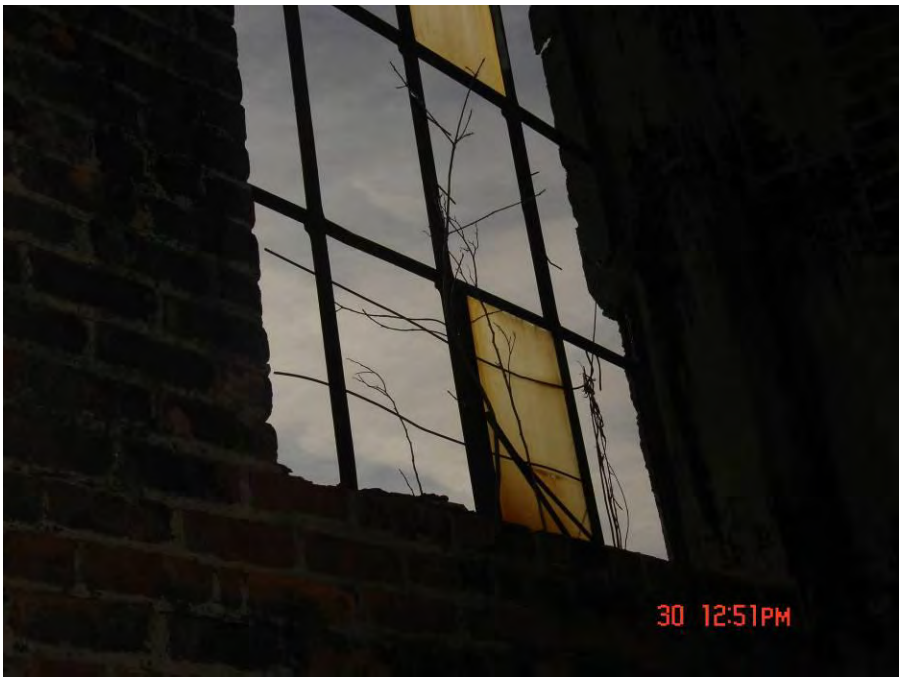
Building #20 Exterior view ACM window caulking glazing

Building #18 ACM pipe insulation heavily damaged

Building #18 ACM pipe insulation heavily damaged

Building #18 Exterior felt wrap pipe insulation non-ACM

Building #21 Transite panels



Building #17 window caulking/glazing ACM

Building #17 ACM debris wall penetration

Building #18 Window caulking/glazing ACM

Building #18 View transite panels

Building #9 ACM window caulking/glazing ACM caulking between metal panel

Building #17 ACM window caulking/glazing

Building #1 Concealed ACM 1" pipe insulation (1st floor)

ACM 12x12 floor tile and mastic under floor carpet and padding

Fire hydrant shed non-ACM asphalt roof shingle

Building #9 Exterior

Building #1 ACM window caulking/glazing

Building #2 ACM window caulking/glazing

Building #2 Exterior view

Building #2 ACM window caulking/glazing

Building #4 ACM window caulking/glazing

Building #4 Exterior view

Building #3 Non-ACM window caulking/glazing

Building #5 Roof openings

Building #5 Roof openings

Building #5 Collapsed roof

Building #5 Collapsed roof

Building #21 2nd floor view

Building #5 Window caulking/glazing ACM

Building #21 Concrete roof

Building #21 Concrete roof

Building #20 Window caulking debris

Building #19 Window caulking debris

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45-09 GREENPOINT AVE.
LIC, NY 11104
Ph.: (718) 389 3470, Fax: (718) 389 3471

# BULK (NOB) ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY AND TRANSMISSION ELECTRON MICROSCOPY

| | |
|---|---|
| **CLIENT/ ADDRESS:** Omega Environmental / 280 Huyler St. So. Hackensack, NJ 07606 | **PROJECT:** 1035 Belleville Tpk. Kearny, NJ |
| **ANALYT. METHODOLOGIES:** ELAP 198.6, ELAP 198.4 | **LABORATORY ID #:** 10-01-001 |
| **DATES OF ANALYSIS:** 01/05/10 | **DATE OF REPORT:** 01/06/10 |

## LABORATORY RESULTS

| CLIENT # | LAB. ID # | LOCATION | %ORG | %ASI | %AII | PLM RESULTS | TYPE OF ASBEST. | TEM RESULTS | TYPE OF ASBEST. | POSIT. / NEGAT. |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 | 10-01-001-01 | Bldg #16 Window – Window Caulking Black | 27.05 | 46.83 | 21.58 | **4.54** | Chrys. | **NA** | NA | **Posit.** |
| 02 | 10-01-001-02 | Bldg #16 Window – Window Caulking Black | 13.23 | 79.97 | 6.80 | **SAMPLE NOT ANALYZED** | | | | |
| 03 | 10-01-001-03 | Bldg #16 Window – Window Caulking Black | 13.12 | 80.85 | 6.03 | **SAMPLE NOT ANALYZED** | | | | |
| 04 | 10-01-001-04 | Bldg #15 – Window Caulking Glazing | 17.12 | 70.77 | 7.27 | **0.53** | Chrys. | **4.84** | Chrys. | **Posit.** |
| 05 | 10-01-001-05 | Bldg #15 – Window Caulking Glazing | 12.70 | 82.11 | 5.19 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |
| 06 | 10-01-001-06 | Bldg #15 – Window Caulking Glazing | 18.84 | 68.70 | 12.47 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |

**ANALYST**
V. Ruderman

**LABORATORY DIRECTOR**
E. Dimitrakas

**LABORATORY ACCREDITATION NUMBERS: NVLAP Lab Code 101958-0, ELAP 10955**

- Samples will be stored for sixty (60) days. LTS Inc. should be notified within this time frame for a true duplicate analysis.
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| **DATES OF ANALYSIS:** 01/05/10 | **DATE OF REPORT:** 01/06/10 |

## LABORATORY RESULTS

| CLIENT # | LAB. ID # | LOCATION | %ORG | %ASI | %AII | PLM RESULTS | TYPE OF ASBEST. | TEM RESULTS | TYPE OF ASBEST. | POSIT. / NEGAT. |
|---|---|---|---|---|---|---|---|---|---|---|
| 07 | 10-01-001-07 | Bldg #19 – Window Glazing | 8.54 | 85.37 | 4.12 | **ND** | NA | **1.68**<br>**0.31** | Anth.<br>Chrys. | **Posit.** |
| 08 | 10-01-001-08 | Bldg #19 – Window Glazing | 8.89 | 84.77 | 6.33 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |
| 09 | 10-01-001-09 | Bldg #19 – Window Glazing | 8.52 | 85.27 | 6.21 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |
| 10 | 10-01-001-10 | Bldg #20 – Window Glazing | 15.17 | 67.92 | 12.26 | **ND** | NA | **1.69**<br>**2.96** | Anth.<br>Chrys. | **Posit.** |
| 11 | 10-01-001-11 | Bldg #20 – Window Glazing | 8.99 | 82.01 | 8.99 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |
| 12 | 10-01-001-12 | Bldg #20 – Window Glazing | 16.18 | 77.28 | 6.54 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |

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| **ANALYT. METHODOLOGIES:** ELAP 198.6, ELAP 198.4 | **LABORATORY ID #:** 10-01-001 |
| **DATES OF ANALYSIS:** 01/05/10 | **DATE OF REPORT:** 01/06/10 |

## LABORATORY RESULTS

| CLIENT # | LAB. ID # | LOCATION | %ORG | %ASI | %AII | PLM RESULTS | TYPE OF ASBEST. | TEM RESULTS | TYPE OF ASBEST. | POSIT. / NEGAT. |
|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 10-01-001-13 | Bldg #18 – Window Glazing / Caulking | 9.72 | 76.39 | 11.81 | **ND** | NA | **0.69**<br>**1.39** | Chrys.<br>Anth. | **Posit.** |
| 14 | 10-01-001-14 | Bldg #18 – Window Glazing / Caulking | 7.17 | 80.59 | 12.24 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |
| 15 | 10-01-001-15 | Bldg #18 – Window Glazing / Caulking | 11.01 | 77.99 | 11.01 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |
| 16 | 10-01-001-16 | Bldg #18 – Tar Wrap Exterior Pipe Insul. | 91.16 | 3.87 | 4.97 | **ND** | NA | **Trace** | Chrys. | **Negat.** |
| 17 | 10-01-001-17 | Bldg #18 – Tar Wrap Exterior Pipe Insul. | 94.66 | 0.81 | 4.30 | **Trace** | Chrys. | **0.23** | Chrys. | **Negat.** |
| 19 | 10-01-001-18 | Bldg #17 – Window Glazing | 10.76 | 68.90 | 11.70 | **ND** | NA | **8.65** | Chrys. | **Posit.** |

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| **ANALYT. METHODOLOGIES:** ELAP 198.6, ELAP 198.4 | **LABORATORY ID #:** 10-01-001 |
| **DATES OF ANALYSIS:** 01/05/10 | **DATE OF REPORT:** 01/06/10 |

## LABORATORY RESULTS

| CLIENT # | LAB. ID # | LOCATION | %ORG | %ASI | %AII | PLM RESULTS | TYPE OF ASBEST. | TEM RESULTS | TYPE OF ASBEST. | POSIT. / NEGAT. |
|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 10-01-001-19 | Bldg #17 – Window Glazing | 11.06 | 84.16 | 4.77 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |
| 21 | 10-01-001-20 | Bldg #17 – Window Glazing | 11.39 | 83.97 | 4.64 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |
| 22 | 10-01-001-21 | Bldg #17 – Roof Field | 96.60 | 1.05 | 2.24 | **ND** | NA | **0.12** | Chrys. | **Negat.** |
| 23 | 10-01-001-22 | Bldg #17 – Roof Field | 96.53 | 0.29 | 3.18 | **ND** | NA | **Trace** | Chrys. | **Negat.** |
| 24 | 10-01-001-23 | Bldg #17 – Roof Field | 96.25 | 0.94 | 2.81 | **ND** | NA | **Trace** | Chrys. | **Negat.** |
| 26 | 10-01-001-24 | Bldg #14 – Window Glazing | 11.70 | 85.34 | 2.07 | **ND** | NA | **0.89** | Chrys. | **Negat.** |

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| **ANALYT. METHODOLOGIES:** ELAP 198.6, ELAP 198.4 | **LABORATORY ID #:** 10-01-001 |
| **DATES OF ANALYSIS:** 01/05/10 | **DATE OF REPORT:** 01/06/10 |

## LABORATORY RESULTS

| CLIENT # | LAB. ID # | LOCATION | %ORG | %ASI | %AII | PLM RESULTS | TYPE OF ASBEST. | TEM RESULTS | TYPE OF ASBEST. | POSIT. / NEGAT. |
|---|---|---|---|---|---|---|---|---|---|---|
| 27 | 10-01-001-25 | Bldg #14 – Window Glazing | 13.09 | 82.72 | 2.93 | **ND** | NA | **1.26** | Chrys. | **Posit.** |
| 28 | 10-01-001-26 | Bldg #14 – Window Glazing | 12.11 | 85.07 | 2.82 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |
| 29 | 10-01-001-27 | Bldg #14 – Wall Felt Paper Behind Paper Wood | 96.76 | 0.88 | 2.36 | **ND** | NA | **Trace** | Chrys. | **Negat.** |
| 30 | 10-01-001-28 | Bldg #14 – Wall Felt Paper Behind Paper Wood | 95.82 | 2.93 | 1.26 | **ND** | NA | **Trace** | Chrys. | **Negat.** |
| 31 | 10-01-001-29 | Bldg #14 – Roof Field Asphalt On Wood | 93.42 | 2.63 | 3.95 | **ND** | NA | **ND** | NA | **Negat.** |
| 32 | 10-01-001-30 | Bldg #14 – Roof Field Asphalt On Wood | 95.70 | 1.56 | 2.73 | **ND** | NA | **ND** | NA | **Negat.** |

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Ph.: (718) 389 3470, Fax: (718) 389 3471

# BULK (NOB) ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY AND TRANSMISSION ELECTRON MICROSCOPY

| | |
|---|---|
| **CLIENT/ ADDRESS:** Omega Environmental / 280 Huyler St. So. Hackensack, NJ 07606 | **PROJECT:** 1035 Belleville Tpk. Kearny, NJ |
| **ANALYT. METHODOLOGIES:** ELAP 198.6, ELAP 198.4 | **LABORATORY ID #:** 10-01-001 |
| **DATES OF ANALYSIS:** 01/05/10 | **DATE OF REPORT:** 01/06/10 |

## LABORATORY RESULTS

| CLIENT # | LAB. ID # | LOCATION | %ORG | %ASI | %AII | PLM RESULTS | TYPE OF ASBEST. | TEM RESULTS | TYPE OF ASBEST. | POSIT. / NEGAT. |
|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 10-01-001-31 | Bldg #14 – Roof Field Asphalt On Wood | 89.53 | 2.53 | 7.94 | **ND** | NA | **ND** | NA | **Negat.** |
| 34 | 10-01-001-32 | Bldg #10 – Red Asphalt Siding | 42.59 | 2.86 | 54.56 | **ND** | NA | **ND** | NA | **Negat.** |
| 35 | 10-01-001-33 | Bldg #10 – Red Asphalt Siding | 45.80 | 15.02 | 39.18 | **ND** | NA | **ND** | NA | **Negat.** |
| 36 | 10-01-001-34 | Bldg #10 – Red Asphalt Siding | 42.42 | 3.60 | 53.98 | **ND** | NA | **ND** | NA | **Negat.** |
| 37 | 10-01-001-35 | Bldg #10 – Roof Shingles /Asphalt Layer | 53.00 | 6.00 | 41.00 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |
| 38 | 10-01-001-36 | Bldg #10 – Roof Shingles /Asphalt Layer | 43.57 | 6.19 | 50.24 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |

**ANALYST**
V. Ruderman

**LABORATORY DIRECTOR**
E. Dimitrakas

**LABORATORY ACCREDITATION NUMBERS: NVLAP Lab Code 101958-0, ELAP 10955**

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## LABORATORY RESULTS

| CLIENT # | LAB. ID # | LOCATION | %ORG | %ASI | %AII | PLM RESULTS | TYPE OF ASBEST. | TEM RESULTS | TYPE OF ASBEST. | POSIT. / NEGAT. |
|---|---|---|---|---|---|---|---|---|---|---|
| 39 | 10-01-001-37 | Bldg #10 – Roof Shingles /Asphalt Layer | 63.76 | 21.91 | 12.21 | **2.12** | Chrys. | **NA** | NA | **Posit.** |
| 40 | 10-01-001-38 | Bldg #9 – Window Glazing | 6.11 | 86.07 | 5.87 | **ND** | NA | **1.96 Trace** | Chrys. Anth. | **Posit.** |
| 41 | 10-01-001-39 | Bldg #9 – Window Glazing | 7.47 | 84.68 | 7.86 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |
| 42 | 10-01-001-40 | Bldg #9 – Window Glazing | 6.21 | 87.27 | 6.52 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |
| 43 | 10-01-001-41 | Bldg #9 – Caulking Between Metal Panel | 29.42 | 8.12 | 54.40 | **8.06** | Chrys. | **NA** | NA | **Posit.** |
| 44 | 10-01-001-42 | Bldg #9 – Caulking Between Metal Panel | 31.11 | 6.94 | 61.95 | **SAMPLE NOT ANALYZED** | | | | |

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## LABORATORY RESULTS

| CLIENT # | LAB. ID # | LOCATION | %ORG | %ASI | %AII | PLM RESULTS | TYPE OF ASBEST. | TEM RESULTS | TYPE OF ASBEST. | POSIT. / NEGAT. |
|---|---|---|---|---|---|---|---|---|---|---|
| 45 | 10-01-001-43 | Bldg #9 – Roof Shingles | 77.63 | 1.30 | 21.07 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |
| 46 | 10-01-001-44 | Bldg #9 – Roof Shingles | 78.02 | 7.27 | 12.26 | **2.46** | Chrys. | **NA** | NA | **Posit.** |
| 47 | 10-01-001-45 | Bldg #9 – Roof Shingles | 77.04 | 7.39 | 15.57 | **SAMPLE NOT ANALYZED** | | | | |
| 48 | 10-01-001-46 | Bldg #8 – Window Caulking Glazing | 26.94 | 20.99 | 43.74 | **8.33** | Chrys. | **NA** | NA | **Posit.** |
| 49 | 10-01-001-47 | Bldg #8 – Window Caulking Glazing | 24.57 | 23.08 | 52.35 | **SAMPLE NOT ANALYZED** | | | | |
| 50 | 10-01-001-48 | Bldg #8 – Window Caulking Glazing | 24.61 | 20.75 | 54.64 | **SAMPLE NOT ANALYZED** | | | | |

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| **ANALYT. METHODOLOGIES:** ELAP 198.6, ELAP 198.4 | **LABORATORY ID #:** 10-01-001 |
| **DATES OF ANALYSIS:** 01/05/10 | **DATE OF REPORT:** 01/06/10 |

## LABORATORY RESULTS

| CLIENT # | LAB. ID # | LOCATION | %ORG | %ASI | %AII | PLM RESULTS | TYPE OF ASBEST. | TEM RESULTS | TYPE OF ASBEST. | POSIT. / NEGAT. |
|---|---|---|---|---|---|---|---|---|---|---|
| 51 | 10-01-001-49 | Bldg #8 – Roofing Debris | 89.71 | 2.25 | 7.44 | **ND** | NA | **0.60** | Chrys. | **Negat.** |
| 52 | 10-01-001-50 | Bldg #8 – Roofing Debris | 55.20 | 3.09 | 39.62 | **ND** | NA | **2.09** | Chrys. | **Posit.** |
| 53 | 10-01-001-51 | Bldg #7 – Window Glazing / Caulking Plus Debris | 7.69 | 75.91 | 13.97 | **2.43** | Chrys. | NA | NA | **Posit.** |
| 54 | 10-01-001-52 | Bldg #7 – Window Glazing / Caulking Plus Debris | 8.33 | 80.47 | 11.20 | **SAMPLE NOT ANALYZED** | | | | |
| 55 | 10-01-001-53 | Bldg #7 – Window Glazing / Caulking Plus Debris | 9.05 | 78.30 | 12.64 | **SAMPLE NOT ANALYZED** | | | | |
| 56 | 10-01-001-54 | Bldg #7 – Roofing Debris | 51.38 | 45.25 | 3.31 | **ND** | NA | **0.06** | Chrys. | **Negat.** |

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| **ANALYT. METHODOLOGIES:** ELAP 198.6, ELAP 198.4 | **LABORATORY ID #:** 10-01-001 |
| **DATES OF ANALYSIS:** 01/05/10 | **DATE OF REPORT:** 01/06/10 |

## LABORATORY RESULTS

| CLIENT # | LAB. ID # | LOCATION | %ORG | %ASI | %AII | PLM RESULTS | TYPE OF ASBEST. | TEM RESULTS | TYPE OF ASBEST. | POSIT. / NEGAT. |
|---|---|---|---|---|---|---|---|---|---|---|
| 57 | 10-01-001-55 | Bldg #7 – Roofing Debris | 95.73 | 1.42 | 2.84 | **ND** | NA | **ND** | NA | **Negat.** |
| 58 | 10-01-001-56 | Fire Hydrant Shed – Roof Shingles | 59.60 | 6.26 | 34.14 | **ND** | NA | **Trace** | Chrys | **Negat.** |
| 59 | 10-01-001-57 | Fire Hydrant Shed – Roof Shingles | 56.13 | 6.04 | 37.82 | **ND** | NA | **Trace** | Chrys | **Negat.** |

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V. Ruderman

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| **CLIENT/ ADDRESS:** Omega Environmental / 280 Huyler St. So. Hackensack, NJ 07606 | **PROJECT:** 1035 Belleville Turnpike. Kearny |
| **ANALYT. METHODOLOGIES:** ELAP 198.6, ELAP 198.4 | **LABORATORY ID #:** 10-01-002 |
| **DATES OF ANALYSIS:** 01/06/10 | **DATE OF REPORT:** 01/07/10 |

## LABORATORY RESULTS

| CLIENT # | LAB. ID # | LOCATION | %ORG | %ASI | %AII | PLM RESULTS | TYPE OF ASBEST. | TEM RESULTS | TYPE OF ASBEST. | POSIT. / NEGAT. |
|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 10-01-002-01 | 1st Floor Building #1 – 12"x12" Fl. Tile Under Carpet And Padding Bottom Layer | 29.15 | 15.31 | 30.55 | **ND** | NA | **24.99** | Chrys. | **Posit.** |
| 61 | 10-01-002-02 | 1st Floor Building #1 – Black Adhesive Mastic Under Tile (Concrete Floor) | 85.03 | 5.99 | 8.98 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |
| 62 | 10-01-002-03 | 1st Floor Open Space Grey Carpet Bldg. #1 – 12"x12" Fl. Tile And Mastic Under Carpet | 32.29 | 14.29 | 53.43 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |
| 64 | 10-01-002-04 | 1st Fl. Interior Caulking Bldg #1. Window Caulking Interior | 26.22 | 55.94 | 17.83 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |
| 66 | 10-01-002-05 | Exterior Window East End Bldg #1. Window Caulking Glazing | 52.38 | 36.34 | 11.28 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |
| 67 | 10-01-002-06 | Building #1 West Side. Window Caulking | 24.84 | 58.71 | 13.59 | **2.86** | Chrys. | **NA** | NA | **Posit.** |

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| **DATES OF ANALYSIS:** 01/06/10 | **DATE OF REPORT:** 01/07/10 |

## LABORATORY RESULTS

| CLIENT # | LAB. ID # | LOCATION | %ORG | %ASI | %AII | PLM RESULTS | TYPE OF ASBEST. | TEM RESULTS | TYPE OF ASBEST. | POSIT. / NEGAT. |
|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 10-01-002-07 | Building #2 – Window Glazing | 6.55 | 72.10 | 18.15 | **ND** | NA | **2.14**<br>**1.07** | Anth.<br>Chrys. | **Posit.** |
| 69 | 10-01-002-08 | Building #2 – Window Glazing | 8.66 | 71.02 | 20.31 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |
| 70 | 10-01-002-09 | Building #2 – Window Glazing | 7.82 | 57.01 | 35.17 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |
| 71 | 10-01-002-10 | Building #4 – Window Glazing | 10.48 | 76.12 | 10.05 | **ND** | NA | **2.01**<br>**1.34** | Anth.<br>Chrys. | **Posit.** |
| 72 | 10-01-002-11 | Building #4 – Window Glazing | 8.68 | 88.09 | 3.07 | **0.16** | Chrys. | **SAMPLE NOT ANALYZED** | | |
| 73 | 10-01-002-12 | Building #3 – Window Glazing | 12.65 | 55.92 | 31.43 | **ND** | NA | **Trace** | Chrys.<br>Anth. | **Negat.** |

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| CLIENT # | LAB. ID # | LOCATION | %ORG | %ASI | %AII | PLM RESULTS | TYPE OF ASBEST. | TEM RESULTS | TYPE OF ASBEST. | POSIT. / NEGAT. |
|---|---|---|---|---|---|---|---|---|---|---|
| 74 | 10-01-002-13 | Building #3 – Window Glazing | 5.37 | 30.13 | 64.49 | **ND** | NA | **ND** | NA | **Negat.** |
| 75 | 10-01-002-14 | Building #3 – Window Glazing | 8.03 | 73.41 | 18.56 | **ND** | NA | **ND** | NA | **Negat.** |
| 76 | 10-01-002-15 | Building #5 – Lower Roof Wood | 80.62 | 18.15 | 1.23 | **ND** | NA | **Trace** | Chrys. | **Negat.** |
| 77 | 10-01-002-16 | Building #5 – Lower Roof Wood | 98.90 | 0.00 | 1.10 | **ND** | NA | **ND** | NA | **Negat.** |
| 78 | 10-01-002-17 | Building #5 – Upper Roof | 94.07 | 1.36 | 4.58 | **ND** | NA | **Trace** | Chrys. | **Negat.** |
| 79 | 10-01-002-18 | Building #5 – Upper Roof | 97.25 | 0.18 | 2.56 | **ND** | NA | **Trace** | Chrys. | **Negat.** |

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| CLIENT # | LAB. ID # | LOCATION | %ORG | %ASI | %AII | PLM RESULTS | TYPE OF ASBEST. | TEM RESULTS | TYPE OF ASBEST. | POSIT. / NEGAT. |
|---|---|---|---|---|---|---|---|---|---|---|
| 80 | 10-01-002-19 | Building #5 – Galveston Siding (Metal) | 63.61 | 2.96 | 33.43 | **ND** | NA | **ND** | NA | **Negat.** |
| 81 | 10-01-002-20 | Building #5 – Galveston Siding (Metal) | 64.84 | 1.83 | 33.33 | **ND** | NA | **ND** | NA | **Negat.** |
| 82 | 10-01-002-21 | Building #5 – Galveston Siding (Metal) | 64.69 | 2.82 | 32.49 | **ND** | NA | **ND** | NA | **Negat.** |
| 83 | 10-01-002-22 | Building #5 – Cement Flashing Patch On Siding | 70.46 | 5.85 | 18.69 | **5.0** | Chrys. | **NA** | NA | **Posit.** |
| 84 | 10-01-002-23 | Building #5 – Flashing Cement Patch Siding | 70.94 | 0.62 | 28.44 | **SAMPLE NOT ANALYZED** | | | | |
| 85 | 10-01-002-24 | Building #5 – Window Glazing | 6.93 | 83.67 | 7.69 | **1.71** | Chrys. | **NA** | NA | **Posit.** |

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|---|---|---|---|---|---|---|---|---|---|---|
| 86 | 10-01-002-25 | Building #5 – Window Glazing | 4.13 | 86.64 | 9.23 | **SAMPLE NOT ANALYZED** | | | | |
| 87 | 10-01-002-26 | Building #5 – Window Glazing | 4.08 | 86.30 | 9.62 | **SAMPLE NOT ANALYZED** | | | | |
| 88 | 10-01-002-27 | Building #23 – Window Caulking | 8.94 | 86.18 | 3.66 | **ND** | NA | **1.22** | Anth. | **Posit.** |
| 89 | 10-01-002-28 | Building #23 – Window Caulking | 8.88 | 83.95 | 7.16 | **ND** | NA | **SAMPLE NOT ANALYZED** | | |
| 90 | 10-01-002-29 | Building #23 – 9"x9" Floor Tile | 40.37 | 4.52 | 30.31 | **ND** | NA | **24.80** | Chrys. | **Posit.** |

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# *BULK ASBESTOS LABORATORY ANALYSIS REPORT*

*[NYS DOH ELAP ID# 10504 - NVLAP LAB CODE 101289-0]*

**CLIENT NAME:** KEY ENVIRONMENTAL
ATTN: JACOB BOURDEAU
200 THIRD AVE
CARNEGIE, PA 15106

**PROJECT/AREA:** STANDARD CHLORINE BUILDINGS
BUILDING 1-23
1035 BELLEVILLE TURNPIKE
KEARNY, NJ 07032

**CLIENT ID:** KEYJB010

**PROJECT #:** 09-1353
**ANALYST:** PC
**TEST REQUESTED:** BULK ASBESTOS BY PLM
**METHOD #:** EPA600/M4/82/020

**DATE SAMPLED:** 12/30/09
**DATE RECEIVED:** 01/07/10
**DATE ANALYZED:** 01/17/10
**DATE OF REPORT:** 01/08/10

***TEM-NOB ANALYSIS REQUIRED TO CONFIRM NEGATIVE PLM ANALYSIS IN NY/NJ (EPA/600//M4/82/020)***

| SAMPLE ID NO | LAB ID NO | SAMPLE LOCATION ROOM / AREA | MATERIAL FIELD DESCRIPTION | MATERIAL LAB DESCRIPTION | ASBESTOS DETECTED? (YES/NO) | %ASBESTOS DETECTED | TYPE OF ASBESTOS DETECTED | PREDOMINANT NON-ASBESTOS COMPONENTS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|
| 12-30-KEY-18 | 47246 | BUILDING NO 18 | ELECTRICAL WIRE | HOMOGENEOUS GREY FIBROUS | NO | NA | ND | CELLULOSE-50%,OTHER-50% | |
| 12-30-KEY-25 | 47247 | BUILDING NO 17 | WALL PENETRATION | HOMOGENEOUS TAN FIBROUS | YES | 50.0% | AMOSITE | OTHER-50% | |
| 12-30-KEY-63 | 47248 | 1ST FLOOR BLDG NO 1 CEILING BATHROOM | DEEP CEILING | HOMOGENEOUS WHITE FIBROUS | NO | NA | ND | MINERAL WOOL-80%,OTHER-20% | |
| 12-30-KEY-65 | 47249 | 2ND FLOOR BLDG NO 1 CORRIDOR | PIPE WRAP 1" ABOVE CEILING | HOMOGENEOUS BROWN FIBROUS | NO | NA | ND | CELLULOSE-80%, ASPHALT/TAR-20% | |
| 12-30-KEY-91 | 47250 | ROOF CEMENT BOARDS BLDG NO 23 | CEMENT BOARD | HOMOGENEOUS GREY NON FIBROUS | NO | NA | ND | QUARTZ-80%,OTHER-20% | |
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NOTES:
(1.) uncertainty associated with test method = +/- 0.5% by weight
(2.) results relate to items tested only
(3.) lab reports shall not be reproduced except in full, without written approval of the laboratory
(4.) this report shall not be used to claim product endorsement by NVLAP or any agent of the US government
*ANALYTICAL RESULTS RELATE TO THE SAMPLE(S) AS RECEIVED BY THE LABORATORY
ND = None Detected



Report Approved By: _____
Laboratory Director or Approved Representative

OMEGA LABORATORIES, INC.
280 Huyler Street • South Hackensack, NJ 07606 • Tel: ( 201 ) 489-8700

**TABLE 3**
**PCB ANALYTICAL DATA FOR WINDOW CAULK SAMPLES**
**WORK PLAN FOR**
**BUILDINGS 15, 17, 18 AND 21 DEMOLITION AND ASBESTOS REMOVAL**
**STANDARD CHLORINE CHEMICAL CO., INC. SITE**
**KEARNY, NEW JERSEY**

| SAMPLE NUMBER LOCATION SUBSTRATE TESTED | PARAMETER DETECTED | CONCENTRATION REPORTED (MG/KG) | EPA CRITERION MG/KG |
|---|---|---|---|
| Sample #P3 B-15, Bldg#15 Window Caulking Glazing | All Aroclors<0.69 | | 50 |
| Sample #P9 B-18, Bldg#18 Window Caulking Glazing | Aroclor 1248 | 1.3 | 50 |
| | All Aroclors<0.91 | | 50 |
| Sample #P11 B-17, Bldg#17 Window Caulking Glazing | All Aroclors<0.91 | | 50 |

**BUILDING 15, 17, 18, 21 SAMPLE DETAILS**
**SCCC SITE, KEARNY, NJ**

| | | | | | Sampling | | Lab Report | | |
|---|---|---|---|---|---|---|---|---|---|
| | WCR Category | Description | Composite Sample No. | Discrete Sample No. | Type | Method | File Name | Date | Matrix |
| 1 | Concrete/brick/masonry | Concrete/brick/masonry | B1521-M1 | B15-C1 | Biased | Grab/Chip | c0e290467_357464<br>C0H020464_357464 | 6/22/2010<br>10/11/2010 | Solid |
| | | | | B15-C2 | Biased | Grab/Chip | | | Solid |
| | | | | B21-C1 | Biased | Grab/Chip | | | Solid |
| | | | | B21-C2 | Biased | Grab/Chip | | | Solid |
| | | | B17-M1 | B17-C1 | Biased | Grab/Chip | c0e290467_357464<br>C0H020464_357464 | 6/22/2010<br>10/11/2010 | Solid |
| | | | | B17-C2 | Biased | Grab/Chip | | | Solid |
| | | | | B17-C7 | Biased | Grab/Chip | | | Solid |
| | | | | B17-C8 | Biased | Grab/Chip | | | Solid |
| | | | B17-M2 | B17-C3 | Biased | Grab/Chip | c0f030608_357464<br>C0H020464_357464 | 6/29/2010<br>10/11/2010 | Solid |
| | | | | B17-C4 | Biased | Grab/Chip | | | Solid |
| | | | | B17-C5 | Biased | Grab/Chip | | | Solid |
| | | | | B17-C6 | Biased | Grab/Chip | | | Solid |
| | | | B17-M3 | B17-C9 | Biased | Grab/Chip | c0e290467_357464 | 6/22/2010 | Solid |
| | | | | B17-C10 | Biased | Grab/Chip | | | Solid |
| | | | | B17-C11 | Biased | Grab/Chip | | | Solid |
| | | | | B17-C12 | Biased | Grab/Chip | | | Solid |
| | | | | B17-C13 | Biased | Grab/Chip | | | Solid |
| | | | B17-M4 | B17-C14 | Biased | Grab/Chip | c0f030608_357464 | 6/29/2010 | Solid |
| | | | | B17-C15 | Biased | Grab/Chip | | | Solid |
| | | | | B17-C16 | Biased | Grab/Chip | | | Solid |
| | | | | B17-C17 | Biased | Grab/Chip | | | Solid |
| | | | | B17-C18 | Biased | Grab/Chip | | | Solid |
| | | | B18-M1 | B18-C1 | Biased | Grab/Chip | c0e290467_357464<br>C0F020445_357464 | 6/22/2010<br>7/29/2010 | Solid |
| | | | | B18-C2 | Biased | Grab/Chip | | | Solid |
| | | | | B18-C3 | Biased | Grab/Chip | | | Solid |
| | | | B18-M2 | B18-C4 | Biased | Grab/Chip | c0e290467_357464<br>C0F020445_357464 | 6/22/2010<br>7/29/2010 | Solid |
| | | | | B18-C5 | Biased | Grab/Chip | | | Solid |
| | | | | B18-C6 | Biased | Grab/Chip | | | Solid |
| 2 | ACM/roof materials + Bldg 18 Floor Drain Debris (solids) | Non-friable ACM/Transite | ACM COMP 1 | B15-A1 | Random | Grab/Chip | c0f040552_357464<br>C0H020464_357464 | 7/2/2010<br>10/11/2010 | Solid |
| | | Non-friable ACM/Transite | | B15-A2 | Random | Grab/Chip | | | Solid |
| | | Non-friable ACM/Transite | | B15-A3 | Random | Grab/Chip | | | Solid |
| | | Non-friable ACM/Transite | | B17-A1 | Random | Grab/Chip | | | Solid |
| | | Non-friable ACM/Transite | | B21-A1 | Random | Grab/Chip | | | Solid |
| | | Non-friable ACM-Transite panel | B18-A | B18-A1 | Random | Grab/Chip | c0f040552_357464<br>C0H020464_357464 | 7/2/2010<br>10/11/2010 | Solid |
| | | Non-friable ACM-Transite panel | | B18-A2 | Random | Grab/Chip | | | Solid |
| | | Friable ACM - Tank Insulation | B18-FA1 | B18-A3 | Biased | Grab | C0F110517_357464<br>C0F110523_357464 | 6/28/2010<br>7/12/2010 | Solid |
| | | Friable ACM - Pipe Insulation | | B18-A4 | Biased | Grab | | | Solid |
| | | Friable ACM - Pipe Insulation | | B18-A5 | Biased | Grab | | | Solid |
| | | Friable ACM - FracColumn Body Insulation | B18-FA2 | B18-A6 | Biased | Grab | C0F110517_357464<br>C0F110523_357464 | 6/28/2010<br>7/12/2010 | Solid |
| | | | | B18-A7 | Biased | Grab | | | Solid |
| | | | | B18-A8 | Biased | Grab | | | Solid |
| | | Friable ACM - Window Caulk | | B18-A9 | Biased | Grab | | | Solid |
| | | Floor Drain Debris | B18-PW12-COMP | B18-PW12A | Biased | Grab | c0e280632_357464<br>C0E270481 RJ Lee report<br>C0E270481_357464 | 7/6/2010<br>6/7/2010<br>6/29/2010 | Solid |
| | | | | B18-PW12B | Biased | Grab | | | Solid |
| 3 | Wood - Bldg 17, 18 | Wooden Wall | -- | B18-W1 | Random | Grab/Chip | c0f180498_357464<br>C0F180503_357464 | 7/7/2010<br>7/16/2010 | Solid |
| | | Wood - Conveyor scaffolding | W1 COMP | B17-W1 | Random | Grab/Chip | c0f050489_357464<br>c0h230452_357464<br>C0H020464_357464 | 6/29/2010<br>9/3/2010<br>10/11/2010 | Solid |
| 4 | Glass/debris (15, 17, 21) + Hopper Solids | Glass/caulking - window | G1 COMP | B15-G1 | Random | Grab/Chip | c0f050489_357464<br>C0J110495_357465 | 6/29/2010<br>11/4/2010 | Solid |
| | | Glass/caulking - window | | B17-G1 | Random | Grab/Chip | | | Solid |
| | | Glass/caulking - window | | B21-G1 | Random | Grab/Chip | | | Solid |
| | | 3rd FL Hopper Debris | B15-PW | B15-PW1 | Biased | Grab | c0f100507_357464<br>C0H020464_357464 | 6/30/2010<br>10/11/2010 | Solid |
| | | 4th FL Hopper Debris | | B15-PW2 | Biased | Grab | | | Solid |
| 5 | Sump – Solids – Bldg 17 | Sump Bottom Solids | -- | B17-OW2 | Biased | Grab | C0F030608_savannah<br>c0f030608_357464<br>C0H020464_357464 | 6/24/2010<br>6/29/2010<br>10/11/2010 | Solid |
| 6 | Sumps - Liquids - Bldg 17 | Sump Liquids | -- | B17-OW1 | Biased | Grab | C0F030608_savannah<br>c0f030608_357464<br>C0H020464_357464 | 6/24/2010<br>6/29/2010<br>10/11/2010 | Aq |
| 7 | Sump (includes Bldg 18 sump under Still) | Sump Liquids + Solids | -- | B18-PW3A | Biased | Grab | __20100813_121021<br>C0F080466 RJ Lee report<br>C0F080466_357464 | 6/11/2010<br>6/11/2010<br>6/29/2010 | Aq |
| 8 | Receiving tanks/process pipes/condensers – Solid | Vaccum Seal Tank | -- | B18-PW6 | Biased | Grab/wipe | C0F180498_357464 | 7/7/2010 | Solid |
| | | 2nd FL Receiving Tank 1 | B18-RT-COMP | B18-PW4 | Biased | Grab | C0E270481_savannah<br>C0E270481_357464<br>c0e280632_357464 | 6/24/2010<br>6/29/2010<br>7/6/2010 | Solid |
| | | 2nd FL Receiving Tank 2 | | B18-PW5 | Biased | Grab | | | Solid |
| | | Vapor Separator/Pre-cooler(7th FL) | B18-PM-COMP | B18-PW7 | Biased | Grab | C0E270481_savannah<br>c0e270481_357464<br>c0e280632_357464 | 6/24/2010<br>6/29/2010<br>7/6/2010 | Solid |
| | | Water Heater/Condenser (7th FL) | | B18-PW8A | Biased | Grab | | | Solid |
| | | Water Heater/Condenser (7th FL) | | B18-PW8B | Biased | Grab | | | Solid |
| | | Process Pipes - Chemicals (Ground FL) | | B18-PW9A | Biased | Grab | | | Solid |
| | | Process Pipes - Chemicals (Ground FL) | | B18-PW9B | Biased | Grab | | | Solid |
| | | Liquid - Process Pipes (only VOC - not enough material) | - | B18-PW10A | Biased | Grab | | | Aq |
| 9 | Drums – Solids – Bldg 18 – TSCA waste (PCB>50) | 13 Drums Solids - Dioxin Investigation Debris | B18-PW11 | B18-PW11A | Biased | Grab | C0F100507_savannah<br>c0f100507_357464<br>C0F100513_357464 | 6/27/2010<br>6/30/2010<br>7/29/2010 | Solid |
| | | | | B18-PW11B | Biased | Grab | | | Solid |
| | | | | B18-PW11C | Biased | Grab | | | Solid |
| 10 | Drums - liquids - Bldg 18 | Drums Liquids (PID- 1.7)~45 gal | -- | B18-PW11D | Biased | Grab | C0F100507_savannah<br>c0f100507_357464<br>C0F100513_357464 | 6/27/2010<br>6/30/2010<br>7/29/2010 | Aq |
| | | Drums Liquids - PID =320 (sodium Glu.~15 gal) | -- | B18-PW11E | Biased | Grab | | | Aq |
| 11 | Wood – Building 15 and 21 – Haz waste (TCLP chromium > 5) | Wood | W1 COMP | B15-W1 | Random | Grab/Chip | c0f050489_357464<br>c0h230452_357464<br>C0H020464_357464 | 6/29/2010<br>9/3/2010<br>10/11/2010 | Solid |
| | | Wood | | B15-W2 | Random | Grab/Chip | | | Solid |
| | | Wood - Ceiling beam | | B21-W1 | Random | Grab/Chip | | | Solid |
| 12 | Glass/debris – Bldg 18 – Haz waste | Glass/caulking - window | B18-G-COMP | B18-G1 | Random | Grab/Chip | c0f080466_357464<br>c0F080511_357464<br>c0h230452_357464 | 6/29/2010<br>7/19/2010<br>9/3/2010 | Solid |
| | | Shop Rags on 2nd FL | | B18-G2 | Random | Grab/Chip | | | Solid |
| | | Debris - Broken Drum | | B18-G3 | Random | Grab/Chip | | | Solid |

**Legend**

Lab report/data included

STANDARD CHLORINE CHEMICAL CO., INC.
PENINSULA RESTORATION GROUP
KEARNY, NEW JERSEY

| PARAMETER | UNITS | B17-OW1 6/2/2010 | B18-PW10A 5/27/2010 | B18-PW11D 6/9/2010 | B18-PW11E 6/9/2010 | B18-PW11E* 6/9/2010 | B18-PW3A 6/7/2010 |
|---|---|---|---|---|---|---|---|
| **RCRA CHARACTERISTICS** | | | | | | | |
| Ammonia Nitrogen | mg/l | 0.32 J | NA | 1.7 | 0.42 | NA | NA |
| BTU | BTU/lb | 2 U | NA | 2 U | 2 U | NA | NA |
| Flashpoint/Ignitability | Degrees F | >200 | NA | >200 | >200 | NA | >200 |
| pH | S.U. | 7.1 | NA | 7.6 | 7.9 | NA | 9.1 |
| Total Organic Halogens | ug/l | 91.5 | NA | 2280 | 8290 | NA | NA |
| Total Sulfide | mg/l | 0.59 U | NA | 19 | 3 | NA | 0.59 U |
| Total Cyanide | ug/l | 11.8 | NA | 95.2 J | 400 J | NA | 144 |
| **TCLP VOCs** | | | | | | | |
| 1,1-Dichloroethylene | mg/l | 0.043 U | NA | 0.043 U | 0.043 U | NA | 0.043 U |
| 1,2-Dichloroethane | mg/l | 0.038 U | NA | 0.038 U | 0.038 U | NA | 0.038 U |
| 2-Butanone | mg/l | 0.043 U | NA | 0.043 U | 0.043 U | NA | 0.043 U |
| Benzene | mg/l | 0.040 U | NA | 0.040 U | 0.040 U | NA | 0.040 U |
| Carbon Tetrachloride | mg/l | 0.043 U | NA | 0.043 U | 0.043 U | NA | 0.043 U |
| Chlorobenzene | mg/l | 0.021 U | NA | 0.021 U | 0.021 U | NA | 0.021 U |
| Chloroform | mg/l | 0.040 U | NA | 0.040 U | 0.040 U | NA | 0.040 U |
| Tetrachloroethylene | mg/l | 0.033 U | NA | 0.033 U | 0.033 U | NA | 0.033 U |
| Trichloroethylene | mg/l | 0.032 U | NA | 0.032 U | 0.032 U | NA | 0.032 U |
| Vinyl chloride | mg/l | 0.052 U | NA | 0.052 U | 0.052 U | NA | 0.052 U |
| **TCLP SVOCs** | | | | | | | |
| 1,4-Dichlorobenzene | mg/l | 0.0012 U | NA | 0.0012 J | 0.0012 U | NA | 0.0012 U |
| 2,4,5-Trichlorophenol | mg/l | 0.0013 U | NA | 0.0013 U | 0.0013 U | NA | 0.0013 U |
| 2,4,6-Trichlorophenol | mg/l | 0.0011 U | NA | 0.0033 J | 0.048 J | NA | 0.0011 U |
| 2,4-Dinitrotoluene | mg/l | 0.0010 U | NA | 0.0010 U | 0.0010 U | NA | 0.0010 U |
| Cresols | mg/l | 0.0040 U | NA | 0.0040 U | 0.0040 U | NA | 0.0040 U |
| Hexachlorobenzene | mg/l | 0.0011 U | NA | 0.0076 J | 0.095 | NA | 0.0011 U |
| Hexachlorobutadiene | mg/l | 0.0013 U | NA | 0.0013 U | 0.0013 U | NA | 0.0013 U |
| Hexachloroethane | mg/l | 0.0013 U | NA | 0.0013 U | 0.0013 U | NA | 0.0013 U |
| Nitrobenzene | mg/l | 0.0013 U | NA | 0.0013 U | 0.0013 U | NA | 0.0013 U |
| Pentachlorophenol | mg/l | 0.0022 U | NA | 0.032 J | 0.041 J | NA | 0.0022 U |
| Pyridine | mg/l | 0.00083 U | NA | 0.00083 U | 0.00083 U | NA | 0.00083 U |
| **TCLP Metals** | | | | | | | |
| Arsenic | mg/l | 0.022 B | NA | 0.022 U | 0.023 B | NA | 0.022 U |
| Barium | mg/l | 0.11 BJ | NA | 0.01 B | 0.059 B | NA | 0.036 B |
| Cadmium | mg/l | 0.0024 U | NA | 0.0024 U | 0.0024 U | NA | 0.0024 U |
| Chromium | mg/l | 0.0084 U | NA | 0.13 J | 1 | NA | 0.0084 U |
| Lead | mg/l | 0.014 U | NA | 0.022 B | 0.44 | NA | 0.014 U |
| Mercury | mg/l | 0.00014 B | NA | 0.00038 U | 0.0028 | NA | 0.00038 U |
| Selenium | mg/l | 0.021 U | NA | 0.021 U | 0.021 U | NA | 0.027 B |
| Silver | mg/l | 0.0058 U | NA | 0.0058 U | 0.0058 B | NA | 0.0058 U |
| **TCLP Pesticides** | | | | | | | |
| Chlordane | mg/l | 0.00066 U | NA | 0.00066 U | 0.00066 U | NA | 0.00066 U |
| Endrin | mg/l | 0.00039 U | NA | 0.00039 U | 0.00039 U | NA | 0.00039 U |
| Heptachlor | mg/l | 0.00040 U | NA | 0.00040 U | 0.00069 PG | NA | 0.00040 U |
| Heptachlor epoxide | mg/l | 0.00039 U | NA | 0.00039 U | 0.0005 | NA | 0.00039 U |
| Lindane | mg/l | 0.00032 U | NA | 0.00091 | 0.00032 U | NA | 0.00032 U |
| Methoxychlor | mg/l | 0.00037 U | NA | 0.00037 U | 0.00037 U | NA | 0.00037 U |
| Toxaphene | mg/l | 0.0074 U | NA | 0.0074 U | 0.0074 U | NA | 0.0074 U |
| **TCLP Herbicides** | | | | | | | |
| 2,4-D | mg/l | 0.0045 U | NA | 0.013 J | 0.0045 U | NA | 0.0045 U |
| Silvex | mg/l | 0.0011 U | NA | 0.0013 J | 0.0011 U | NA | 0.0011 U |
| **Total PCBs** | | | | | | | |
| Aroclor 1016 | ug/l | 0.098 U | NA | 5.5 U | 5.5 U | NA | 0.47 U |
| Aroclor 1221 | ug/l | 0.097 U | NA | 5.4 U | 5.5 U | NA | 0.47 U |
| Aroclor 1232 | ug/l | 0.11 U | NA | 6.4 U | 6.4 U | NA | 0.55 U |
| Aroclor 1242 | ug/l | 0.072 U | NA | 4 U | 4.1 U | NA | 0.35 U |
| Aroclor 1248 | ug/l | 0.088 U | NA | 4.9 U | 5 U | NA | 330 |
| Aroclor 1254 | ug/l | 0.089 U | NA | 5 U | 5 U | NA | 130 |
| Aroclor 1260 | ug/l | 0.053 U | NA | 2.9 U | 3 U | NA | 0.26 U |
| Aroclor 1262 | ug/l | 0.08 U | NA | 4.5 U | 4.5 U | NA | 0.39 U |
| Aroclor 1268 | ug/l | 0.11 U | NA | 5.9 U | 6 U | NA | 0.51 U |
| **Total VOCs** | | | | | | | |
| 1,1,1-Trichloroethane | ug/l | 1 U | 41 U | 10 U | 10 U | NA | 1 U |
| 1,1,2,2-Tetrachloroethane | ug/l | 0.93 U | 37 U | 9.3 U | 9.3 U | NA | 0.93 U |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ug/l | 0.33 U | 13 U | 3.3 U | 3.3 U | NA | 0.33 U |
| 1,1,2-Trichloroethane | ug/l | 1.2 U | 46 U | 12 U | 12 U | NA | 1.2 U |
| 1,1-Dichloroethane | ug/l | 1 U | 41 U | 10 U | 10 U | NA | 1 U |
| 1,1-Dichloroethylene | ug/l | 1.1 U | 43 U | 11 U | 11 U | NA | 1.1 U |
| 1,2,4-Trichlorobenzene | ug/l | 0.38 U | 1700 | 79 | 55 | NA | 1 J |
| 1,2-Dibromoethane | ug/l | 0.61 U | 24 U | 6.1 U | 6.1 U | NA | 0.61 U |
| 1,2-Dichlorobenzene | ug/l | 2.4 J | 380 | 22 J | 8.8 J | NA | 1.1 J |
| 1,2-Dichloroethane | ug/l | 0.96 U | 38 U | 9.6 U | 9.6 U | NA | 0.96 U |
| 1,2-Dichloropropane | ug/l | 1.3 U | 51 U | 13 U | 13 U | NA | 1.3 U |
| 1,3-Dichlorobenzene | ug/l | 1 J | 180 J | 5.1 U | 5.4 J | NA | 11 |
| 1,4-Dichlorobenzene | ug/l | 4.6 J | 150 J | 6.9 J | 7.2 J | NA | 10 |
| 2-Butanone | ug/l | 1.1 U | 43 U | 11 U | 11 U | NA | 1.1 U |
| 2-Hexanone | ug/l | 0.57 U | 23 U | 5.7 U | 5.7 U | NA | 0.57 U |
| 4-Methyl-2-pentanone | ug/l | 0.59 U | 24 U | 5.9 U | 5.9 U | NA | 0.59 U |
| Acetone | ug/l | 39 | 200 U | 50 U | 50 U | NA | 7.5 J |
| Benzene | ug/l | 0.99 U | 40 U | 9.9 U | 9.9 U | NA | 0.99 U |
| Bromodichloromethane | ug/l | 0.93 U | 37 U | 9.3 U | 9.3 U | NA | 0.93 U |
| Bromoform | ug/l | 1.1 U | 43 U | 11 U | 11 U | NA | 1.1 U |
| Bromomethane | ug/l | 1.6 U | 63 U | 16 U | 16 U | NA | 1.6 U |
| Carbon disulfide | ug/l | 1.1 U | 43 U | 11 U | 11 U | NA | 1.1 U |
| Carbon Tetrachloride | ug/l | 1.1 U | 43 U | 11 U | 11 U | NA | 1.1 U |
| Chlorobenzene | ug/l | 1.4 J | 21 U | 5.3 U | 5.3 U | NA | 20 |
| Chloroethane | ug/l | 0.75 U | 30 U | 7.5 U | 7.5 U | NA | 0.75 U |
| Chloroform | ug/l | 1 U | 40 U | 10 U | 10 U | NA | 1 U |
| Chloromethane | ug/l | 1.4 U | 56 U | 14 U | 14 U | NA | 1.4 U |
| cis-1,2-Dichloroethylene | ug/l | 0.67 U | 27 U | 6.7 U | 6.7 U | NA | 0.67 U |
| cis-1,3-Dichloropropene | ug/l | 0.73 U | 29 U | 7.3 U | 7.3 U | NA | 0.73 U |
| Cyclohexane | ug/l | 0.6 U | 24 U | 6 U | 6 U | NA | 0.6 U |
| Dibromochloropropane | ug/l | 0.35 U | 14 U | 3.5 U | 3.5 U | NA | 0.35 U |
| Dibromochloromethane | ug/l | 0.65 U | 26 U | 6.5 U | 6.5 U | NA | 0.65 U |
| Dichlorodifluoromethane | ug/l | 0.64 U | 25 U | 6.4 U | 6.4U | NA | 0.64 U |
| Ethylbenzene | ug/l | 1.2 J | 25 U | 21 J | 6.2 U | NA | 0.62 U |
| Isopropylbenzene | ug/l | 0.53 U | 21 U | 8.6 J | 5.3 U | NA | 0.53 U |
| Methyl Acetate | ug/l | 1.2 U | 49 U | 12 U | 12 U | NA | 1.2 U |
| Methylcyclohexane | ug/l | 0.56 U | 22 U | 5.6 U | 5.6 U | NA | 0.56 U |
| Methylene chloride | ug/l | 1.1 U | 44 U | 11 U | 11 U | NA | 1.1 U |
| Methyltert-butylether | ug/l | 1 U | 41 U | 10 U | 10 U | NA | 1 U |
| Styrene | ug/l | 0.64 U | 26 U | 6.4 U | 6.4 U | NA | 0.64 U |
| Tetrachloroethylene | ug/l | 0.82 U | 33 U | 8.2 U | 8.2 U | NA | 0.82 U |
| Toluene | ug/l | 2.9 J | 34 U | 13 J | 8.5 U | NA | 0.85 U |
| trans-1,2-Dichloroethene | ug/l | 0.75 U | 30 U | 7.5 U | 7.5 U | NA | 0.75 U |
| Trans-1,3-Dichloropropene | ug/l | 0.58 U | 23 U | 5.8 U | 5.8 U | NA | 0.58 U |
| Trichloroethylene | ug/l | 0.8 U | 32 U | 8 U | 8 U | NA | 0.8 U |
| Trichlorofluoromethane | ug/l | 1.1 U | 45 U | 11 U | 11 U | NA | 1.1 U |
| Vinyl chloride | ug/l | 1.3 U | 52 U | 13 U | 13 U | NA | 1.3 U |
| Xylene (total) | ug/l | 4.1 J | 79 U | 130 J | 20 U | NA | 2 U |

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| PARAMETER | UNITS | B17-OW1 6/2/2010 | B18-PW10A 5/27/2010 | B18-PW11D 6/9/2010 | B18-PW11E 6/9/2010 | B18-PW11E* 6/9/2010 | B18-PW3A 6/7/2010 |
|---|---|---|---|---|---|---|---|
| **Total SVOCs** | | | | | | | |
| 1,1'-Biphenyl | ug/l | 5 J | NA | 13 U | 12 U | NA | 0.4 U |
| 2,2'-oxybis(1-chloropropane) | ug/l | 0.96 U | NA | 6.1 U | 5.8 U | NA | 0.19 U |
| 2,4,5-Trichlorophenol | ug/l | 7.4 U | NA | 47 U | 45 U | NA | 1.5 U |
| 2,4,6-Trichlorophenol | ug/l | 8.5 U | NA | 54 U | 51 U | NA | 1.7 U |
| 2,4-Dichlorophenol | ug/l | 1.6 U | NA | 10 U | 9.8 U | NA | 0.32 U |
| 2,4-Dimethylphenol | ug/l | 4.1 U | NA | 26 U | 25 U | NA | 0.83 U |
| 2,4-Dinitrophenol | ug/l | 30 U | NA | 190 U | 180 U | NA | 5.9 U |
| 2,4-Dinitrotoluene | ug/l | 2.6 U | NA | 17 U | 16 U | NA | 0.52 U |
| 2,6-Dinitrotoluene | ug/l | 3.9 U | NA | 25 U | 23 U | NA | 0.77 U |
| 2-Chloronaphthalene | ug/l | 0.73 U | NA | 4.7 U | 4.4 U | NA | 0.15 U |
| 2-Chlorophenol | ug/l | 8 U | NA | 51 U | 49 U | NA | 1.6 U |
| 2-Methylnaphthalene | ug/l | 35 | NA | 1700 | 560 | NA | 0.12 U |
| 2-Methylphenol | ug/l | 4.2 U | NA | 27 U | 25 U | NA | 0.84 U |
| 2-Nitroaniline | ug/l | 17 U | NA | 110 U | 100 U | NA | 3.4 U |
| 2-Nitrophenol | ug/l | 8.3 U | NA | 53 U | 50 U | NA | 1.7 U |
| 3,3-Dichlorobenzidine | ug/l | 5.4 U | NA | 35 U | 33 U | NA | 1.1 U |
| 3-Nitroaniline | ug/l | 16 U | NA | 99 U | 94 U | NA | 3.1 U |
| 4,6-Dinitro-2-methylphenol | ug/l | 11 U | NA | 68 U | 65 U | NA | 2.1 U |
| 4-Bromophenylphenyl ether | ug/l | 3.1 U | NA | 20 U | 19 U | NA | 0.62 U |
| 4-Chloro-3-methylphenol | ug/l | 3.7 U | NA | 23 U | 22 U | NA | 0.73 U |
| 4-Chloroaniline | ug/l | 4.3 U | NA | 27 U | 26 U | NA | 0.86 U |
| 4-Chlorophenyl phenyl ether | ug/l | 2.4 U | NA | 16 U | 15 U | NA | 0.49 U |
| 4-Methylphenol | ug/l | 4.4 U | NA | 28 U | 27 U | NA | 0.87 U |
| 4-Nitroaniline | ug/l | 8.4 U | NA | 53 U | 51 U | NA | 1.7 U |
| 4-Nitrophenol | ug/l | 29 U | NA | 190 U | 180 U | NA | 5.9 U |
| Acenaphthene | ug/l | 30 | NA | 330 | 350 | NA | 0.14 U |
| Acenaphthylene | ug/l | 16 | NA | 54 J | 50 J | NA | 0.15 U |
| Acetophenone | ug/l | 3.9U | NA | 25 U | 24 U | NA | 0.78 U |
| Anthracene | ug/l | 65 | NA | 170 | 240 | NA | 0.15 U |
| Atrazine | ug/l | 4.3 U | NA | 28 U | 26 U | NA | 0.87 U |
| Benzaldehyde | ug/l | 7.3 U | NA | 46 U | 44 U | NA | 1.5 U |
| Benzo(a)anthracene | ug/l | 110 | NA | 4.5 U | 4.3 U | NA | 1.3 J |
| Benzo(a)pyrene | ug/l | 85 | NA | 4.1 U | 50 J | NA | 1 J |
| Benzo(b)fluoranthene | ug/l | 110 | NA | 39 J | 74 | NA | 2.6 |
| Benzo(ghi)perylene | ug/l | 63 | NA | 100 | 130 | NA | 0.86 J |
| Benzo(k)fluoranthene | ug/l | 2.7 U | NA | 17 U | 16 U | NA | 0.53 U |
| Bis(2-chloroethoxy)methane | ug/l | 2.8 U | NA | 18 U | 17 U | NA | 0.56 U |
| Bis(2-chloroethyl)ether | ug/l | 1.2 U | NA | 7.7 U | 7.4 U | NA | 0.24 U |
| bis(2-Ethylhexyl) phthalate | ug/l | 39 U | NA | 250 U | 330 | NA | 7.7 U |
| Butyl benzyl phthalate | ug/l | 6.9 U | NA | 44 U | 42 U | NA | 1.4 U |
| Caprolactam | ug/l | 58 U | NA | 370 U | 350 U | NA | 12 U |
| Carbazole | ug/l | 23 | NA | 71 | 24 J | NA | 0.15 U |
| Chrysene | ug/l | 110 | NA | 4.3 U | 4.1 U | NA | 2 |
| Dibenzo(a,h)anthracene | ug/l | 13 | NA | 4.8 U | 4.6 U | NA | 0.15 U |
| Dibenzofuran | ug/l | 25 J | NA | 340 | 270 J | NA | 0.6 U |
| Diethyl phthalate | ug/l | 7.1 U | NA | 45 U | 43 U | NA | 1.4 U |
| Dimethyl phthalate | ug/l | 3.7 U | NA | 24 U | 22 U | NA | 0.74 U |
| Di-n-butyl phthalate | ug/l | 6.1 U | NA | 39 U | 37 U | NA | 1.2 U |
| Di-n-octyl phthalate | ug/l | 10 U | NA | 64 U | 61 U | NA | 2 U |
| Fluoranthene | ug/l | 260 | NA | 150 | 240 | NA | 2.8 |
| Fluorene | ug/l | 30 | NA | 260 | 240 | NA | 0.21 U |
| Hexachlorobenzene | ug/l | 0.89 U | NA | 3700 | 4000 | NA | 0.18 U |
| Hexachlorobutadiene | ug/l | 0.81 U | NA | 5.1 U | 4.9 U | NA | 0.16 U |
| Hexachlorocyclopentadiene | ug/l | 2.5 U | NA | 16 U | 15 U | NA | 0.5 U |
| Hexachloroethane | ug/l | 3 U | NA | 19 U | 18 U | NA | 0.61 U |
| Indeno(1,2,3-cd)pyrene | ug/l | 48 | NA | 6.1 U | 5.9 U | NA | 0.78 J |
| Isophorone | ug/l | 3.1 U | NA | 20 U | 19 U | NA | 0.62 U |
| Naphthalene | ug/l | 5000 | NA | 48000 | 42000 | NA | 0.87 J |
| Nitrobenzene | ug/l | 4.1 U | NA | 26 U | 25 U | NA | 0.82 U |
| N-Nitrosodiphenylamine | ug/l | 4.1 U | NA | 26 U | 25 U | NA | 0.83 U |
| N-Nitrosodipropylamine | ug/l | 1.5 U | NA | 9.5 U | 9.1 U | NA | 0.3 U |
| Pentachlorophenol | ug/l | 3.2 U | NA | 20 U | 19 U | NA | 0.64 U |
| Phenanthrene | ug/l | 340 | NA | 540 | 670 | NA | 0.79 J |
| Phenol | ug/l | 2.8 U | NA | 18 U | 17 U | NA | 0.56 U |
| Pyrene | ug/l | 260 | NA | 97 | 180 | NA | 2.2 |
| **Total Metals** | | | | | | | |
| Aluminum | ug/l | 2820 | NA | 8640 J | 18200 J | NA | 110000 J |
| Antimony | ug/l | 2 B | NA | 29 B | 46.4 B | NA | 2290 |
| Arsenic | ug/l | 16.3 | NA | 32.6 B | 49.2 B | NA | 106 |
| Barium | ug/l | 772 | NA | 101 B | 237 B | NA | 2220 |
| Beryllium | ug/l | 0.23 U | NA | 1.2 U | 1.2 U | NA | 1.2 U |
| Cadmium | ug/l | 2.9 B | NA | 0.65 U | 0.65 U | NA | 123 |
| Calcium | ug/l | 38600 | NA | 72400 | 109000 | NA | 547000 |
| Chromium | ug/l | 408 | NA | 2950 | 7590 | NA | 26100 |
| Cobalt | ug/l | 7.3 B | NA | 36.4 B | 111 B | NA | 354 |
| Copper | ug/l | 84.1 | NA | 158 | 283 | NA | 2120 |
| Iron | ug/l | 14800 | NA | 35400 | 75000 | NA | 1110000 |
| Lead | ug/l | 308 | NA | 804 | 2050 | NA | 6370 |
| Magnesium | ug/l | 28100 | NA | 89500 | 141000 | NA | 779000 |
| Manganese | ug/l | 509 | NA | 370 | 849 | NA | 8330 |
| Mercury | ug/l | 0.83 J | NA | 11.2 J | 27.2 J | NA | 14 |
| Nickel | ug/l | 35.4 B | NA | 1090 | 1380 | NA | 2720 |
| Potassium | ug/l | 19700 | NA | 33100 | 10100 B | NA | 175000 |
| Selenium | ug/l | 4.9 B | NA | 15.2 U | 19.2 B | NA | 15.2 U |
| Silver | ug/l | 0.68 U | NA | 3.4 U | 3.4 U | NA | 14.4 B |
| Sodium | ug/l | 279000 | NA | 1250000 | 1090000 | NA | 3230000 |
| Thallium | ug/l | 2.4 U | NA | 12 B | 24.2 B | NA | 33 B |
| Vanadium | ug/l | 48.7 B | NA | 438 | 1260 | NA | 2500 |
| Zinc | ug/l | 1210 | NA | 1460 | 3260 | NA | 19800 J |
| **Dioxins/Furans** | | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | pg/l | NA | NA | 47000000 EGB | 16000000 EGBS | 250000000 | 210 B |
| 1,2,3,4,6,7,8-HpCDD | pg/l | NA | NA | 690000 B | 1500000 EB | 2200000 J | 5.7 U |
| 1,2,3,7,8,9-HxCDF | pg/l | NA | NA | 9700 JQB | 50000 G | 1600000 J | 12 U |
| 1,2,3,4,7,8,9-HpCDF | pg/l | NA | NA | 1300000 GB | 6000000 EGB | 7300000 J | 10 U |
| 1,2,3,4,7,8-HxCDF | pg/l | NA | NA | 8100000 B | 7600000 EBGQS | 41000000 | 63 JB |
| 1,2,3,4,7,8-HxCDD | pg/l | NA | NA | 120000 | 330000 | 930000 U | 11 U |
| 1,2,3,6,7,8-HxCDF | pg/l | NA | NA | 2300000 | 3300000 EBG | 4800000 J | 9.9 U |
| 1,2,3,6,7,8-HxCDD | pg/l | NA | NA | 290000 | 620000 | 930000 U | 9.5 U |
| 1,2,3,7,8,9-HxCDD | pg/l | NA | NA | 87000 | 300000 | 810000 U | 9.3 U |
| 1,2,3,7,8-PeCDF | pg/l | NA | NA | 200000 G | 380000 | 2900000 J | 5 U |
| 1,2,3,7,8-PeCDD | pg/l | NA | NA | 170000 | 380000 G | 1400000 U | 14 U |
| 2,3,4,6,7,8-HxCDF | pg/l | NA | NA | 670000 B | 1300000 EG | 2000000 J | 11 U |
| 2,3,4,7,8-PeCDF | pg/l | NA | NA | 1200000 G | 2600000 E | 3700000 J | 13 JQ |
| 2,3,7,8-TCDF | pg/l | NA | NA | 95000 B | 220000 EGB | 3600000 J | 30 B |
| 2,3,7,8-TCDD | pg/l | NA | NA | 45000 Q | 68000 G | 1200000 U | 3.5 U |
| OCDF | pg/l | NA | NA | 150000000 EGB | 58000000 EBS | 910000000 | 430 B |
| OCDD | pg/l | NA | NA | 1500000 B | 3800000 EB | 5500000 J | 10 JB |
| Total HpCDD | pg/l | NA | NA | 1600000 B | 3400000 EB | 4800000 J | 5.7 U |
| Total HpCDF | pg/l | NA | NA | 53000000 BE | 32000000 EGBS | 280000000 | 230 JB |
| Total HxCDD | pg/l | NA | NA | 2300000 JQB | 4600000 | 5500000 | 11 U |
| Total HxCDF | pg/l | NA | NA | 24000000 JQB | 29000000 EBGQS | 76000000 | 91 JB |
| Total PeCDD | pg/l | NA | NA | 2200000 JQB | 4300000 GQ | 11000000 J | 20 JQB |
| Total PeCDF | pg/l | NA | NA | 7900000 JQGB | 15000000 E | 25000000 J | 68 JQB |
| Total TCDD | pg/l | NA | NA | 1200000 Q | 3200000 GQ | 3100000 | 27 UG |
| Total TCDF | pg/l | NA | NA | 4000000 B | 7600000 EGB | 17000000 | 720 JB |

Notes:
[1]: Waste Classification Request Form [HWM-009 (6/22/09)] Appendix 4.
PCB standard from TSCA 40 CFR 761.
S.U. - Standard units
ug/kg - micrograms per kilogram
mg/kg - milligrams per kilogram
mg/l - milligrans per liter
G - elevated reporting limit

U - constituent not detected at reported concentration
J - estimated result, for organics
J - method blank contamination, for inorganics
B - estimated result, for inorganics
PG - the percent difference between the original and conformation analyses is greater than 40%
* - methods 8290 and 8280A were used to analyze dioxins; both results are shown
E - estmated result exceeding calibration range
Q - estimated maximum possible concentration
S - ion suppression

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KEARNY, NEW JERSEY

| | | | Sample Name | ACM | A-16 | A-19/20 | B15-PW | B1521-M1 | B15-W1 | B15-W2 | B17-M1 | B17-M2 | B17-M3 | B17-M4 | B17-OW2 | B17-W1 | B18-A | B18-A3 | B18-A4 | B18-A5 | B18-A6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Sample Date | 6/3/2010 | 8/4/2010 | 8/4/2010 | 6/8/2010 | 6/1/2010 | 6/4/2010 | 6/4/2010 | 6/1/2010 | 6/2/2010 | 6/1/2010 | 6/2/2010 | 6/2/2010 | 6/4/2010 | 6/3/2010 | 6/10/2010 | 6/10/2010 | 6/10/2010 | 6/10/2010 |
| **PARAMETER** | **UNITS** | **RCRA LIMITS[1]** | **TEF** | | | | | | | | | | | | | | | | | | |
| **RCRA CHARACTERISTICS** | | | | | | | | | | | | | | | | | | | | | |
| Ammonia Nitrogen | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 12.6 J | NA | NA | NA | NA | NA | NA |
| BTU | BTU/lb | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 2 U | NA | NA | NA | NA | NA | NA |
| Flashpoint/Ignitability | Degrees F | <140 | NA | No | NA | NA | No | No | NA | NA | No | No | No | No | No | NA | No | NA | NA | NA | NA |
| pH | S.U. | <=2 or >=12.5 | NA | 9.1 | NA | NA | 5.7 | 11 | NA | NA | 10.5 | 10.2 | 9.3 | 9 | 8.2 | NA | 8.9 | NA | NA | NA | NA |
| Total Organic Halogens | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 44.3 U | NA | NA | NA | NA | NA | NA |
| Total Sulfide | mg/kg | 500 | NA | 6.2 U | NA | NA | 29 B | 28.1 B | NA | NA | 166 | 12.2 B | 106 | 73.5 | 17.2 B | NA | 17.9 B | NA | NA | NA | NA |
| Total Cyanide | mg/kg | 250 | NA | 0.23 B | NA | NA | 0.91 J | 1.2 | NA | NA | 3.6 | 7.9 | 1.7 | 3.5 | 4.2 | NA | 0.26 B | NA | NA | NA | NA |
| **TCLP VOCs** | | | | | | | | | | | | | | | | | | | | | |
| 1,1-Dichloroethylene | mg/l | 0.7 | NA | 0.043 U | NA | NA | 0.043 U | 0.043 U | NA | NA | 0.043 U | 0.043 U | 0.043 U | 0.043 U | 0.043 U | NA | 0.043 U | NA | NA | NA | NA |
| 1,2-Dichloroethane | mg/l | 0.5 | NA | 0.038 U | NA | NA | 0.038 U | 0.038 U | NA | NA | 0.038 U | 0.038 U | 0.038 U | 0.038 U | 0.038 U | NA | 0.038 U | NA | NA | NA | NA |
| 2-Butanone | mg/l | 200 | NA | 0.043 U | NA | NA | 0.043 U | 0.043 U | NA | NA | 0.043 U | 0.043 U | 0.043 U | 0.043 U | 0.043 U | NA | 0.043 U | NA | NA | NA | NA |
| Benzene | mg/l | 0.5 | NA | 0.040 U | NA | NA | 0.040 U | 0.040 U | NA | NA | 0.040 U | 0.040 U | 0.040 U | 0.040 U | 0.040 U | NA | 0.040 U | NA | NA | NA | NA |
| Carbon Tetrachloride | mg/l | 0.5 | NA | 0.043 U | NA | NA | 0.043 U | 0.043 U | NA | NA | 0.043 U | 0.043 U | 0.043 U | 0.043 U | 0.043 U | NA | 0.043 U | NA | NA | NA | NA |
| Chlorobenzene | mg/l | 100 | NA | 0.021 U | NA | NA | 0.021 U | 0.021 U | NA | NA | 0.021 U | 0.021 U | 0.021 U | 0.021 U | 0.021 U | NA | 0.021 U | NA | NA | NA | NA |
| Chloroform | mg/l | 6 | NA | 0.040 U | NA | NA | 0.040 U | 0.040 U | NA | NA | 0.040 U | 0.040 U | 0.040 U | 0.040 U | 0.040 U | NA | 0.040 U | NA | NA | NA | NA |
| Tetrachloroethylene | mg/l | 0.7 | NA | 0.033 U | NA | NA | 0.033 U | 0.32 | NA | NA | 0.033 U | 0.033 U | 0.033 U | 0.033 U | 0.033 U | NA | 0.033 U | NA | NA | NA | NA |
| Trichloroethylene | mg/l | 0.5 | NA | 0.032 U | NA | NA | 0.032 U | 0.032 U | NA | NA | 0.032 U | 0.032 U | 0.032 U | 0.032 U | 0.032 U | NA | 0.032 U | NA | NA | NA | NA |
| Vinyl chloride | mg/l | 0.2 | NA | 0.052 U | NA | NA | 0.052 U | 0.052 U | NA | NA | 0.052 U | 0.052 U | 0.052 U | 0.052 U | 0.052 U | NA | 0.052 U | NA | NA | NA | NA |
| **TCLP SVOCs** | | | | | | | | | | | | | | | | | | | | | |
| 1,4-Dichlorobenzene | mg/l | 7.5 | NA | 0.0012 U | NA | NA | 0.0012 U | 0.0012 U | NA | NA | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | NA | 0.0012 U | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | mg/l | 400 | NA | 0.0013 U | NA | NA | 0.0013 U | 0.0013 U | NA | NA | 0.0013 U | 0.0013 U | 0.0013 U | 0.0013 U | 0.0013 U | NA | 0.0013 U | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | mg/l | 2 | NA | 0.0011 U | NA | NA | 0.0011 U | 0.0011 U | NA | NA | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | NA | 0.0011 U | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | mg/l | 0.13 | NA | 0.0010 U | NA | NA | 0.0010 U | 0.0010 U | NA | NA | 0.0010 U | 0.0010 U | 0.0010 U | 0.0010 U | 0.0010 U | NA | 0.0010 U | NA | NA | NA | NA |
| Cresols | mg/l | 200 | NA | 0.0040 U | NA | NA | 0.0040 U | 0.0040 U | NA | NA | 0.21 B | 0.8 B | 0.051 B | 0.035 JB | 0.013 JB | NA | 0.0040 U | NA | NA | NA | NA |
| Hexachlorobenzene | mg/l | 0.13 | NA | 0.0011 U | NA | NA | 0.0011 U | 0.0011 U | NA | NA | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | NA | 0.0011 U | NA | NA | NA | NA |
| Hexachlorobutadiene | mg/l | 0.5 | NA | 0.0013 U | NA | NA | 0.0013 U | 0.0013 U | NA | NA | 0.0013 U | 0.0013 U | 0.0013 U | 0.0013 U | 0.0013 U | NA | 0.0013 U | NA | NA | NA | NA |
| Hexachloroethane | mg/l | 3 | NA | 0.0013 U | NA | NA | 0.0013 U | 0.0013 U | NA | NA | 0.0013 U | 0.0013 U | 0.0013 U | 0.0013 U | 0.0013 U | NA | 0.0013 U | NA | NA | NA | NA |
| Nitrobenzene | mg/l | 2 | NA | 0.0013 U | NA | NA | 0.0013 U | 0.0013 U | NA | NA | 0.0013 U | 0.0013 U | 0.0013 U | 0.0013 U | 0.0013 U | NA | 0.0013 U | NA | NA | NA | NA |
| Pentachlorophenol | mg/l | 100 | NA | 0.0022 U | NA | NA | 0.0022 U | 0.0022 U | NA | NA | 0.0022 U | 0.0022 U | 0.0022 U | 0.0022 U | 0.0022 U | NA | 0.0022 U | NA | NA | NA | NA |
| Pyridine | mg/l | 5 | NA | 0.00083 U | NA | NA | 0.00083 U | 0.00083 U | NA | NA | 0.00083 U | 0.00083 U | 0.00083 U | 0.00083 U | 0.00083 U | NA | 0.00083 U | NA | NA | NA | NA |
| **TCLP Metals** | | | | | | | | | | | | | | | | | | | | | |
| Arsenic | mg/l | 5 | NA | 0.0034 B | NA | NA | 0.0022 U | 0.003 B | NA | NA | 0.006 B | 0.0047 B | 0.013 B | 0.0079 B | 0.0022 U | NA | 0.0067 B | NA | NA | NA | NA |
| Barium | mg/l | 100 | NA | 0.29 | NA | NA | 0.098 B | 0.15 B | NA | NA | 0.15 B | 0.16 B | 0.18 B | 0.13 B | 0.61 | NA | 0.3 | NA | NA | NA | NA |
| Cadmium | mg/l | 1 | NA | 0.00077 B | NA | NA | 0.065 | 0.001 B | NA | NA | 0.00024 U | 0.00024 U | 0.0028 B | 0.011 B | 0.0036 B | NA | 0.0055 B | NA | NA | NA | NA |
| Chromium | mg/l | 5 | NA | 0.064 | NA | NA | 0.059 | 0.017 B | 9.3 | 2.6 | 0.01 B | 0.0091 B | 0.059 | 0.048 B | 0.01 B | 0.99 | 0.037 B | NA | NA | NA | NA |
| Lead | mg/l | 5 | NA | 0.093 | NA | NA | 1 | 0.0014 U | NA | NA | 0.0014 U | 0.0014 U | 0.11 | 0.35 | 0.0084 B | NA | 0.017 B | NA | NA | NA | NA |
| Mercury | mg/l | 0.2 | NA | 0.000041 B | NA | NA | 0.00011 BJ | 0.000038 U | NA | NA | 0.000038 U | 0.000038 U | 0.000038 U | 0.000038 U | 0.000038 U | NA | 0.000041 B | NA | NA | NA | NA |
| Selenium | mg/l | 1 | NA | 0.007 BJ | NA | NA | 0.0043 B | 0.0091 BJ | NA | NA | 0.0071 BJ | 0.0063 BJ | 0.0068 BJ | 0.0094 BJ | 0.0055 BJ | NA | 0.0072 BJ | NA | NA | NA | NA |
| Silver | mg/l | 5 | NA | 0.00058 U | NA | NA | 0.00058 U | 0.00058 U | NA | NA | 0.00058 U | 0.00058 U | 0.00058 U | 0.00058 U | 0.00058 U | NA | 0.00058 U | NA | NA | NA | NA |
| **TCLP Pesticides** | | | | | | | | | | | | | | | | | | | | | |
| Chlordane | mg/l | 0.03 | NA | 0.00066 U | NA | NA | 0.00066 U | 0.00066 U | NA | NA | 0.00066 U | 0.00066 U | 0.00066 U | 0.00066 U | 0.00066 U | NA | 0.00066 U | NA | NA | NA | NA |
| Endrin | mg/l | 0.02 | NA | 0.00039 U | NA | NA | 0.00039 U | 0.00039 U | NA | NA | 0.00092 PG | 0.00039 U | 0.0023 | 0.0016 PG | 0.00039 U | NA | 0.00039 U | NA | NA | NA | NA |
| Heptachlor | mg/l | 0.008 | NA | 0.00040 U | NA | NA | 0.00040 U | 0.00040 U | NA | NA | 0.00040 U | 0.00040 U | 0.00040 U | 0.00040 U | 0.00040 U | NA | 0.00040 U | NA | NA | NA | NA |
| Heptachlor epoxide | mg/l | 0.008 | NA | 0.00039 U | NA | NA | 0.00039 U | 0.00039 U | NA | NA | 0.00039 U | 0.00039 U | 0.00039 U | 0.00039 U | 0.00039 U | NA | 0.00039 U | NA | NA | NA | NA |
| Lindane | mg/l | 0.4 | NA | 0.00032 U | NA | NA | 0.00032 U | 0.00032 U | NA | NA | 0.00032 U | 0.00032 U | 0.00032 U | 0.00032 U | 0.00032 U | NA | 0.00032 U | NA | NA | NA | NA |
| Methoxychlor | mg/l | 10 | NA | 0.00037 U | NA | NA | 0.00037 U | 0.00037 U | NA | NA | 0.0006 J | 0.00037 U | 0.0015 | 0.00052 JPG | 0.00037 U | NA | 0.00037 U | NA | NA | NA | NA |
| Toxaphene | mg/l | 0.7 | NA | 0.0074 U | NA | NA | 0.0074 U | 0.0074 U | NA | NA | 0.0074 U | 0.0074 U | 0.0074 U | 0.0074 U | 0.0074 U | NA | 0.0074 U | NA | NA | NA | NA |
| **TCLP Herbicides** | | | | | | | | | | | | | | | | | | | | | |
| 2,4-D | mg/l | 10 | NA | 0.0046 J | NA | NA | 0.0045 U | 0.0045 U | NA | NA | 0.0045 U | 0.0045 U | 0.0045 U | 0.0045 U | 0.0045 U | NA | 0.0045 U | NA | NA | NA | NA |
| Silvex | mg/l | 1 | NA | 0.0011 U | NA | NA | 0.0011 U | 0.0011 U | NA | NA | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | NA | 0.0011 U | NA | NA | NA | NA |
| **Total PCBs** | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | ug/kg | 50000 | NA | 2.5 U | NA | NA | 13 U | 26 U | NA | NA | 51 U | 2.5 U | 54 U | 2.6 U | 3.5 U | NA | 2.5 U | NA | NA | NA | NA |
| Aroclor 1221 | ug/kg | 50000 | NA | 3.3 U | NA | NA | 16 U | 33 U | NA | NA | 66 U | 3.2 U | 69 U | 3.3 U | 4.5 U | NA | 3.2 U | NA | NA | NA | NA |
| Aroclor 1232 | ug/kg | 50000 | NA | 2.9 U | NA | NA | 15 U | 30 U | NA | NA | 59 U | 2.9 U | 62 U | 3 U | 4 U | NA | 2.9 U | NA | NA | NA | NA |
| Aroclor 1242 | ug/kg | 50000 | NA | 2.8 U | NA | NA | 14 U | 28 U | NA | NA | 56 U | 2.8 U | 59 U | 2.8 U | 3.8 U | NA | 2.7 U | NA | NA | NA | NA |
| Aroclor 1248 | ug/kg | 50000 | NA | 1.6 U | NA | NA | 8.2 U | 16 U | NA | NA | 33 U | 1.6 U | 34 U | 1.6 U | 2.2 U | NA | 1.6 U | NA | NA | NA | NA |
| Aroclor 1254 | ug/kg | 50000 | NA | 2.4 U | NA | NA | 12 U | 25 U | NA | NA | 49 U | 2.4 U | 51 U | 2.5 U | 3.4 U | NA | 2.4 U | NA | NA | NA | NA |
| Aroclor 1260 | ug/kg | 50000 | NA | 2.4 U | NA | NA | 12 U | 25 U | NA | NA | 49 U | 2.4 U | 51 U | 2.5 U | 3.4 U | NA | 2.4 U | NA | NA | NA | NA |
| Aroclor 1262 | ug/kg | 50000 | NA | 3.7 U | NA | NA | 19 U | 38 U | NA | NA | 75 U | 3.7 U | 79 U | 3.8 U | 5.2 U | NA | 3.7 U | NA | NA | NA | NA |
| Aroclor 1268 | ug/kg | 50000 | NA | 2.2 U | NA | NA | 11 U | 22 U | NA | NA | 44 U | 2.2 U | 46 U | 2.2 U | 3 U | NA | 2.2 U | NA | NA | NA | NA |
| **Total VOCs** | | | | | | | | | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 74 U | NA | NA | 0.77 U | 0.67 U | 0.75 U | 0.71 U |
| 1,1,2,2-Tetrachloroethane | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 67 U | NA | NA | 1.1 U | 0.99 U | 1.1 U | 1.1 U |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 24 U | NA | NA | 1.7 U | 1.5 U | 1.6 U | 1.6 U |
| 1,1,2-Trichloroethane | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 83 U | NA | NA | 1.3 U | 1.1 U | 1.3 U | 1.2 U |
| 1,1-Dichloroethane | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 72 U | NA | NA | 0.91 U | 0.79 U | 0.88 U | 0.84 U |
| 1,1-Dichloroethylene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 76 U | NA | NA | 1.3 U | 1.2 U | 1.3 U | 1.2 U |
| 1,2,4-Trichlorobenzene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 72 J | NA | NA | 4.1 J | 11 | 110 | 22 |
| 1,2-Dibromoethane | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 44 U | NA | NA | 1.4 U | 1.2 U | 1.3 U | 1.3 U |
| 1,2-Dichlorobenzene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 49 U | NA | NA | 1.3 U | 1.1 U | 2.8 J | 1.2 U |
| 1,2-Dichloroethane | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 69 U | NA | NA | 0.97 U | 0.84 U | 0.94 U | 0.9 U |
| 1,2-Dichloropropane | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 91 U | NA | NA | 0.86 U | 0.74 U | 0.84 U | 0.8 U |
| 1,3-Dichlorobenzene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 36 U | NA | NA | 1 U | 0.9 U | 1 U | 0.96 U |
| 1,4-Dichlorobenzene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 38 U | NA | NA | 1 U | 0.87 U | 0.98 U | 0.94 U |
| 2-Butanone | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 78 U | NA | NA | 1.4 U | 1.2 U | 1.4 U | 1.3 U |
| 2-Hexanone | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 41 U | NA | NA | 1.1 U | 0.95 U | 1.1 U | 1 U |
| 4-Methyl-2-pentanone | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 42 U | NA | NA | 1 U | 0.89 U | 1 U | 0.96 U |
| Acetone | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 360 U | NA | NA | 7.9 U | 10 J | 7.7 U | 16 J |
| Benzene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 71 U | NA | NA | 1.1 U | 0.93 U | 1 U | 0.99 U |
| Bromodichloromethane | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 67 U | NA | NA | 0.89 U | 0.77 U | 0.86 U | 0.82 U |
| Bromoform | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 76 U | NA | NA | 0.7 U | 0.61 U | 0.68 U | 0.65 U |

STANDARD CHLORINE CHEMICAL CO., INC.
PENINSULA RESTORATION GROUP
KEARNY, NEW JERSEY

| | | | Sample Name | ACM | A-16 | A-19/20 | B15-PW | B1521-M1 | B15-W1 | B15-W2 | B17-M1 | B17-M2 | B17-M3 | B17-M4 | B17-OW2 | B17-W1 | B18-A | B18-A3 | B18-A4 | B18-A5 | B18-A6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Sample Date | 6/3/2010 | 8/4/2010 | 8/4/2010 | 6/8/2010 | 6/1/2010 | 6/4/2010 | 6/4/2010 | 6/1/2010 | 6/2/2010 | 6/1/2010 | 6/2/2010 | 6/2/2010 | 6/4/2010 | 6/3/2010 | 6/10/2010 | 6/10/2010 | 6/10/2010 | 6/10/2010 |
| **PARAMETER** | **UNITS** | **RCRA LIMITS[1]** | **TEF** | | | | | | | | | | | | | | | | | | |
| Bromomethane | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 110 U | NA | NA | 1.2 U | 1 U | 1.1 U | 1.1 U |
| Carbon disulfide | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 77 U | NA | NA | 0.81 U | 0.7 U | 0.79 U | 0.75 U |
| Carbon Tetrachloride | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 77 U | NA | NA | 0.7 U | 0.61 U | 0.69 U | 0.66 U |
| Chlorobenzene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 38 U | NA | NA | 1.2 U | 1 U | 1.2 U | 1.1 U |
| Chloroethane | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 53 U | NA | NA | 2.4 U | 2.1 U | 2.4 U | 2.3 U |
| Chloroform | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 72 U | NA | NA | 0.92 U | 0.8 U | 0.9 U | 0.86 U |
| Chloromethane | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 66 U | NA | NA | 1.3 U | 1.2 U | 1.3 U | 1.3 U |
| cis-1,2-Dichloroethylene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 48 U | NA | NA | 1.1 U | 0.96 U | 1.1 U | 1 U |
| cis-1,3-Dichloropropene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 52 U | NA | NA | 1.1 U | 0.93 U | 1 U | 1 U |
| Cyclohexane | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 43 U | NA | NA | 0.59 U | 0.51 U | 0.57 U | 0.55 U |
| Dibromochloropropane | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 25 U | NA | NA | 1.2 U | 1 U | 1.2 U | 1.1 U |
| Dibromochloromethane | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 46 U | NA | NA | 1.1 U | 0.97 U | 1.1 U | 1 U |
| Dichlorodifluoromethane | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 45 U | NA | NA | 1.1 U | 0.91 U | 1 U | 0.98 U |
| Ethylbenzene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 44 U | NA | NA | 1 U | 0.88 U | 1.6 J | 0.94 U |
| Isopropylbenzene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 38 U | NA | NA | 1.1 U | 0.93 U | 1 U | 1 U |
| Methyl Acetate | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 88 U | NA | NA | 1.4 U | 1.2 U | 1.4 U | 1.3 U |
| Methylcyclohexane | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 40 U | NA | NA | 1.1 U | 0.99 U | 1.1 U | 1.1 U |
| Methylene chloride | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 78 U | NA | NA | 1.1 U | 0.92 U | 1 U | 0.99 U |
| Methyltert-butylether | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 73 U | NA | NA | 1.2 U | 1 U | 1.1 U | 1.1 U |
| Styrene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 46 U | NA | NA | 1.1 U | 0.97 U | 1.1 U | 1 U |
| Tetrachloroethylene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 59 U | NA | NA | 1.1 U | 0.93 U | 1 U | 1 U |
| Toluene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 60 U | NA | NA | 1.2 U | 3.3 J | 25 | 1.1 U |
| trans-1,2-Dichloroethene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 54 U | NA | NA | 0.94 U | 0.82 U | 0.92 U | 0.88 U |
| Trans-1,3-Dichloropropene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 42 U | NA | NA | 0.94 U | 0.82 U | 0.92 U | 0.88 U |
| Trichloroethylene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 57 U | NA | NA | 1 U | 0.9 U | 1 U | 0.97 U |
| Trichlorofluoromethane | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 80 U | NA | NA | 1.4 U | 1.3 U | 1.4 U | 1.3 U |
| Vinyl chloride | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 92 U | NA | NA | 0.74 U | 0.64 U | 0.72 U | 0.69 U |
| Xylene (total) | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 180 J | NA | NA | 3.5 U | 3.1 U | 6.1 J | 3.3 U |
| **Total SVOCs** | | | | | | | | | | | | | | | | | | | | | |
| 1,1'-Biphenyl | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3200 J | NA | NA | NA | NA | NA | NA |
| 2,2'-oxybis(1-chloropropane) | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 200 U | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1000 U | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1400 U | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 190 U | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1500 U | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 11000 U | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 760 U | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 970 U | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 200 U | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 770 U | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 18000 | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 680 J | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 4200 U | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1000 U | NA | NA | NA | NA | NA | NA |
| 3,3-Dichlorobenzidine | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1000 U | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3900 U | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3800 U | NA | NA | NA | NA | NA | NA |
| 4-Bromophenylphenyl ether | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 820 U | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 870 U | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 760 U | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1000 U | NA | NA | NA | NA | NA | NA |
| 4-Methylphenol | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3000 J | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3800 U | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3200 U | NA | NA | NA | NA | NA | NA |
| Acenaphthene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 14000 | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 13000 | NA | NA | NA | NA | NA | NA |
| Acetophenone | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 780 U | NA | NA | NA | NA | NA | NA |
| Anthracene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 16000 | NA | NA | NA | NA | NA | NA |
| Atrazine | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 920 U | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1400 U | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 77000 | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 72000 | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 120000 | NA | NA | NA | NA | NA | NA |
| Benzo(ghi)perylene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 66000 | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 380 U | NA | NA | NA | NA | NA | NA |
| Bis(2-chloroethoxy)methane | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 620 U | NA | NA | NA | NA | NA | NA |
| Bis(2-chloroethyl)ether | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 250 U | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl) phthalate | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1500 U | NA | NA | NA | NA | NA | NA |
| Butyl benzyl phthalate | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1300 U | NA | NA | NA | NA | NA | NA |
| Caprolactam | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 7200 U | NA | NA | NA | NA | NA | NA |
| Carbazole | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 20000 | NA | NA | NA | NA | NA | NA |
| Chrysene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 97000 | NA | NA | NA | NA | NA | NA |
| Dibenzo(a,h)anthracene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 22000 | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 11000 | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1000 U | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1000 U | NA | NA | NA | NA | NA | NA |
| Di-n-butyl phthalate | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1200 U | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1000 U | NA | NA | NA | NA | NA | NA |
| Fluoranthene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170000 | NA | NA | NA | NA | NA | NA |
| Fluorene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 8600 | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 200 U | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 210 U | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1000 U | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 680 U | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 63000 | NA | NA | NA | NA | NA | NA |
| Isophorone | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 710 U | NA | NA | NA | NA | NA | NA |
| Naphthalene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 31000 | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 790 U | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 870 U | NA | NA | NA | NA | NA | NA |
| N-Nitrosodipropylamine | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 220 U | NA | NA | NA | NA | NA | NA |

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| | | | Sample Name<br>Sample Date | ACM<br>6/3/2010 | A-16<br>8/4/2010 | A-19/20<br>8/4/2010 | B15-PW<br>6/8/2010 | B1521-M1<br>6/1/2010 | B15-W1<br>6/4/2010 | B15-W2<br>6/4/2010 | B17-M1<br>6/1/2010 | B17-M2<br>6/2/2010 | B17-M3<br>6/1/2010 | B17-M4<br>6/2/2010 | B17-OW2<br>6/2/2010 | B17-W1<br>6/4/2010 | B18-A<br>6/3/2010 | B18-A3<br>6/10/2010 | B18-A4<br>6/10/2010 | B18-A5<br>6/10/2010 | B18-A6<br>6/10/2010 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PARAMETER** | **UNITS** | **RCRA LIMITS[1]** | **TEF** | | | | | | | | | | | | | | | | | | |
| Pentachlorophenol | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 840 U | NA | NA | NA | NA | NA | NA |
| Phenanthrene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 100000 | NA | NA | NA | NA | NA | NA |
| Phenol | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 2200 | NA | NA | NA | NA | NA | NA |
| Pyrene | ug/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 140000 | NA | NA | NA | NA | NA | NA |
| **Total Metals** | | | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3930 | NA | NA | NA | NA | NA | NA |
| Antimony | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3.4 B | NA | NA | NA | NA | NA | NA |
| Arsenic | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 34.3 | NA | NA | NA | NA | NA | NA |
| Barium | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 2230 | NA | NA | NA | NA | NA | NA |
| Beryllium | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.066 B | NA | NA | NA | NA | NA | NA |
| Cadmium | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1.5 B | NA | NA | NA | NA | NA | NA |
| Calcium | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 26800 | NA | NA | NA | NA | NA | NA |
| Chromium | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 840 | NA | NA | NA | NA | NA | NA |
| Cobalt | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 40.8 | NA | NA | NA | NA | NA | NA |
| Copper | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 786 | NA | NA | NA | NA | NA | NA |
| Iron | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 421000 | NA | NA | NA | NA | NA | NA |
| Lead | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 242 | NA | NA | NA | NA | NA | NA |
| Magnesium | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 4070 | NA | NA | NA | NA | NA | NA |
| Manganese | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1380 | NA | NA | NA | NA | NA | NA |
| Mercury | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.63 | NA | NA | NA | NA | NA | NA |
| Nickel | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 254 | NA | NA | NA | NA | NA | NA |
| Potassium | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 825 | NA | NA | NA | NA | NA | NA |
| Selenium | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 6.1 BJ | NA | NA | NA | NA | NA | NA |
| Silver | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.97 | NA | NA | NA | NA | NA | NA |
| Sodium | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 2620 | NA | NA | NA | NA | NA | NA |
| Thallium | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 2 | NA | NA | NA | NA | NA | NA |
| Vanadium | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 80.7 | NA | NA | NA | NA | NA | NA |
| Zinc | mg/kg | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1280 | NA | NA | NA | NA | NA | NA |
| **Dioxins/Furans** | | | | | | | | | | | | | | | | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | pg/g | | 0.01 | NA | 1100 U | 1200 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 100000 B | NA | NA | NA | NA |
| 1,2,3,4,6,7,8-HpCDD | pg/g | | 0.01 | NA | 3700 J | 230 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 330 JB | NA | NA | NA | NA |
| 1,2,3,7,8,9-HxCDF | pg/g | | 0.1 | NA | 330 U | 230 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 20 JB | NA | NA | NA | NA |
| 1,2,3,4,7,8,9-HpCDF | pg/g | | 0.01 | NA | 440 U | 210 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 2500 B | NA | NA | NA | NA |
| 1,2,3,4,7,8-HxCDF | pg/g | | 0.1 | NA | 470 U | 720 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 28000 EB | NA | NA | NA | NA |
| 1,2,3,4,7,8-HxCDD | pg/g | | 0.1 | NA | 460 U | 220 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 34 JB | NA | NA | NA | NA |
| 1,2,3,6,7,8-HxCDF | pg/g | | 0.1 | NA | 790 U | 59 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 4500 B | NA | NA | NA | NA |
| 1,2,3,6,7,8-HxCDD | pg/g | | 0.1 | NA | 510 U | 270 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 110 | NA | NA | NA | NA |
| 1,2,3,7,8,9-HxCDD | pg/g | | 0.1 | NA | 450 U | 210 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 54 B | NA | NA | NA | NA |
| 1,2,3,7,8-PeCDF | pg/g | | 0.03 | NA | 200 U | 320 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 450 B | NA | NA | NA | NA |
| 1,2,3,7,8-PeCDD | pg/g | | 1 | NA | 850 U | 340 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 69 B | NA | NA | NA | NA |
| 2,3,4,6,7,8-HxCDF | pg/g | | 0.1 | NA | 310 U | 190 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1000 B | NA | NA | NA | NA |
| 2,3,4,7,8-PeCDF | pg/g | | 0.3 | NA | 200 U | 120 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1500 B | NA | NA | NA | NA |
| 2,3,7,8-TCDF | pg/g | | 0.1 | NA | 340 U | 450 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 59 | NA | NA | NA | NA |
| 2,3,7,8-TCDD | pg/g | | 1 | NA | 740 U | 260 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 20 | NA | NA | NA | NA |
| OCDF | pg/g | | 0.0003 | NA | 1000 U | 920 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 200000 B | NA | NA | NA | NA |
| OCDD | pg/g | | 0.0003 | NA | 44000 | 820 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1300 B | NA | NA | NA | NA |
| Total HpCDD | pg/g | | NA | NA | 7000 | 240 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 740 JB | NA | NA | NA | NA |
| Total HpCDF | pg/g | | NA | NA | 1100 U | 1200 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 120000 B | NA | NA | NA | NA |
| Total HxCDD | pg/g | | NA | NA | 1000 U | 350 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 860 JB | NA | NA | NA | NA |
| Total HxCDF | pg/g | | NA | NA | 790 U | 720 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 56000 JEB | NA | NA | NA | NA |
| Total PeCDD | pg/g | | NA | NA | 1100 U | 440 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 920 B | NA | NA | NA | NA |
| Total PeCDF | pg/g | | NA | NA | 540 U | 760 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 15000 B | NA | NA | NA | NA |
| Total TCDD | pg/g | | NA | NA | 1300 U | 1300 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 540 B | NA | NA | NA | NA |
| Total TCDF | pg/g | | NA | NA | 340 U | 500 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 2600 | NA | NA | NA | NA |
| TEQ (ND = 0) | pg/g | | NA | NA | 5.02E+01 | 0.00E+00 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 5.02E+03 | NA | NA | NA | NA |

Notes:
[1]: Waste Classification Request Form [HWM-009 (6/22/09)] Appendix 4.
PCB standard from TSCA 40 CFR 761.
TEF - Toxicity Equivalent Factor (World Health Organization, 2005)
TEQ = Toxicity Equivalent Quotient
* - Dioxin results are from 8/3/2010
S.U. - Standard units
ug/kg - micrograms per kilogram
mg/kg - milligrams per kilogram

mg/l - milligrans per liter
pg/g - picograms per gram
U - constituent not detected at reported concentration
J - estimated result, for organics
J - method blank contamination, for inorganics
B - estimated result, for inorganics
PG - the percent difference between the original and conformation analyses is greater than 40%
E - estimated result exceeding calibration range
Q - estimated maximum possible concentration
G - elevated reporting limit

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| PARAMETER | UNITS | B18-FA1 6/10/2010 | B18-FA2 6/10/2010 | B18-G 6/7/2010 | B18-G1 6/7/2010 | B18-G2 6/7/2010 | B18-G3 6/7/2010 | B18-M1 5/28/2010 | B18-M2 5/28/2010 | B18-PM 5/27/2010 | B18-PW11 6/9/2010 | B18-PW11A 6/9/2010 | B18-PW12 5/26/2010 | B18-PW12A 5/26/2010 | B18-PW12B 5/26/2010 | B18-PW2A 5/26/2010 | B18-PW2B 5/26/2010 | B18-PW2C 5/27/2010 | B18-PW4 5/27/2010 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **RCRA CHARACTERISTICS** | | | | | | | | | | | | | | | | | | | |
| Ammonia Nitrogen | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 28 J | 112 | NA | NA | NA | NA | 27.2 J | 127 J | 68.3 J | NA |
| BTU | BTU/lb | NA | NA | NA | NA | NA | NA | NA | NA | 3000 | 2 U | NA | NA | NA | NA | 3500 | 3400 | 3900 | NA |
| Flashpoint/Ignitability | Degrees F | No | No | Yes | No | No | No | No | No | No | No | NA | No | NA | NA | No | No | No | NA |
| pH | S.U. | 9.4 | 9.4 | 5.5 | NA | NA | NA | 11.4 | 9.4 | 6.1 | 3.6 | NA | 8.7 | NA | NA | 3.4 | 2.8 | 3.4 | NA |
| Total Organic Halogens | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 242000 | 47400 | NA | NA | NA | NA | 151000 | 288000 | 433000 | NA |
| Total Sulfide | mg/kg | 18.5 B | 22.6 B | 6 U | NA | NA | NA | 43.3 | 54.6 | 47.1 | 197 | NA | 11.4 B | NA | NA | 16.5 B | 24.2 B | 128 | NA |
| Total Cyanide | mg/kg | 0.22 B | 0.1 U | 0.27 B | NA | NA | NA | 1.2 | 0.36 B | 0.13 U | 0.43 BJ | NA | 2.2 | NA | NA | 0.36 B | 0.68 B | 0.71 B | NA |
| **TCLP VOCs** | | | | | | | | | | | | | | | | | | | |
| 1,1-Dichloroethylene | mg/l | 0.043 U | 0.043 U | 0.043 U | NA | NA | NA | 0.043 U | 0.043 U | 0.043 U | 0.043 U | NA | 0.043 U | NA | NA | 0.043 U | 0.043 U | 0.043 U | NA |
| 1,2-Dichloroethane | mg/l | 0.038 U | 0.038 U | 0.038 U | NA | NA | NA | 0.038 U | 0.038 U | 0.038 U | 0.038 U | NA | 0.038 U | NA | NA | 0.038 U | 0.038 U | 0.038 U | NA |
| 2-Butanone | mg/l | 0.043 U | 0.043 U | 0.043 U | NA | NA | NA | 0.043 U | 0.043 U | 0.043 U | 0.043 U | NA | 0.043 U | NA | NA | 0.043 U | 0.043 U | 0.043 U | NA |
| Benzene | mg/l | 0.040 U | 0.040 U | 0.040 U | NA | NA | NA | 0.040 U | 0.040 U | 0.040 U | 0.040 U | NA | 0.040 U | NA | NA | 0.040 U | 0.040 U | 0.040 U | NA |
| Carbon Tetrachloride | mg/l | 0.043 U | 0.043 U | 0.043 U | NA | NA | NA | 0.043 U | 0.043 U | 0.043 U | 0.043 U | NA | 0.043 U | NA | NA | 0.043 U | 0.043 U | 0.043 U | NA |
| Chlorobenzene | mg/l | 0.021 U | 0.021 U | 0.021 U | NA | NA | NA | 0.021 U | 0.021 U | 0.021 U | 0.021 U | NA | 0.021 U | NA | NA | 0.021 U | 0.021 U | 0.021 U | NA |
| Chloroform | mg/l | 0.040 U | 0.040 U | 0.040 U | NA | NA | NA | 0.040 U | 0.040 U | 0.040 U | 0.040 U | NA | 0.040 U | NA | NA | 0.040 U | 0.040 U | 0.040 U | NA |
| Tetrachloroethylene | mg/l | 0.033 U | 0.033 U | 0.033 U | NA | NA | NA | 0.033 U | 0.033 U | 0.033 U | 0.033 U | NA | 0.033 U | NA | NA | 0.033 U | 0.033 U | 0.033 U | NA |
| Trichloroethylene | mg/l | 0.032 U | 0.032 U | 0.032 U | NA | NA | NA | 0.032 U | 0.032 U | 0.032 U | 0.032 U | NA | 0.032 U | NA | NA | 0.032 U | 0.032 U | 0.032 U | NA |
| Vinyl chloride | mg/l | 0.052 U | 0.052 U | 0.052 U | NA | NA | NA | 0.052 U | 0.052 U | 0.052 U | 0.052 U | NA | 0.052 U | NA | NA | 0.052 U | 0.052 U | 0.052 U | NA |
| **TCLP SVOCs** | | | | | | | | | | | | | | | | | | | |
| 1,4-Dichlorobenzene | mg/l | 0.0012 U | 0.0012 U | 0.0012 U | NA | NA | NA | 0.0028 J | 0.0012 U | 0.1 | 0.0012 J | NA | 0.0012 U | NA | NA | 0.023 J | 0.064 | 0.042 J | NA |
| 2,4,5-Trichlorophenol | mg/l | 0.0013 U | 0.0013 U | 0.0013 U | NA | NA | NA | 0.0013 U | 0.0013 U | 0.29 | 0.0013 U | NA | 0.0013 U | NA | NA | 0.29 | 0.22 | 0.19 | NA |
| 2,4,6-Trichlorophenol | mg/l | 0.0011 U | 0.0011 U | 0.0011 U | NA | NA | NA | 0.0011 U | 0.0011 U | 0.12 | 0.0011 U | NA | 0.0011 U | NA | NA | 0.12 | 0.065 | 0.055 | NA |
| 2,4-Dinitrotoluene | mg/l | 0.0010 U | 0.0010 U | 0.0010 U | NA | NA | NA | 0.0010 U | 0.0010 U | 0.0010 U | 0.0010 U | NA | 0.0010 U | NA | NA | 0.0010 U | 0.0010 U | 0.0010 U | NA |
| Cresols | mg/l | 0.0040 U | 0.0040 U | 0.0040 U | NA | NA | NA | 0.0040 U | 0.0040 U | 0.0040 U | 5.3 | NA | 0.0040 U | NA | NA | 0.0040 U | 0.0040 U | 0.0040 U | NA |
| Hexachlorobenzene | mg/l | 0.0011 U | 0.0011 U | 0.0011 U | NA | NA | NA | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | NA | 0.0011 U | NA | NA | 0.0011 U | 0.0011 U | 0.0011 U | NA |
| Hexachlorobutadiene | mg/l | 0.0013 U | 0.0013 U | 0.0013 U | NA | NA | NA | 0.0013 U | 0.0013 U | 0.0013 U | 0.0013 U | NA | 0.0013 U | NA | NA | 0.0013 U | 0.0013 U | 0.0013 U | NA |
| Hexachloroethane | mg/l | 0.0013 U | 0.0013 U | 0.0013 U | NA | NA | NA | 0.0013 U | 0.0013 U | 0.0013 U | 0.0013 U | NA | 0.0013 U | NA | NA | 0.0013 U | 0.0013 U | 0.0013 U | NA |
| Nitrobenzene | mg/l | 0.0013 U | 0.0013 U | 0.0013 U | NA | NA | NA | 0.0013 U | 0.0013 U | 0.0013 U | 0.0013 U | NA | 0.0013 U | NA | NA | 0.0013 U | 0.0013 U | 0.0013 U | NA |
| Pentachlorophenol | mg/l | 0.0022 U | 0.0022 U | 0.0022 U | NA | NA | NA | 0.0022 U | 0.0022 U | 0.0022 U | 0.0022 U | NA | 0.0022 U | NA | NA | 0.0022 U | 0.0022 U | 0.0022 U | NA |
| Pyridine | mg/l | 0.00083 U | 0.00083 U | 0.00083 U | NA | NA | NA | 0.00083 U | 0.00083 U | 0.00083 U | 0.013 J | NA | 0.00083 U | NA | NA | 0.00083 U | 0.00083 U | 0.00083 U | NA |
| **TCLP Metals** | | | | | | | | | | | | | | | | | | | |
| Arsenic | mg/l | 0.022 B | 0.0054 B | 0.0039 B | NA | NA | NA | 0.0064 B | 0.0025 B | 0.0022 U | 0.0032 B | NA | 0.0022 U | NA | NA | 0.0032 B | 0.0048 B | 0.0022 U | NA |
| Barium | mg/l | 0.038 B | 0.04 B | 0.18 B | NA | NA | NA | 0.17 B | 0.12 B | 0.27 | 0.06 B | NA | 0.35 | NA | NA | 0.0084 B | 0.0028 B | 0.0066 B | NA |
| Cadmium | mg/l | 0.0013 B | 0.0011 B | 0.084 | NA | NA | NA | 0.036 B | 0.0026 B | 0.045 B | 0.001 B | NA | 0.026 B | NA | NA | 0.00024 U | 0.00024 U | 0.00024 U | NA |
| Chromium | mg/l | 0.033 B | 0.049 B | 0.17 | NA | NA | NA | 0.017 B | 0.002 B | 0.0041 B | 0.46 | NA | 0.048 B | NA | NA | 0.0022 B | 0.0019 B | 0.0018 B | NA |
| Lead | mg/l | 0.016 B | 0.003 B | 0.064 | NA | NA | NA | 0.027 B | 0.0014 U | 0.0014 U | 0.76 | NA | 0.068 | NA | NA | 0.0014 U | 0.0014 U | 0.0014 U | NA |
| Mercury | mg/l | 0.00018 B | 0.000052 B | 0.01 | NA | NA | NA | 0.000038 U | 0.000087 B | 0.00034 | 0.000052 BJ | NA | 0.00013 B | NA | NA | 0.000038 U | 0.000038 U | 0.000038 U | NA |
| Selenium | mg/l | 0.02 B | 0.019 B | 0.0097 B | NA | NA | NA | 0.0088 BJ | 0.0089 BJ | 0.0059 B | 0.0056 B | NA | 0.0055 B | NA | NA | 0.0049 B | 0.0046 B | 0.0052 B | NA |
| Silver | mg/l | 0.00058 U | 0.00058 U | 0.00058 U | NA | NA | NA | 0.00077 B | 0.00058 U | 0.00058 U | 0.00058 U | NA | 0.00058 U | NA | NA | 0.00058 U | 0.00058 U | 0.00058 U | NA |
| **TCLP Pesticides** | | | | | | | | | | | | | | | | | | | |
| Chlordane | mg/l | 0.00066 U | 0.00066 U | 0.00066 U | NA | NA | NA | 0.00066 U | 0.00066 U | 0.00066 U | 0.00066 U | NA | 0.00066 U | NA | NA | 0.00066 U | 0.00066 U | 0.00066 U | NA |
| Endrin | mg/l | 0.00039 U | 0.00039 U | 0.00039 U | NA | NA | NA | 0.00041 JPG | 0.00039 U | 0.00039 U | 0.00039 U | NA | 0.00039 U | NA | NA | 0.00039 U | 0.00039 U | 0.00039 U | NA |
| Heptachlor | mg/l | 0.00040 U | 0.00040 U | 0.00040 U | NA | NA | NA | 0.00040 U | 0.00040 U | 0.00040 U | 0.00040 U | NA | 0.00040 U | NA | NA | 0.00040 U | 0.00040 U | 0.00040 U | NA |
| Heptachlor epoxide | mg/l | 0.00039 U | 0.00039 U | 0.00039 U | NA | NA | NA | 0.00039 U | 0.00039 U | 0.00039 U | 0.00039 U | NA | 0.00039 U | NA | NA | 0.00039 U | 0.00039 U | 0.00039 U | NA |
| Lindane | mg/l | 0.0063 | 0.0039 | 0.0018 | NA | NA | NA | 0.00032 U | 0.00032 U | 0.00032 U | 0.0029 | NA | 0.00032 U | NA | NA | 0.00032 U | 0.00032 U | 0.00032 U | NA |
| Methoxychlor | mg/l | 0.00037 U | 0.00037 U | 0.00037 U | NA | NA | NA | 0.00037 U | 0.00037 U | 0.00037 U | 0.00037 U | NA | 0.00037 U | NA | NA | 0.00037 U | 0.00037 U | 0.00037 U | NA |
| Toxaphene | mg/l | 0.0074 U | 0.0074 U | 0.0074 U | NA | NA | NA | 0.0074 U | 0.0074 U | 0.0074 U | 0.0074 U | NA | 0.0074 U | NA | NA | 0.0074 U | 0.0074 U | 0.0074 U | NA |
| **TCLP Herbicides** | | | | | | | | | | | | | | | | | | | |
| 2,4-D | mg/l | 0.013 JPG | 0.0045 JPG | 0.0045 U | NA | NA | NA | 0.0045 U | 0.0045 U | 0.0045 U | 0.0045 U | NA | 0.0045 U | NA | NA | 0.089 | 0.057 PG | 0.02 JPG | NA |
| Silvex | mg/l | 0.0011 U | 0.0015 JPG | 0.0015 J | NA | NA | NA | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | NA | 0.0011 U | NA | NA | 0.0011 U | 0.0011 U | 0.0011 U | NA |
| **Total PCBs** | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | ug/kg | 2.7 U | 2.6 U | 2.5 U | NA | NA | NA | 250 U | 250 U | 67 U | 470 U | NA | 78 U | NA | NA | 59 U | 100 U | 180 U | NA |
| Aroclor 1221 | ug/kg | 3.5 U | 3.3 U | 3.2 U | NA | NA | NA | 320 U | 320 U | 86 U | 610 U | NA | 100 U | NA | NA | 75 U | 130 U | 230 U | NA |
| Aroclor 1232 | ug/kg | 3.2 U | 3 U | 2.8 U | NA | NA | NA | 290 U | 290 U | 77 U | 550 U | NA | 90 U | NA | NA | 68 U | 120 U | 210 U | NA |
| Aroclor 1242 | ug/kg | 860 PG | 620 PG | 2.7 U | NA | NA | NA | 270 U | 280 U | 73 U | 520 U | NA | 85 U | NA | NA | 64 U | 110 U | 200 U | NA |
| Aroclor 1248 | ug/kg | 1.7 U | 1.6 U | 2700 | NA | NA | NA | 160 U | 160 U | 43 U | 110000 | NA | 49 U | NA | NA | 37 U | 67 U | 110 U | NA |
| Aroclor 1254 | ug/kg | 2.6 U | 2.5 U | 1100 | NA | NA | NA | 240 U | 240 U | 64 U | 450 U | NA | 74 U | NA | NA | 56 U | 100 U | 5800 PG | NA |
| Aroclor 1260 | ug/kg | 2.6 U | 2.5 U | 2.4 U | NA | NA | NA | 240 U | 240 U | 64 U | 450 U | NA | 74 U | NA | NA | 56 U | 100 U | 170 U | NA |
| Aroclor 1262 | ug/kg | 4 U | 3.8 U | 3.6 U | NA | NA | NA | 370 U | 370 U | 99 U | 700 U | NA | 110 U | NA | NA | 86 U | 150 U | 270 U | NA |
| Aroclor 1268 | ug/kg | 2.4 U | 2.2 U | 2.1 U | NA | NA | NA | 210 U | 220 U | 58 U | 410 U | NA | 67 U | NA | NA | 51 U | 91 U | 160 U | NA |
| **Total VOCs** | | | | | | | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 38000 U | NA | 93 U | 93 U | 89000 U | 230000 U | 160000 U | 420 U |
| 1,1,2,2-Tetrachloroethane | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 35000 U | NA | 84 U | 85 U | 80000 U | 210000 U | 140000 U | 380 U |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 12000 U | NA | 30 U | 30 U | 28000 U | 75000 U | 51000 U | 130 U |
| 1,1,2-Trichloroethane | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 43000 U | NA | 110 U | 110 U | 100000 U | 260000 U | 180000 U | 470 U |
| 1,1-Dichloroethane | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 38000 U | NA | 92 U | 92 U | 87000 U | 230000 U | 160000 U | 410 U |
| 1,1-Dichloroethylene | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 40000 U | NA | 96 U | 97 U | 92000 U | 240000 U | 160000 U | 430 U |
| 1,2,4-Trichlorobenzene | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3900000 | NA | 4000 | 8400 | 10000000 | 11000000 | 13000000 | 23000 |
| 1,2-Dibromoethane | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 23000 U | NA | 55 U | 56 U | 53000 U | 140000 U | 94000 U | 250 U |
| 1,2-Dichlorobenzene | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 130000 J | NA | 1300 | 550 | 560000 | 610000 J | 440000 J | 150000 |
| 1,2-Dichloroethane | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 36000 U | NA | 87 U | 87 U | 83000 U | 220000 U | 150000 U | 390 U |
| 1,2-Dichloropropane | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 47000 U | NA | 120 U | 120 U | 110000 U | 290000 U | 200000 U | 520 U |
| 1,3-Dichlorobenzene | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 33000 J | NA | 4500 | 320 J | 73000 J | 120000 U | 78000 U | 340000 |
| 1,4-Dichlorobenzene | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 46000 J | NA | 490 | 140 J | 45000 U | 120000 U | 81000 U | 210 U |
| 2-Butanone | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 40000 U | NA | 98 U | 870 | 93000 U | 250000 U | 170000 U | 440 U |
| 2-Hexanone | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 21000 U | NA | 52 U | 52 U | 49000 U | 130000 U | 88000 U | 230 U |
| 4-Methyl-2-pentanone | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 22000 U | NA | 53 U | 54 U | 51000 U | 130000 U | 91000 U | 240 U |
| Acetone | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 190000 U | NA | 450 U | 450 U | 430000 U | 1100000 U | 770000 U | 3100 J |
| Benzene | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 37000 U | NA | 89 U | 90 U | 85000 U | 230000 U | 150000 U | 400 U |
| Bromodichloromethane | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 35000 U | NA | 84 U | 85 U | 80000 U | 210000 U | 140000 U | 380 U |
| Bromoform | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 40000 U | NA | 97 U | 97 U | 92000 U | 240000 U | 160000 U | 430 U |

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| PARAMETER | UNITS | B18-FA1 6/10/2010 | B18-FA2 6/10/2010 | B18-G 6/7/2010 | B18-G1 6/7/2010 | B18-G2 6/7/2010 | B18-G3 6/7/2010 | B18-M1 5/28/2010 | B18-M2 5/28/2010 | B18-PM 5/27/2010 | B18-PW11 6/9/2010 | B18-PW11A 6/9/2010 | B18-PW12 5/26/2010 | B18-PW12A 5/26/2010 | B18-PW12B 5/26/2010 | B18-PW2A 5/26/2010 | B18-PW2B 5/26/2010 | B18-PW2C 5/27/2010 | B18-PW4 5/27/2010 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromomethane | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 58000 U | NA | 140 U | 140 U | 140000 U | 360000 U | 240000 U | 640 U |
| Carbon disulfide | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 40000 U | NA | 97 U | 98 U | 92000 U | 240000 U | 170000 U | 440 U |
| Carbon Tetrachloride | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 40000 U | NA | 98 U | 98 U | 93000 U | 250000 U | 170000 U | 440 U |
| Chlorobenzene | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 20000 U | NA | 140 J | 48 U | 45000 U | 120000 U | 81000 U | 350 J |
| Chloroethane | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 28000 U | NA | 68 U | 68 U | 64000 U | 170000 U | 120000 U | 300 U |
| Chloroform | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 37000 U | NA | 91 U | 91 U | 87000 U | 230000 U | 160000 U | 410 U |
| Chloromethane | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 34000 U | NA | 84 U | 84 U | 80000 U | 210000 U | 140000 U | 380 U |
| cis-1,2-Dichloroethylene | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 25000 U | NA | 60 U | 60 U | 57000 U | 150000 U | 100000 U | 270 U |
| cis-1,3-Dichloropropene | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 27000 U | NA | 66 U | 66 U | 62000 U | 170000 U | 110000 U | 300 U |
| Cyclohexane | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 22000 U | NA | 54 U | 54 U | 51000 U | 140000 U | 92000 U | 240 U |
| Dibromochloropropane | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 13000 U | NA | 32 U | 32 U | 30000 U | 80000 U | 54000 U | 140 U |
| Dibromochloromethane | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 24000 U | NA | 59 U | 59 U | 56000 U | 150000 U | 100000 U | 260 U |
| Dichlorodifluoromethane | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 24000 U | NA | 57 U | 58 U | 55000 U | 140000 U | 98000 U | 260 U |
| Ethylbenzene | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 23000 U | NA | 56 U | 56 U | 53000 U | 140000 U | 95000 U | 250 U |
| Isopropylbenzene | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 20000 U | NA | 48 U | 48 U | 46000 U | 120000 U | 82000 U | 220 U |
| Methyl Acetate | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 46000 U | NA | 110 U | 110 U | 110000 U | 280000 U | 190000 U | 500 U |
| Methylcyclohexane | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 21000 U | NA | 50 U | 51 U | 48000 U | 130000 U | 86000 U | 230 U |
| Methylene chloride | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 40000 U | NA | 99 U | 99 U | 94000 U | 250000 U | 170000 U | 440 U |
| Methyltert-butylether | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 38000 U | NA | 93 U | 93 U | 88000 U | 230000 U | 160000 U | 420 U |
| Styrene | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 24000 U | NA | 58 U | 58 U | 55000 U | 150000 U | 98000 U | 260 U |
| Tetrachloroethylene | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 31000 U | NA | 75 U | 75 U | 71000 U | 190000 U | 130000 U | 340 U |
| Toluene | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 31000 U | NA | 76 U | 77 U | 73000 U | 190000 U | 130000 U | 340 U |
| trans-1,2-Dichloroethene | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 28000 U | NA | 68 U | 68 U | 65000 U | 170000 U | 120000 U | 310 U |
| Trans-1,3-Dichloropropene | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 22000 U | NA | 53 U | 53 U | 50000 U | 130000 U | 90000 U | 240 U |
| Trichloroethylene | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 30000 U | NA | 93 J | 73 U | 69000 U | 180000 U | 120000 U | 330 U |
| Trichlorofluoromethane | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 42000 U | NA | 100 U | 100 U | 96000 U | 250000 U | 170000 U | 450 U |
| Vinyl chloride | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 48000 U | NA | 120 U | 120 U | 110000 U | 290000 U | 200000 U | 520 U |
| Xylene (total) | ug/kg | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 73000 U | NA | 180 U | 180 U | 170000 U | 450000 U | 300000 U | 800 U |
| **Total SVOCs** | | | | | | | | | | | | | | | | | | | |
| 1,1'-Biphenyl | ug/kg | 140 U | 130 U | NA | NA | NA | NA | NA | NA | 210000 U | 5900 U | NA | 240 U | NA | NA | 37000 U | 66000 U | 110000 U | NA |
| 2,2'-oxybis(1-chloropropane) | ug/kg | 31 U | 30 U | NA | NA | NA | NA | NA | NA | 49000 U | 1400 U | NA | 56 U | NA | NA | 8500 U | 15000 U | 26000 U | NA |
| 2,4,5-Trichlorophenol | ug/kg | 160 U | 150 U | NA | NA | NA | NA | NA | NA | 240000 U | 6800 U | NA | 280 U | NA | NA | 42000 U | 76000 U | 130000 U | NA |
| 2,4,6-Trichlorophenol | ug/kg | 220 U | 210 U | NA | NA | NA | NA | NA | NA | 340000 U | 9600 U | NA | 390 U | NA | NA | 59000 U | 110000 U | 180000 U | NA |
| 2,4-Dichlorophenol | ug/kg | 29 U | 28 U | NA | NA | NA | NA | NA | NA | 46000 U | 1300 U | NA | 52 U | NA | NA | 7900 U | 14000 U | 24000 U | NA |
| 2,4-Dimethylphenol | ug/kg | 230 U | 220 U | NA | NA | NA | NA | NA | NA | 360000 U | 140000 | NA | 410 U | NA | NA | 61000 U | 110000 U | 190000 U | NA |
| 2,4-Dinitrophenol | ug/kg | 1700 J | 1600 U | NA | NA | NA | NA | NA | NA | 2700000 U | 76000 U | NA | 3100 U | NA | NA | 470000 U | 850000 U | 1400000 U | NA |
| 2,4-Dinitrotoluene | ug/kg | 120 U | 110 U | NA | NA | NA | NA | NA | NA | 180000 U | 5200 U | NA | 210 U | NA | NA | 32000 U | 58000 U | 98000 U | NA |
| 2,6-Dinitrotoluene | ug/kg | 150 U | 140 U | NA | NA | NA | NA | NA | NA | 240000 U | 6600 U | NA | 270 U | NA | NA | 41000 U | 74000 U | 130000 U | NA |
| 2-Chloronaphthalene | ug/kg | 30 U | 29 U | NA | NA | NA | NA | NA | NA | 48000 U | 1300 U | NA | 54 U | NA | NA | 8200 U | 15000 U | 25000 U | NA |
| 2-Chlorophenol | ug/kg | 120 U | 110 U | NA | NA | NA | NA | NA | NA | 190000 U | 5200 U | NA | 210 U | NA | NA | 32000 U | 58000 U | 99000 U | NA |
| 2-Methylnaphthalene | ug/kg | 100 J | 430 | NA | NA | NA | NA | NA | NA | 41000 U | 460000 | NA | 1200 | NA | NA | 7100 U | 13000 U | 22000 U | NA |
| 2-Methylphenol | ug/kg | 100 U | 97 U | NA | NA | NA | NA | NA | NA | 160000 U | 68000 | NA | 180 U | NA | NA | 27000 U | 50000 U | 85000 U | NA |
| 2-Nitroaniline | ug/kg | 650 U | 620 U | NA | NA | NA | NA | NA | NA | 1000000 U | 29000 U | NA | 1200 U | NA | NA | 180000 U | 320000 U | 540000 U | NA |
| 2-Nitrophenol | ug/kg | 160 U | 150 U | NA | NA | NA | NA | NA | NA | 250000 U | 7000 U | NA | 290 U | NA | NA | 43000 U | 79000 U | 130000 U | NA |
| 3,3-Dichlorobenzidine | ug/kg | 150 U | 150 U | NA | NA | NA | NA | NA | NA | 240000 U | 6800 U | NA | 280 U | NA | NA | 42000 U | 75000 U | 130000 U | NA |
| 3-Nitroaniline | ug/kg | 600 U | 570 U | NA | NA | NA | NA | NA | NA | 940000 U | 26000 U | NA | 1100 U | NA | NA | 160000 U | 290000 U | 500000 U | NA |
| 4,6-Dinitro-2-methylphenol | ug/kg | 580 U | 560 U | NA | NA | NA | NA | NA | NA | 920000 U | 26000 U | NA | 1000 U | NA | NA | 160000 U | 290000 U | 490000 U | NA |
| 4-Bromophenylphenyl ether | ug/kg | 130 U | 120 U | NA | NA | NA | NA | NA | NA | 200000 U | 5600 U | NA | 230 U | NA | NA | 34000 U | 62000 U | 110000 U | NA |
| 4-Chloro-3-methylphenol | ug/kg | 130 U | 130 U | NA | NA | NA | NA | NA | NA | 210000 U | 5900 U | NA | 240 U | NA | NA | 36000 U | 66000 U | 110000 U | NA |
| 4-Chloroaniline | ug/kg | 120 U | 110 U | NA | NA | NA | NA | NA | NA | 180000 U | 5100 U | NA | 210 U | NA | NA | 31000 U | 57000 U | 97000 U | NA |
| 4-Chlorophenyl phenyl ether | ug/kg | 160 U | 150 U | NA | NA | NA | NA | NA | NA | 250000 U | 7100 U | NA | 290 U | NA | NA | 44000 U | 79000 U | 130000 U | NA |
| 4-Methylphenol | ug/kg | 140 U | 140 U | NA | NA | NA | NA | NA | NA | 220000 U | 460000 | NA | 260 U | NA | NA | 38000 U | 70000 U | 120000 U | NA |
| 4-Nitroaniline | ug/kg | 590 U | 560 U | NA | NA | NA | NA | NA | NA | 920000 U | 26000 U | NA | 1100 U | NA | NA | 160000 U | 290000 U | 490000 U | NA |
| 4-Nitrophenol | ug/kg | 1400 J | 470 U | NA | NA | NA | NA | NA | NA | 780000 U | 22000 U | NA | 890 U | NA | NA | 130000 U | 240000 U | 410000 U | NA |
| Acenaphthene | ug/kg | 92 J | 580 | NA | NA | NA | NA | NA | NA | 44000 U | 43000 | NA | 580 | NA | NA | 7600 U | 14000 U | 23000 U | NA |
| Acenaphthylene | ug/kg | 180 J | 460 | NA | NA | NA | NA | NA | NA | 52000 U | 1500 U | NA | 420 J | NA | NA | 9000 U | 16000 U | 28000 U | NA |
| Acetophenone | ug/kg | 120 U | 110 U | NA | NA | NA | NA | NA | NA | 190000 U | 5300 U | NA | 210 U | NA | NA | 32000 U | 59000 U | 100000 U | NA |
| Anthracene | ug/kg | 1200 | 3200 | NA | NA | NA | NA | NA | NA | 45000 U | 5500 J | NA | 1100 | NA | NA | 7700 U | 14000 U | 24000 U | NA |
| Atrazine | ug/kg | 140 U | 130 U | NA | NA | NA | NA | NA | NA | 220000 U | 6200 U | NA | 250 U | NA | NA | 38000 U | 69000 U | 120000 U | NA |
| Benzaldehyde | ug/kg | 220 U | 210 U | NA | NA | NA | NA | NA | NA | 340000 U | 9600 U | NA | 390 U | NA | NA | 59000 U | 110000 U | 180000 U | NA |
| Benzo(a)anthracene | ug/kg | 18000 | 57000 | NA | NA | NA | NA | NA | NA | 57000 U | 1600 U | NA | 17000 | NA | NA | 9900 U | 18000 U | 30000 U | NA |
| Benzo(a)pyrene | ug/kg | 9100 | 29000 | NA | NA | NA | NA | NA | NA | 46000 U | 1300 U | NA | 16000 | NA | NA | 7900 U | 14000 U | 24000 U | NA |
| Benzo(b)fluoranthene | ug/kg | 21000 | 82000 | NA | NA | NA | NA | NA | NA | 72000 U | 2000 U | NA | 22000 | NA | NA | 12000 U | 22000 U | 38000 U | NA |
| Benzo(ghi)perylene | ug/kg | 5800 | 23000 | NA | NA | NA | NA | NA | NA | 45000 U | 1300 U | NA | 16000 | NA | NA | 7800 U | 14000 U | 24000 U | NA |
| Benzo(k)fluoranthene | ug/kg | 59 U | 56 U | NA | NA | NA | NA | NA | NA | 92000 U | 2600 U | NA | 12000 | NA | NA | 16000 U | 29000 U | 49000 U | NA |
| Bis(2-chloroethoxy)methane | ug/kg | 96 U | 91 U | NA | NA | NA | NA | NA | NA | 150000 U | 4200 U | NA | 170 U | NA | NA | 26000 U | 47000 U | 80000 U | NA |
| Bis(2-chloroethyl)ether | ug/kg | 39 U | 37 U | NA | NA | NA | NA | NA | NA | 61000U | 1700 U | NA | 70 U | NA | NA | 11000 U | 19000 U | 33000 U | NA |
| bis(2-Ethylhexyl) phthalate | ug/kg | 240 U | 220 U | NA | NA | NA | NA | NA | NA | 370000 U | 17000 J | NA | 770 J | NA | NA | 64000 U | 120000 U | 200000 U | NA |
| Butyl benzyl phthalate | ug/kg | 200 U | 190 U | NA | NA | NA | NA | NA | NA | 310000 U | 8700 U | NA | 360 U | NA | NA | 54000 U | 97000 U | 170000 U | NA |
| Caprolactam | ug/kg | 1100 U | 1100 U | NA | NA | NA | NA | NA | NA | 1700000 U | 49000 U | NA | 2000 U | NA | NA | 300000 U | 550000 U | 930000 U | NA |
| Carbazole | ug/kg | 5200 | 11000 | NA | NA | NA | NA | NA | NA | 42000 U | 1200 U | NA | 1300 | NA | NA | 7200 U | 13000 U | 22000 U | NA |
| Chrysene | ug/kg | 17000 | 69000 | NA | NA | NA | NA | NA | NA | 54000 U | 1500 U | NA | 19000 | NA | NA | 9400 U | 17000 U | 29000 U | NA |
| Dibenzo(a,h)anthracene | ug/kg | 2200 | 7500 | NA | NA | NA | NA | NA | NA | 51000 U | 1400 U | NA | 4700 | NA | NA | 8700 U | 16000 U | 27000 U | NA |
| Dibenzofuran | ug/kg | 300 J | 730 J | NA | NA | NA | NA | NA | NA | 220000 U | 61000 J | NA | 440 J | NA | NA | 39000 U | 70000 U | 120000 U | NA |
| Diethyl phthalate | ug/kg | 160 U | 150 U | NA | NA | NA | NA | NA | NA | 670000 J | 7000 U | NA | 750 J | NA | NA | 43000 U | 78000 U | 130000 U | NA |
| Dimethyl phthalate | ug/kg | 160 U | 150 U | NA | NA | NA | NA | NA | NA | 250000 U | 7000 U | NA | 280 U | NA | NA | 43000 U | 78000 U | 130000 U | NA |
| Di-n-butyl phthalate | ug/kg | 180 U | 170 U | NA | NA | NA | NA | NA | NA | 290000 U | 8000 U | NA | 330 U | NA | NA | 49000 U | 89000 U | 150000 U | NA |
| Di-n-octyl phthalate | ug/kg | 150 U | 150 U | NA | NA | NA | NA | NA | NA | 240000 U | 6700 U | NA | 270 U | NA | NA | 41000 U | 75000 U | 130000 U | NA |
| Fluoranthene | ug/kg | 38000 | 130000 | NA | NA | NA | NA | NA | NA | 49000 U | 7300 J | NA | 25000 | NA | NA | 8400 U | 15000 U | 26000 U | NA |
| Fluorene | ug/kg | 86 J | 380 | NA | NA | NA | NA | NA | NA | 60000 U | 24000 | NA | 290 J | NA | NA | 10000 U | 19000 U | 32000 U | NA |
| Hexachlorobenzene | ug/kg | 740 | 1200 | NA | NA | NA | NA | NA | NA | 49000 U | 86000 | NA | 4700 | NA | NA | 8400 U | 15000 U | 26000 U | NA |
| Hexachlorobutadiene | ug/kg | 33 U | 31 U | NA | NA | NA | NA | NA | NA | 51000 U | 1400 U | NA | 58 U | NA | NA | 8800 U | 16000 U | 27000 U | NA |
| Hexachlorocyclopentadiene | ug/kg | 160 U | 150 U | NA | NA | NA | NA | NA | NA | 250000 U | 6900 U | NA | 280 U | NA | NA | 42000 U | 77000 U | 130000 U | NA |
| Hexachloroethane | ug/kg | 100 U | 100 U | NA | NA | NA | NA | NA | NA | 160000 U | 4600 U | NA | 190 U | NA | NA | 28000 U | 51000 U | 87000 U | NA |
| Indeno(1,2,3-cd)pyrene | ug/kg | 5300 | 21000 | NA | NA | NA | NA | NA | NA | 47000 U | 1300 U | NA | 15000 | NA | NA | 8100 U | 15000 U | 25000 U | NA |
| Isophorone | ug/kg | 110 U | 100 U | NA | NA | NA | NA | NA | NA | 170000U | 4800 U | NA | 200 U | NA | NA | 30000 U | 54000 U | 91000 U | NA |
| Naphthalene | ug/kg | 820 | 760 | NA | NA | NA | NA | NA | NA | 39000 U | 25000000 | NA | 5500 | NA | NA | 6800 U | 12000 U | 21000 U | NA |
| Nitrobenzene | ug/kg | 120 U | 120 U | NA | NA | NA | NA | NA | NA | 190000 U | 5300 U | NA | 220 U | NA | NA | 33000 U | 59000 U | 100000 U | NA |
| N-Nitrosodiphenylamine | ug/kg | 130 U | 130 U | NA | NA | NA | NA | NA | NA | 210000 U | 5900 U | NA | 240 U | NA | NA | 36000 U | 66000 U | 110000 U | NA |
| N-Nitrosodipropylamine | ug/kg | 34 U | 32 U | NA | NA | NA | NA | NA | NA | 54000 U | 1500 U | NA | 61 U | NA | NA | 9200 U | 17000 U | 28000 U | NA |

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| PARAMETER | UNITS | B18-FA1 6/10/2010 | B18-FA2 6/10/2010 | B18-G 6/7/2010 | B18-G1 6/7/2010 | B18-G2 6/7/2010 | B18-G3 6/7/2010 | B18-M1 5/28/2010 | B18-M2 5/28/2010 | B18-PM 5/27/2010 | B18-PW11 6/9/2010 | B18-PW11A 6/9/2010 | B18-PW12 5/26/2010 | B18-PW12A 5/26/2010 | B18-PW12B 5/26/2010 | B18-PW2A 5/26/2010 | B18-PW2B 5/26/2010 | B18-PW2C 5/27/2010 | B18-PW4 5/27/2010 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pentachlorophenol | ug/kg | 1100 J | 120 U | NA | NA | NA | NA | NA | NA | 200000 U | 5700 U | NA | 230 U | NA | NA | 35000 U | 64000 U | 110000 U | NA |
| Phenanthrene | ug/kg | 15000 | 46000 | NA | NA | NA | NA | NA | NA | 73000 U | 40000 | NA | 6900 | NA | NA | 13000 U | 23000 U | 39000 U | NA |
| Phenol | ug/kg | 34 U | 33 U | NA | NA | NA | NA | NA | NA | 54000 U | 440000 | NA | 62 U | NA | NA | 9300 U | 17000 U | 29000 U | NA |
| Pyrene | ug/kg | 30000 | 120000 | NA | NA | NA | NA | NA | NA | 46000 U | 3300 J | NA | 17000 | NA | NA | 8000 U | 14000 U | 25000 U | NA |
| **Total Metals** | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 80.3 B | 763 | NA | 11300 | NA | NA | 13.2 U | 11.7 U | 30.7 B | NA |
| Antimony | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 6.8 B | 1.3 B | NA | 15.7 B | NA | NA | 24.1 B | 23.7 | 35.1 | NA |
| Arsenic | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 56 | 1.2 B | NA | 30.3 | NA | NA | 67.6 | 61.7 | 77.6 | NA |
| Barium | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 28.8 | 7.1 B | NA | 131 | NA | NA | 0.69 B | 0.68 B | 4.4 B | NA |
| Beryllium | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 0.21 U | 0.029 U | NA | 0.12 U | NA | NA | 0.18 U | 0.16 U | 0.27 U | NA |
| Cadmium | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 0.82 U | 0.047 U | NA | 18.7 | NA | NA | 0.73 U | 0.52 U | 0.44 U | NA |
| Calcium | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 29.8 B | 2440 J | NA | 8910 | NA | NA | 1.2 U | 25.1 B | 130 B | NA |
| Chromium | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 227 | 413 | NA | 2000 | NA | NA | 349 | 282 | 423 | NA |
| Cobalt | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 27 | 3.6 B | NA | 54.2 | NA | NA | 50 | 44.2 | 61.1 | NA |
| Copper | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 318 | 30.1 | NA | 1080 | NA | NA | 1270 | 1030 | 1540 | NA |
| Iron | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 745000 J | 9770 | NA | 411000 J | NA | NA | 714000 J | 605000 J | 748000 J | NA |
| Lead | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 25.8 | 109 | NA | 2070 | NA | NA | 4.4 U | 3.7 B | 16.6 | NA |
| Magnesium | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 28.1 B | 1320 | NA | 19100 | NA | NA | 2.7 U | 4.8 U | 71.7 B | NA |
| Manganese | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 3330 | 46.3 | NA | 1880 | NA | NA | 1380 | 2320 | 3010 | NA |
| Mercury | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 96.3 | 3.4 | NA | 13.6 | NA | NA | 0.33 | 0.024 U | 0.14 | NA |
| Nickel | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 134 | 24.7 | NA | 346 | NA | NA | 272 | 256 | 339 | NA |
| Potassium | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 57.8 U | 112 B | NA | 465 B | NA | NA | 51.3 U | 91.1 U | 246 B | NA |
| Selenium | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 7.1 U | 0.4 U | NA | 3.3 U | NA | NA | 6.3 U | 4.5 U | 3.8 U | NA |
| Silver | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 1.4 | 0.15 B | NA | 1.4 | NA | NA | 1.3 | 1.1 | 2.7 | NA |
| Sodium | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 318 BJ | 360 B | NA | 2370 BJ | NA | NA | 523 BJ | 177 U | 1940 BJ | NA |
| Thallium | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 12.1 B | 0.4 U | NA | 8 B | NA | NA | 12.7 B | 4.5 U | 8.9 B | NA |
| Vanadium | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 22.2 B | 30.3 | NA | 227 | NA | NA | 15.7 B | 6.2 B | 6 B | NA |
| Zinc | mg/kg | NA | NA | NA | NA | NA | NA | NA | NA | 2010 | 65.9 J | NA | 1640 | NA | NA | 9.4 B | 25.2 B | 14.8 B | NA |
| **Dioxins/Furans** | | | | | | | | | | | | | | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | pg/g | 390000 EGB | 3700 EGB | 85000 EB | NA | NA | NA | 8400000 EBS | 4100000 EB | 7600 B | 530000 EB | NA | 3100000 EB | NA | NA | 250 B | 320 B | 9800 B | NA |
| 1,2,3,4,6,7,8-HpCDD | pg/g | 3900 B | 79 B | 2100 EB | NA | NA | NA | 480000 B | 45000 B | 240 B | 270000 EB | NA | 120000 B | NA | NA | 25 JB | 41 B | 1300 B | NA |
| 1,2,3,7,8,9-HxCDF | pg/g | 290 | 36 | 35 J | NA | NA | NA | 490000 GB | 560 JB | 23 JB | 570 | NA | 3500 B | NA | NA | 9.6 JB | 12 QJB | 100 JB | NA |
| 1,2,3,4,7,8,9-HpCDF | pg/g | 11000 GB | 100 GB | 2900 B | NA | NA | NA | 620000 B | 220000 B | 270 B | 46000 B | NA | 110000 B | NA | NA | 5 U | 12 JB | 360 B | NA |
| 1,2,3,4,7,8-HxCDF | pg/g | 120000 B | 1100 | 24000 B | NA | NA | NA | 14000000 EGB | 2400000 EQ | 2200 B | 160000 B | NA | 1400000 EB | NA | NA | 220 B | 110 B | 4900 B | NA |
| 1,2,3,4,7,8-HxCDD | pg/g | 300 | 9.1 | 150 B | NA | NA | NA | 28000 B | 3200 JB | 22 JB | 40000 B | NA | 13000 B | NA | NA | 9.2 U | 5.6 JQB | 190 JB | NA |
| 1,2,3,6,7,8-HxCDF | pg/g | 45000 | 230 | 4200 B | NA | NA | NA | 2100000 EGB | 400000 B | 460 B | 30000 B | NA | 160000 B | NA | NA | 380 B | 210 B | 1400 B | NA |
| 1,2,3,6,7,8-HxCDD | pg/g | 890 | 15 | 410 B | NA | NA | NA | 110000 B | 11000 B | 100 B | 110000 | NA | 45000 B | NA | NA | 32 JB | 29 B | 850 B | NA |
| 1,2,3,7,8,9-HxCDD | pg/g | 270 J | 5.6 | 120 B | NA | NA | NA | 12000 B | 1600 JB | 42 JB | 46000 | NA | 22000 B | NA | NA | 10 JB | 19 B | 450 B | NA |
| 1,2,3,7,8-PeCDF | pg/g | 3700 G | 47 | 790 | NA | NA | NA | 470000 EG | 53000 E | 190 | 7900 B | NA | 40000 | NA | NA | 550 | 99 | 1500 | NA |
| 1,2,3,7,8-PeCDD | pg/g | 510 | 9.4 | 260 | NA | NA | NA | 59000 G | 3100 | 67 U | 58000 | NA | 23000 | NA | NA | 15 U | 16 | 720 | NA |
| 2,3,4,6,7,8-HxCDF | pg/g | 9100 | 48 | 1300 | NA | NA | NA | 610000 GB | 110000 B | 190 B | 21000 | NA | 49000 B | NA | NA | 410 B | 460 B | 1600 B | NA |
| 2,3,4,7,8-PeCDF | pg/g | 19000 G | 170 | 4100 B | NA | NA | NA | 4500000 EG | 320000 E | 1500 | 98000 B | NA | 260000 | NA | NA | 6600 | 410 | 8600 | NA |
| 2,3,7,8-TCDF | pg/g | 940 | 51 G | 510 | NA | NA | NA | 65000 G | 5700 | 310 | 9400 B | NA | 54000 | NA | NA | 2400 | 170 | 7600 G | NA |
| 2,3,7,8-TCDD | pg/g | 240 | 8.2 GQ | 130 GQB | NA | NA | NA | 17000 G | 720 Q | 22 UG | 4600 B | NA | 18000 | NA | NA | 6.9 U | 6.8 | 780 | NA |
| OCDF | pg/g | 900000 EGB | 5100 EB | 150000 EB | NA | NA | NA | 170000000 EGBS | 18000000 EB | 7700 B | 940000 EB | NA | 7400000 EB | NA | NA | 170 B | 53 B | 6400 B | NA |
| OCDD | pg/g | 14000 B | 200 B | 17000 B | NA | NA | NA | 1600000 B | 160000 B | 390 B | 820000 EB | NA | 450000 B | NA | NA | 16 JQB | 30 JB | 1200 B | NA |
| Total HpCDD | pg/g | 8100 B | 170 B | 3800 EB | NA | NA | NA | 1000000 BQ | 99000 BQ | 440 B | 430000 EB | NA | 210000 B | NA | NA | 42 JQB | 70 B | 1400 QB | NA |
| Total HpCDF | pg/g | 460000 EGB | 4200 EGB | 98000 BE | NA | NA | NA | 11000000 BES | 5100000 EB | 8900 B | 700000 EB | NA | 3600000 EB | NA | NA | 260 QB | 330 JB | 12000 B | NA |
| Total HxCDD | pg/g | 7300 JB | 350 JQB | 2800 QB | NA | NA | NA | 750000 BQ | 81000 JB | 1100 JQB | 690000 QB | NA | 340000 B | NA | NA | 94 JBQ | 120 JQB | 5600 JQB | NA |
| Total HxCDF | pg/g | 380000 B | 2900 JQB | 63000 JB | NA | NA | NA | 36000000 BGE | 6400000 EB | 5500 JQB | 500000 B | NA | 2500000 EB | NA | NA | 2000 JQB | 1500 JQB | 17000 JB | NA |
| Total PeCDD | pg/g | 9600 BQJ | 820 JQ | 5900 BQ | NA | NA | NA | 1100000 GQ | 83000 JQ | 540 | 590000 QB | NA | 520000 | NA | NA | 79 Q | 82 JQ | 12000 Q | NA |
| Total PeCDF | pg/g | 140000 G | 1200 JQ | 33000 B | NA | NA | NA | 30000000 EGQ | 2400000 EQ | 7800 Q | 530000 QB | NA | 1900000 Q | NA | NA | 19000 Q | 1600 Q | 50000 Q | NA |
| Total TCDD | pg/g | 9300 Q | 440 GQ | 9100 GQB | NA | NA | NA | 770000 G | 36000 Q | 22 UG | 890000 QB | NA | 530000 Q | NA | NA | 88 Q | 63 Q | 5700 | NA |
| Total TCDF | pg/g | 74000 Q | 2100 | 28000 GB | NA | NA | NA | 7100000 G | 520000 | 9800 | 410000 GB | NA | 2000000 G | NA | NA | 21000 | 2200 Q | 160000 GQ | NA |
| TEQ (ND = 0) | pg/g | 2.86E+04 | 2.60E+02 | 5.67E+03 | NA | NA | NA | 3.33E+06 | 4.44E+05 | 8.74E+02 | 1.43E+05 | NA | 3.31E+05 | NA | NA | 2.35E+03 | 2.54E+02 | 5.95E+03 | NA |

Notes:
[1]: Waste Classification Request Form
[HWM-009 (6/22/09)] Appendix 4.
PCB standard from TSCA 40 CFR 761.
TEF - Toxicity Equivalent Factor (World Health Organization, 2005)
TEQ = Toxicity Equivalent Quotient
* - Dioxin results are from 8/3/2010
S.U. - Standard units
ug/kg - micrograms per kilogram
mg/kg - milligrams per kilogram

STANDARD CHLORINE CHEMICAL CO., INC.
PENINSULA RESTORATION GROUP
KEARNY, NEW JERSEY

| PARAMETER | UNITS | B18-PW9B 5/27/2010 | B18-RT 5/27/2010 | B18-W1 6/17/2010 | B21-W1 6/4/2010 | G1 6/4/2010* | M-16 8/4/2010 | M-19 8/4/2010 | M-20 8/4/2010 | W1 6/4/2010* |
|---|---|---|---|---|---|---|---|---|---|---|
| **RCRA CHARACTERISTICS** | | | | | | | | | | |
| Ammonia Nitrogen | mg/kg | NA | 14.9 J | NA | NA | NA | NA | NA | NA | NA |
| BTU | BTU/lb | NA | 2100 | NA | NA | NA | NA | NA | NA | NA |
| Flashpoint/Ignitability | Degrees F | NA | No | No | NA | No | NA | NA | NA | No |
| pH | S.U. | NA | 4.4 | 4.5 | NA | 7.7 | NA | NA | NA | 3.9 |
| Total Organic Halogens | mg/kg | NA | 2110 | NA | NA | NA | NA | NA | NA | NA |
| Total Sulfide | mg/kg | NA | 28.5 B | 6.5 U | NA | 6.4 B | NA | NA | NA | 6.5 U |
| Total Cyanide | mg/kg | NA | 0.2 B | 0.21 B | NA | 0.15 B | NA | NA | NA | 4 |
| **TCLP VOCs** | | | | | | | | | | |
| 1,1-Dichloroethylene | mg/l | NA | 0.043 U | 0.043 U | NA | 0.043 U | NA | NA | NA | 0.043 U |
| 1,2-Dichloroethane | mg/l | NA | 0.038 U | 0.038 U | NA | 0.038 U | NA | NA | NA | 0.038 U |
| 2-Butanone | mg/l | NA | 0.043 U | 0.043 U | NA | 0.043 U | NA | NA | NA | 0.043 U |
| Benzene | mg/l | NA | 0.040 U | 0.040 U | NA | 0.040 U | NA | NA | NA | 0.040 U |
| Carbon Tetrachloride | mg/l | NA | 0.043 U | 0.043 U | NA | 0.043 U | NA | NA | NA | 0.043 U |
| Chlorobenzene | mg/l | NA | 0.021 U | 0.021 U | NA | 0.021 U | NA | NA | NA | 0.021 U |
| Chloroform | mg/l | NA | 0.040 U | 0.040 U | NA | 0.040 U | NA | NA | NA | 0.040 U |
| Tetrachloroethylene | mg/l | NA | 0.033 U | 0.033 U | NA | 0.033 U | NA | NA | NA | 0.033 U |
| Trichloroethylene | mg/l | NA | 0.032 U | 0.032 U | NA | 0.032 U | NA | NA | NA | 0.032 U |
| Vinyl chloride | mg/l | NA | 0.052 U | 0.052 U | NA | 0.052 U | NA | NA | NA | 0.052 U |
| **TCLP SVOCs** | | | | | | | | | | |
| 1,4-Dichlorobenzene | mg/l | NA | 0.15 | 0.0012 U | NA | 0.0012 U | NA | NA | NA | 0.0012 U |
| 2,4,5-Trichlorophenol | mg/l | NA | 0.18 | 0.0013 U | NA | 0.0013 U | NA | NA | NA | 0.0013 U |
| 2,4,6-Trichlorophenol | mg/l | NA | 0.2 | 0.0011 U | NA | 0.0011 U | NA | NA | NA | 0.0011 U |
| 2,4-Dinitrotoluene | mg/l | NA | 0.0010 U | 0.0010 U | NA | 0.0010 U | NA | NA | NA | 0.0010 U |
| Cresols | mg/l | NA | 0.0040 U | 0.0040 U | NA | 0.0040 U | NA | NA | NA | 0.0053 J |
| Hexachlorobenzene | mg/l | NA | 0.0011 U | 0.0011 U | NA | 0.0011 U | NA | NA | NA | 0.0011 U |
| Hexachlorobutadiene | mg/l | NA | 0.0013 U | 0.0013 U | NA | 0.0013 U | NA | NA | NA | 0.0013 U |
| Hexachloroethane | mg/l | NA | 0.0013 U | 0.0013 U | NA | 0.0013 U | NA | NA | NA | 0.0013 U |
| Nitrobenzene | mg/l | NA | 0.0013 U | 0.0013 U | NA | 0.0013 U | NA | NA | NA | 0.0013 U |
| Pentachlorophenol | mg/l | NA | 0.0022 U | 0.0022 U | NA | 0.0022 U | NA | NA | NA | 0.0022 U |
| Pyridine | mg/l | NA | 0.00083 U | 0.00083 U | NA | 0.00083 U | NA | NA | NA | 0.00083 U |
| **TCLP Metals** | | | | | | | | | | |
| Arsenic | mg/l | NA | 0.0056 B | 0.0049 B | NA | 0.0056 B | NA | NA | NA | 0.0022 U |
| Barium | mg/l | NA | 0.0054 B | 0.18 B | NA | 0.036 B | NA | NA | NA | 0.13 B |
| Cadmium | mg/l | NA | 0.00032 B | 0.1 | NA | 0.00024 U | NA | NA | NA | 0.066 |
| Chromium | mg/l | NA | 0.0037 B | 3.7 | 8.7 | 0.15 | NA | NA | NA | 5.7 |
| Lead | mg/l | NA | 0.0014 U | 0.25 | NA | 0.053 | NA | NA | NA | 0.75 |
| Mercury | mg/l | NA | 0.0001 B | 0.00095 | NA | 0.000038 U | NA | NA | NA | 0.00018 B |
| Selenium | mg/l | NA | 0.0052 B | 0.011 B | NA | 0.0085 B | NA | NA | NA | 0.0087 B |
| Silver | mg/l | NA | 0.00058 U | 0.0015 B | NA | 0.00058 U | NA | NA | NA | 0.0044 B |
| **TCLP Pesticides** | | | | | | | | | | |
| Chlordane | mg/l | NA | 0.00066 U | 0.00066 U | NA | 0.00066 U | NA | NA | NA | 0.00066 U |
| Endrin | mg/l | NA | 0.00039 U | 0.00039 U | NA | 0.00039 U | NA | NA | NA | 0.00039 U |
| Heptachlor | mg/l | NA | 0.00040 U | 0.00040 U | NA | 0.00040 U | NA | NA | NA | 0.00040 U |
| Heptachlor epoxide | mg/l | NA | 0.00039 U | 0.00039 U | NA | 0.00039 U | NA | NA | NA | 0.00039 U |
| Lindane | mg/l | NA | 0.00032 U | 0.00032 U | NA | 0.00032 U | NA | NA | NA | 0.00032 U |
| Methoxychlor | mg/l | NA | 0.00037 U | 0.00037 U | NA | 0.00037 U | NA | NA | NA | 0.00037 U |
| Toxaphene | mg/l | NA | 0.0074 U | 0.0074 U | NA | 0.0074 U | NA | NA | NA | 0.0074 U |
| **TCLP Herbicides** | | | | | | | | | | |
| 2,4-D | mg/l | NA | 0.013 JPG | 0.0045 U | NA | 0.0045 U | NA | NA | NA | 0.0045 U |
| Silvex | mg/l | NA | 0.0011 U | 0.0011 U | NA | 0.0011 U | NA | NA | NA | 0.0011 U |
| **Total PCBs** | | | | | | | | | | |
| Aroclor 1016 | ug/kg | NA | 50 U | 2.7 U | NA | 2.5 U | NA | NA | NA | 2.6 U |
| Aroclor 1221 | ug/kg | NA | 64 U | 3.4 U | NA | 3.2 U | NA | NA | NA | 3.4 U |
| Aroclor 1232 | ug/kg | NA | 57 U | 3.1 U | NA | 2.9 U | NA | NA | NA | 3 U |
| Aroclor 1242 | ug/kg | NA | 55 U | 2.9 U | NA | 2.7 U | NA | NA | NA | 2.9 U |
| Aroclor 1248 | ug/kg | NA | 32 U | 1.7 U | NA | 1.6 U | NA | NA | NA | 1.7 U |
| Aroclor 1254 | ug/kg | NA | 870 | 2.6 U | NA | 2.4 U | NA | NA | NA | 2.5 U |
| Aroclor 1260 | ug/kg | NA | 48 U | 2.6 U | NA | 2.4 U | NA | NA | NA | 2.5 U |
| Aroclor 1262 | ug/kg | NA | 73 U | 3.9 U | NA | 3.7 U | NA | NA | NA | 3.9 U |
| Aroclor 1268 | ug/kg | NA | 43 U | 2.3 U | NA | 2.2 U | NA | NA | NA | 2.3 U |
| **Total VOCs** | | | | | | | | | | |
| 1,1,1-Trichloroethane | ug/kg | 660000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2,2-Tetrachloroethane | ug/kg | 600000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ug/kg | 210000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | ug/kg | 750000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | ug/kg | 650000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethylene | ug/kg | 690000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | ug/kg | 240000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dibromoethane | ug/kg | 390000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichlorobenzene | ug/kg | 14000000 | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloroethane | ug/kg | 620000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichloropropane | ug/kg | 820000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,3-Dichlorobenzene | ug/kg | 28000000 | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | ug/kg | 340000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Butanone | ug/kg | 700000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Hexanone | ug/kg | 370000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Methyl-2-pentanone | ug/kg | 380000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetone | ug/kg | 3200000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzene | ug/kg | 640000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Bromodichloromethane | ug/kg | 600000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Bromoform | ug/kg | 690000 U | NA | NA | NA | NA | NA | NA | NA | NA |

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| PARAMETER | UNITS | B18-PW9B 5/27/2010 | B18-RT 5/27/2010 | B18-W1 6/17/2010 | B21-W1 6/4/2010 | G1 6/4/2010* | M-16 8/4/2010 | M-19 8/4/2010 | M-20 8/4/2010 | W1 6/4/2010* |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromomethane | ug/kg | 1000000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon disulfide | ug/kg | 690000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Tetrachloride | ug/kg | 700000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Chlorobenzene | ug/kg | 340000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Chloroethane | ug/kg | 480000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Chloroform | ug/kg | 650000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Chloromethane | ug/kg | 600000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,2-Dichloroethylene | ug/kg | 430000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| cis-1,3-Dichloropropene | ug/kg | 470000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyclohexane | ug/kg | 380000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibromochloropropane | ug/kg | 230000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibromochloromethane | ug/kg | 420000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Dichlorodifluoromethane | ug/kg | 410000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | ug/kg | 400000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Isopropylbenzene | ug/kg | 340000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyl Acetate | ug/kg | 790000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylcyclohexane | ug/kg | 360000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene chloride | ug/kg | 700000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Methyltert-butylether | ug/kg | 660000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Styrene | ug/kg | 410000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethylene | ug/kg | 530000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Toluene | ug/kg | 540000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | ug/kg | 480000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Trans-1,3-Dichloropropene | ug/kg | 370000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethylene | ug/kg | 520000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichlorofluoromethane | ug/kg | 720000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl chloride | ug/kg | 830000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| Xylene (total) | ug/kg | 1300000 U | NA | NA | NA | NA | NA | NA | NA | NA |
| **Total SVOCs** | | | | | | | | | | |
| 1,1'-Biphenyl | ug/kg | NA | 32000 U | NA | NA | NA | NA | NA | NA | NA |
| 2,2'-oxybis(1-chloropropane) | ug/kg | NA | 7300 U | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | ug/kg | NA | 36000 U | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | ug/kg | NA | 51000 U | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | ug/kg | NA | 6800 U | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | ug/kg | NA | 53000 U | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | ug/kg | NA | 400000 U | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | ug/kg | NA | 27000 U | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | ug/kg | NA | 35000 U | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | ug/kg | NA | 7100 U | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | ug/kg | NA | 28000 U | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | ug/kg | NA | 6100 U | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | ug/kg | NA | 24000 U | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | ug/kg | NA | 150000 U | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | ug/kg | NA | 37000 U | NA | NA | NA | NA | NA | NA | NA |
| 3,3-Dichlorobenzidine | ug/kg | NA | 36000 U | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | ug/kg | NA | 140000 U | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | ug/kg | NA | 140000 U | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenylphenyl ether | ug/kg | NA | 30000 U | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | ug/kg | NA | 31000 U | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | ug/kg | NA | 27000 U | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | ug/kg | NA | 38000 U | NA | NA | NA | NA | NA | NA | NA |
| 4-Methylphenol | ug/kg | NA | 33000 U | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | ug/kg | NA | 140000 U | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | ug/kg | NA | 120000 U | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | ug/kg | NA | 6500 U | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | ug/kg | NA | 7800 U | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | ug/kg | NA | 28000 U | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | ug/kg | NA | 6600 U | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | ug/kg | NA | 33000 U | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | ug/kg | NA | 51000 U | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | ug/kg | NA | 8500 U | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | ug/kg | NA | 6800 U | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | ug/kg | NA | 11000 U | NA | NA | NA | NA | NA | NA | NA |
| Benzo(ghi)perylene | ug/kg | NA | 6800 U | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | ug/kg | NA | 14000 U | NA | NA | NA | NA | NA | NA | NA |
| Bis(2-chloroethoxy)methane | ug/kg | NA | 22000 U | NA | NA | NA | NA | NA | NA | NA |
| Bis(2-chloroethyl)ether | ug/kg | NA | 9100 U | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Ethylhexyl) phthalate | ug/kg | NA | 55000 U | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzyl phthalate | ug/kg | NA | 46000 U | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | ug/kg | NA | 260000 U | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | ug/kg | NA | 6300 U | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | ug/kg | NA | 8100 U | NA | NA | NA | NA | NA | NA | NA |
| Dibenzo(a,h)anthracene | ug/kg | NA | 7600 U | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | ug/kg | NA | 33000 U | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | ug/kg | NA | 37000 U | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | ug/kg | NA | 37000 U | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butyl phthalate | ug/kg | NA | 43000 U | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | ug/kg | NA | 36000 U | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | ug/kg | NA | 7300 U | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | ug/kg | NA | 9000 U | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | ug/kg | NA | 7200 U | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | ug/kg | NA | 7600 U | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | ug/kg | NA | 37000 U | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | ug/kg | NA | 24000 U | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | ug/kg | NA | 7000 U | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | ug/kg | NA | 26000 U | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | ug/kg | NA | 20000 J | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | ug/kg | NA | 28000 U | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | ug/kg | NA | 31000 U | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodipropylamine | ug/kg | NA | 8000 U | NA | NA | NA | NA | NA | NA | NA |

STANDARD CHLORINE CHEMICAL CO., INC.
PENINSULA RESTORATION GROUP
KEARNY, NEW JERSEY

| PARAMETER | UNITS | B18-PW9B 5/27/2010 | B18-RT 5/27/2010 | B18-W1 6/17/2010 | B21-W1 6/4/2010 | G1 6/4/2010* | M-16 8/4/2010 | M-19 8/4/2010 | M-20 8/4/2010 | W1 6/4/2010* |
|---|---|---|---|---|---|---|---|---|---|---|
| Pentachlorophenol | ug/kg | NA | 30000 U | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | ug/kg | NA | 11000 U | NA | NA | NA | NA | NA | NA | NA |
| Phenol | ug/kg | NA | 8000 U | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | ug/kg | NA | 6900 U | NA | NA | NA | NA | NA | NA | NA |
| **Total Metals** | | | | | | | | | | |
| Aluminum | mg/kg | NA | 77.3 B | NA | NA | NA | NA | NA | NA | NA |
| Antimony | mg/kg | NA | 15.3 B | NA | NA | NA | NA | NA | NA | NA |
| Arsenic | mg/kg | NA | 99 | NA | NA | NA | NA | NA | NA | NA |
| Barium | mg/kg | NA | 6 B | NA | NA | NA | NA | NA | NA | NA |
| Beryllium | mg/kg | NA | 0.15 U | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | mg/kg | NA | 0.61 U | NA | NA | NA | NA | NA | NA | NA |
| Calcium | mg/kg | NA | 1U | NA | NA | NA | NA | NA | NA | NA |
| Chromium | mg/kg | NA | 387 | NA | NA | NA | NA | NA | NA | NA |
| Cobalt | mg/kg | NA | 46.9 | NA | NA | NA | NA | NA | NA | NA |
| Copper | mg/kg | NA | 797 | NA | NA | NA | NA | NA | NA | NA |
| Iron | mg/kg | NA | 723000 J | NA | NA | NA | NA | NA | NA | NA |
| Lead | mg/kg | NA | 3.8 B | NA | NA | NA | NA | NA | NA | NA |
| Magnesium | mg/kg | NA | 2.2 U | NA | NA | NA | NA | NA | NA | NA |
| Manganese | mg/kg | NA | 1250 | NA | NA | NA | NA | NA | NA | NA |
| Mercury | mg/kg | NA | 9.9 | NA | NA | NA | NA | NA | NA | NA |
| Nickel | mg/kg | NA | 328 | NA | NA | NA | NA | NA | NA | NA |
| Potassium | mg/kg | NA | 43 U | NA | NA | NA | NA | NA | NA | NA |
| Selenium | mg/kg | NA | 5.3 U | NA | NA | NA | NA | NA | NA | NA |
| Silver | mg/kg | NA | 0.95 | NA | NA | NA | NA | NA | NA | NA |
| Sodium | mg/kg | NA | 465 BJ | NA | NA | NA | NA | NA | NA | NA |
| Thallium | mg/kg | NA | 10.3 B | NA | NA | NA | NA | NA | NA | NA |
| Vanadium | mg/kg | NA | 18 B | NA | NA | NA | NA | NA | NA | NA |
| Zinc | mg/kg | NA | 35.9 B | NA | NA | NA | NA | NA | NA | NA |
| **Dioxins/Furans** | | | | | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | pg/g | NA | 140 B | 110000 EB | NA | 60 U | 13000 | 220 U | 230 U | 39000 |
| 1,2,3,4,6,7,8-HpCDD | pg/g | NA | 3.3 JB | 880 B | NA | 52 U | 270 U | 180 U | 230 U | 4500 U |
| 1,2,3,7,8,9-HxCDF | pg/g | NA | 1.4 JQB | 16 JQ | NA | 64 U | 220 U | 210 U | 190 U | 900 U |
| 1,2,3,4,7,8,9-HpCDF | pg/g | NA | 2.4 JB | 3700 | NA | 67 U | 410 U | 310 U | 240 U | 2000 U |
| 1,2,3,4,7,8-HxCDF | pg/g | NA | 50 B | 30000 EB | NA | 40 U | 1900 U | 130 U | 170 U | 11000 J |
| 1,2,3,4,7,8-HxCDD | pg/g | NA | 0.75 JQB | 59 B | NA | 60 U | 140 U | 200 U | 280 U | 850 U |
| 1,2,3,6,7,8-HxCDF | pg/g | NA | 94 B | 4800 B | NA | 40 U | 570 U | 140 U | 160 U | 1100 U |
| 1,2,3,6,7,8-HxCDD | pg/g | NA | 7.6 B | 220 B | NA | 65 U | 180 U | 250 U | 310 U | 1000 U |
| 1,2,3,7,8,9-HxCDD | pg/g | NA | 1.3 JB | 88 B | NA | 75 U | 160 U | 260 U | 250 U | 820 U |
| 1,2,3,7,8-PeCDF | pg/g | NA | 180 | 370 | NA | 45 U | 320 U | 210 U | 190 U | 600 U |
| 1,2,3,7,8-PeCDD | pg/g | NA | 5.1 J | 110 | NA | 120 U | 370 U | 370 U | 450 U | 1200 U |
| 2,3,4,6,7,8-HxCDF | pg/g | NA | 170 B | 1500 | NA | 61 U | 400 U | 280 U | 180 U | 1300 U |
| 2,3,4,7,8-PeCDF | pg/g | NA | 840 | 2800 B | NA | 47 U | 230 U | 160 U | 210 U | 1400 U |
| 2,3,7,8-TCDF | pg/g | NA | 200G | 170 B | NA | 37 U | 190 U | 230 U | 200 U | 870 U |
| 2,3,7,8-TCDD | pg/g | NA | 1.8 | 26 B | NA | 55 U | 160 U | 150 U | 180 U | 670 U |
| OCDF | pg/g | NA | 86 B | 300000 EB | NA | 58 U | 11000 J | 250 U | 230 U | 49000 |
| OCDD | pg/g | NA | 4.5 JB | 7500 B | NA | 100 U | 2200 U | 260 U | 760 U | 39000 |
| Total HpCDD | pg/g | NA | 4.8 JQB | 1900 B | NA | 64 U | 450 U | 240 U | 240 U | 4500 U |
| Total HpCDF | pg/g | NA | 160 JB | 130000 EB | NA | 150 U | 13000 | 500 U | 340 U | 39000 |
| Total HxCDD | pg/g | NA | 16 JQB | 1600 QB | NA | 100 U | 320 U | 360 U | 370 U | 1300 U |
| Total HxCDF | pg/g | NA | 550 JQB | 57000 JQEB | NA | 69 U | 3100 | 330 U | 250 U | 11000 |
| Total PeCDD | pg/g | NA | 52 J | 1600 QB | NA | 130 U | 690 U | 800 U | 1000 U | 3100 U |
| Total PeCDF | pg/g | NA | 5100 Q | 16000 B | NA | 76 U | 1100 U | 250 U | 250 U | 3600 U |
| Total TCDD | pg/g | NA | 100 Q | 1100 QB | NA | 480 U | 1300 U | 1400 U | 1300 U | 3800 U |
| Total TCDF | pg/g | NA | 11000 GQ | 4600 B | NA | 80 U | 410 U | 390 U | 250 U | 1100 U |
| TEQ (ND = 0) | pg/g | NA | 3.18E+02 | 5.91E+03 | NA | 0.00E+00 | 1.33E+02 | 0.00E+00 | 0.00E+00 | 1.52E+03 |

Notes:
[1]: Waste Classification Request Form
[HWM-009 (6/22/09)] Appendix 4.
PCB standard from TSCA 40 CFR 761.
TEF - Toxicity Equivalent Factor (World Health Organization, 2005)
TEQ = Toxicity Equivalent Quotient
* - Dioxin results are from 8/3/2010
S.U. - Standard units
ug/kg - micrograms per kilogram
mg/kg - milligrams per kilogram

# CHAIN OF CUSTODY FORM

**ACCREDITED ANALYTICAL RESOURCES, LLC**
20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

STATE AGENCY NJ NY PA CT DE OTHER _____

| | |
|---|---|
| CLIENT | Chemtron Corporation |
| ADDRESS | 35850 Schneider Court |
| CITY | Avon |
| STATE | OH |
| ZIP | 44011 |

| | |
|---|---|
| PROJECT | Standard Chlorine Truck 2 CH14536MP |
| CONTACT | Mike Perry |
| PHONE | 440-336-0262 |
| FAX | 440-933-9500 |
| E-MAIL | MPerry@Chemtron-corp.com |

| LABORATORY SAMPLE # | CLIENT FIELD ID | # OF CONTAINERS | MATRIX | PRESERVATIVE | DATE / TIME SAMPLED | SAMPLE DESCRIPTION GRAB | COMPOSITE | DEPTH | ANALYSIS |
|---|---|---|---|---|---|---|---|---|---|
| 1200025 | Dielectric Switch Oil | 1 | O | N/A | 1/3/12 9:00 am | ✓ | | | PCB |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | P BLK S2 | | | | |
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** M = MATRIX CODE: S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER
GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME: ASAP 24 hrs (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☐ NO ☒ TEMPERATURE:

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER : NYASP Cat. A NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=$HNO_3$ 3=$H_2SO_4$ 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER

| RELINQUISHED BY: PRINT | RELINQUISHED BY: SIGN | RECEIVED BY: PRINT | RECEIVED BY: SIGN | ORGANIZATION | DATE | TIME | REASON |
|---|---|---|---|---|---|---|---|
| Michael L. Perry | [signature] | A. REYNERS | [signature] | AAR | 1-4 | 9:23 | PM |
| A. REYNERS | [signature] | [signature] | [signature] | [signature] | 1/4/12 | [illegible] | Analysis |
| | | | | | | | |

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Michael L. Perry SIGN: [signature]

| | |
|---|---|
| COMMENTS | |

| | |
|---|---|
| AAR QUOTE # | |
| AAR CASE # | 1098 |
| P.O. # | |

See Reverse for Instructions

ACCREDITED ANALYTICAL RESOURCES
PESTICIDE/PCB ANALYSIS DATA SHEET

**Client Name:** CC
**Case No.:** 1098
**Project:** Standard Chlorine Truck2

**CLIENT SAMPLE NO**
SWITCH OIL

**Matrix: (soil/water)** OIL
**Sample wt/vol:** 1 **Unit:** G
**Level: (low/med)** LOW
**% Moisture:** 0
**Extraction: (Type)**
**Concentrated Extract Volume:** 10000 (µL)

**GPC Cleanup: (Y/N)** N

**Lab Sample ID:** 1200025
**Lab File ID:** A3573.D
**Date Collected:** 01/03/2012
**Date Extracted** 01/04/2012
**Date Analyzed:** 01/05/2012
**Dilution Factor:** 1
**Sulfur Cleanup: (Y/N)** N

| CAS NO. | COMPOUND | CONC MG/KG | Q | MDL | PQL |
|---|---|---|---|---|---|
| 12674-11-2 | Aroclor-1016 | ND | U | 0.5 | 1 |
| 11104-28-2 | Aroclor-1221 | ND | U | 0.5 | 1 |
| 11141-16-5 | Aroclor-1232 | ND | U | 0.5 | 1 |
| 53469-21-9 | Aroclor-1242 | ND | U | 0.5 | 1 |
| 12672-29-6 | Aroclor-1248 | ND | U | 0.5 | 1 |
| 11097-69-1 | Aroclor-1254 | 7.31 | | 0.5 | 1 |
| 11096-82-5 | Aroclor-1260 | ND | U | 0.5 | 1 |
| 37324-23-5 | Aroclor-1262 | ND | U | 0.5 | 1 |
| 11100-14-4 | Aroclor-1268 | ND | U | 0.5 | 1 |

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

**Pace Analytical Services, Inc.**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

February 17, 2012

Mike Perry
Chemtron Corporation
35850 Schneider Court
Avon, OH 44011

RE: Project: Macungie Station (ZG) Tank 220
Pace Project No.: 3061445

Dear Mike Perry:
Enclosed are the analytical results for sample(s) received by the laboratory on January 19, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Penny Westrick

penny.westrick@pacelabs.com
Project Manager

Enclosures



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Greensburg, PA 15601
(724)850-5600

# CERTIFICATIONS

Project: Macungie Station (ZG) Tank 220
Pace Project No.: 3061445

**Pennsylvania Certification IDs**
1638 Roseytown Road Suites 2,3&4, Greensburg, PA 15601
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California/NELAC Certification #: 04222CA
Colorado Certification
Connecticut Certification #: PH 0694
Delaware Certification
Florida/NELAC Certification #: E87683
Guam/PADEP Certification
Hawaii/PADEP Certification
Idaho Certification
Illinois/PADEP Certification
Indiana/PADEP Certification
Iowa Certification #: 391
Kansas/NELAC Certification #: E-10358
Kentucky Certification #: 90133
Louisiana/NELAC Certification #: LA080002
Louisiana/NELAC Certification #: 4086
Maine Certification #: PA0091
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification
Missouri Certification #: 235
Montana Certification #: Cert 0082
Nevada Certification
New Hampshire/NELAC Certification #: 2976
New Jersey/NELAC Certification #: PA 051
New Mexico Certification
New York/NELAC Certification #: 10888
North Carolina Certification #: 42706
Oregon/NELAC Certification #: PA200002
Pennsylvania/NELAC Certification #: 65-00282
Puerto Rico Certification #: PA01457
South Dakota Certification
Tennessee Certification #: TN2867
Texas/NELAC Certification #: T104704188-09 TX
Utah/NELAC Certification #: ANTE
Virgin Island/PADEP Certification
Virginia Certification #: 00112
Virginia VELAP (Cert # 460198)
Washington Certification #: C1941
West Virginia Certification #: 143
Wisconsin/PADEP Certification
Wyoming Certification #: 8TMS-Q



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Greensburg, PA 15601
(724)850-5600

## SAMPLE ANALYTE COUNT

Project: Macungie Station (ZG) Tank 220
Pace Project No.: 3061445

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|---|---|---|---|---|---|
| **3061445001** | **Water** | EPA 8082 | SJG | 10 | PASI-PA |
| | | ASTM D2974-87 | AJC | 1 | PASI-PA |



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Greensburg, PA 15601
(724)850-5600

# PROJECT NARRATIVE

Project: Macungie Station (ZG) Tank 220
Pace Project No.: 3061445

**Method:** **EPA 8082**
**Description:** 8082 GCS PCB
**Client:** Chemtron Corporation
**Date:** February 17, 2012

**General Information:**
1 sample was analyzed for EPA 8082. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**
The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**
All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**
All criteria were within method requirements with any exceptions noted below.

**Surrogates:**
All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**
All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**
All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Duplicate Sample:**
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

**Additional Comments:**

Batch Comments:

The following samples were diluted due to the presence of high levels of non-target analytes or other matrix interference, resulting in elevated reporting limits for all analytes: 3061550001.
- QC Batch: GCSV / 4126

Analyte Comments:

QC Batch: OEXT/10362

1c: The surrogates are diluted out.
- Water (Lab ID: 3061445001)
  - Decachlorobiphenyl (S)
  - Tetrachloro-m-xylene (S)



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Greensburg, PA 15601
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# PROJECT NARRATIVE

Project: Macungie Station (ZG) Tank 220
Pace Project No.: 3061445

**Method:** **EPA 8082**
**Description:** 8082 GCS PCB
**Client:** Chemtron Corporation
**Date:** February 17, 2012

This data package has been reviewed for quality and completeness and is approved for release.



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Greensburg, PA 15601
(724)850-5600

# ANALYTICAL RESULTS

Project: Macungie Station (ZG) Tank 220
Pace Project No.: 3061445

**Sample: Water** **Lab ID: 3061445001** Collected: 01/17/12 14:00 Received: 01/19/12 10:00 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8082 GCS PCB** | Analytical Method: EPA 8082 Preparation Method: EPA 3546 | | | | | | | |
| PCB-1016 (Aroclor 1016) | ND | ug/kg | 896000 | 10000 | 01/23/12 15:00 | 02/02/12 15:13 | 12674-11-2 | |
| PCB-1221 (Aroclor 1221) | ND | ug/kg | 896000 | 10000 | 01/23/12 15:00 | 02/02/12 15:13 | 11104-28-2 | |
| PCB-1232 (Aroclor 1232) | ND | ug/kg | 896000 | 10000 | 01/23/12 15:00 | 02/02/12 15:13 | 11141-16-5 | |
| PCB-1242 (Aroclor 1242) | ND | ug/kg | 896000 | 10000 | 01/23/12 15:00 | 02/02/12 15:13 | 53469-21-9 | |
| PCB-1248 (Aroclor 1248) | **4570000** | ug/kg | 896000 | 10000 | 01/23/12 15:00 | 02/02/12 15:13 | 12672-29-6 | |
| PCB-1254 (Aroclor 1254) | ND | ug/kg | 896000 | 10000 | 01/23/12 15:00 | 02/02/12 15:13 | 11097-69-1 | |
| PCB-1260 (Aroclor 1260) | ND | ug/kg | 896000 | 10000 | 01/23/12 15:00 | 02/02/12 15:13 | 11096-82-5 | |
| PCB, Total | **4570000** | ug/kg | 896000 | 10000 | 01/23/12 15:00 | 02/02/12 15:13 | 1336-36-3 | |
| ***Surrogates*** | | | | | | | | |
| Tetrachloro-m-xylene (S) | 0 | % | 30-150 | 10000 | 01/23/12 15:00 | 02/02/12 15:13 | 877-09-8 | 1c |
| Decachlorobiphenyl (S) | 0 | % | 30-150 | 10000 | 01/23/12 15:00 | 02/02/12 15:13 | 2051-24-3 | 1c |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | |
| Percent Moisture | **62.8** | % | 0.10 | 1 | | 01/27/12 17:20 | | |



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**Pace Analytical Services, Inc.**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

# QUALITY CONTROL DATA

Project: Macungie Station (ZG) Tank 220
Pace Project No.: 3061445

QC Batch: OEXT/10362 | Analysis Method: EPA 8082
QC Batch Method: EPA 3546 | Analysis Description: 8082 GCS PCB
Associated Lab Samples: 3061445001

METHOD BLANK: 394723 | Matrix: Solid
Associated Lab Samples: 3061445001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| PCB-1016 (Aroclor 1016) | ug/kg | ND | 16.7 | 01/25/12 12:03 | |
| PCB-1221 (Aroclor 1221) | ug/kg | ND | 16.7 | 01/25/12 12:03 | |
| PCB-1232 (Aroclor 1232) | ug/kg | ND | 16.7 | 01/25/12 12:03 | |
| PCB-1242 (Aroclor 1242) | ug/kg | ND | 16.7 | 01/25/12 12:03 | |
| PCB-1248 (Aroclor 1248) | ug/kg | ND | 16.7 | 01/25/12 12:03 | |
| PCB-1254 (Aroclor 1254) | ug/kg | ND | 16.7 | 01/25/12 12:03 | |
| PCB-1260 (Aroclor 1260) | ug/kg | ND | 16.7 | 01/25/12 12:03 | |
| Decachlorobiphenyl (S) | % | 85 | 30-150 | 01/25/12 12:03 | |
| Tetrachloro-m-xylene (S) | % | 94 | 30-150 | 01/25/12 12:03 | |

LABORATORY CONTROL SAMPLE: 394724

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| PCB-1242 (Aroclor 1242) | ug/kg | 167 | 145 | 87 | 55-145 | |
| Decachlorobiphenyl (S) | % | | | 82 | 30-150 | |
| Tetrachloro-m-xylene (S) | % | | | 82 | 30-150 | |

LABORATORY CONTROL SAMPLE: 394735

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| PCB-1242 (Aroclor 1242) | ug/kg | 167 | 170 | 102 | 55-145 | |
| Decachlorobiphenyl (S) | % | | | 111 | 30-150 | |
| Tetrachloro-m-xylene (S) | % | | | 93 | 30-150 | |

LABORATORY CONTROL SAMPLE: 394736

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| PCB-1242 (Aroclor 1242) | ug/kg | 167 | 167 | 100 | 55-145 | |
| Decachlorobiphenyl (S) | % | | | 108 | 30-150 | |
| Tetrachloro-m-xylene (S) | % | | | 93 | 30-150 | |

LABORATORY CONTROL SAMPLE: 394737

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| PCB-1242 (Aroclor 1242) | ug/kg | 167 | 176 | 105 | 55-145 | |
| Decachlorobiphenyl (S) | % | | | 117 | 30-150 | |
| Tetrachloro-m-xylene (S) | % | | | 94 | 30-150 | |



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# QUALITY CONTROL DATA

Project: Macungie Station (ZG) Tank 220
Pace Project No.: 3061445

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 394725 394726

| Parameter | Units | 3061490001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1242 (Aroclor 1242) | ug/kg | ND | 220 | 222 | 248 | 255 | 113 | 115 | 55-145 | 3 | |
| Decachlorobiphenyl (S) | % | | | | | | 93 | 91 | 30-150 | | |
| Tetrachloro-m-xylene (S) | % | | | | | | 71 | 74 | 30-150 | | |



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(724)850-5600

# QUALITY CONTROL DATA

Project: Macungie Station (ZG) Tank 220
Pace Project No.: 3061445

QC Batch: PMST/2957
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 3061445001

SAMPLE DUPLICATE: 397419

| Parameter | Units | 3061292001 Result | Dup Result | RPD | Qualifiers |
|---|---|---|---|---|---|
| Percent Moisture | % | 0.82 | 0.87 | 6 | |

SAMPLE DUPLICATE: 397420

| Parameter | Units | 3061445001 Result | Dup Result | RPD | Qualifiers |
|---|---|---|---|---|---|
| Percent Moisture | % | 62.8 | 60.2 | 4 | |



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(724)850-5600

# QUALIFIERS

Project: Macungie Station (ZG) Tank 220
Pace Project No.: 3061445

## DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

## LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

## BATCH QUALIFIERS

Batch: GCSV/4126

[1] The following samples were diluted due to the presence of high levels of non-target analytes or other matrix interference, resulting in elevated reporting limits for all analytes: 3061550001.

## ANALYTE QUALIFIERS

1c The surrogates are diluted out.



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# QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Macungie Station (ZG) Tank 220
Pace Project No.: 3061445

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---|---|---|---|---|---|
| **3061445001** | **Water** | EPA 3546 | OEXT/10362 | EPA 8082 | GCSV/4126 |
| **3061445001** | **Water** | ASTM D2974-87 | PMST/2957 | | |



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**Pace Analytical Services, Inc.**
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

www.pacelabs.com

## Report Prepared for:

Penny Westrick
PASI Pittsburgh
1638 Roseytown Road
Suites 2,3, & 4
Greensburg PA 15601

# REPORT OF LABORATORY ANALYSIS FOR PCDD/PCDF

## Report Information:

**Pace Project #: 10181656**
**Sample Receipt Date: 01/27/2012**
**Client Project #: 3061445**
**Client Sub PO #: N/A**
**State Cert #: MN002**

### Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 PCDD/PCDF Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Scott Unze, your Pace Project Manager.

### This report has been reviewed by:

February 16, 2012

Scott Unze, Project Manager
(612) 607-6383
(612) 607-6444 (fax)
scott.unze@pacelabs.com

**Report Prepared Date:**
February 16, 2012

## Report of Laboratory Analysis

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The results relate only to the samples included in this report.

**Pace Analytical Services, Inc.**
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

## DISCUSSION

This report presents the results from the analysis performed on one sample submitted by a representative of Pace Analytical Services, Inc. The sample was analyzed for the presence or absence of polychlorodibenzo-p-dioxins (PCDDs) and polychlorodibenzofurans (PCDFs) using a modified version of USEPA Method 8290. The reporting limits were set to correspond to the lowest calibration points and were adjusted for sample amount.

The recoveries of the isotopically-labeled PCDD/PCDF internal standards in the sample extract ranged from 63-88%. All of the labeled standard recoveries obtained for this project were within the 40-135% target range specified in Method 8290. Also, since the quantification of the native 2,3,7,8-substituted congeners was based on isotope dilution, the data were automatically corrected for variation in recovery and accurate values were obtained.

In some cases, interfering substances impacted the determinations of PCDF congeners; the affected values were flagged "P" where polychlorinated diphenyl ethers were present. Concentrations above the calibration range were flagged "E" and should be regarded as estimates. An interference precluded accurate measurement of the labeled cleanup standard in the field sample; this standard was reported as "NC" (Not Calculated.)

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results show the blank to contain background levels of Total TCDD and Total TCDF. The Total TCDD and Total TCDF concentrations reported for the field sample were higher than the corresponding blank levels by several orders of magnitude. These results indicate that the sample preparation procedures did not significantly impact the results reported for the field sample.

A laboratory spike sample was also prepared with the sample batch using clean sand that had been fortified with native standard materials. The results show that the spiked native compounds were recovered at 90-114%, indicating a high degree of accuracy for these determinations. Matrix spikes were prepared with the sample batch using sample material from a separate project; results from these analyses will be provided upon request.



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1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

# Minnesota Laboratory Certifications

| Authority | Certificate # | Authority | Certificate # |
|---|---|---|---|
| Alabama | 40770 | Montana | 92 |
| Alaska | MN00064 | Nebraska | |
| Arizona | AZ0014 | Nevada | MN_00064_200 |
| Arkansas | 88-0680 | New Jersey (NE | MN002 |
| California | 01155CA | New Mexico | MN00064 |
| Colorado | MN00064 | New York (NEL | 11647 |
| Connecticut | PH-0256 | North Carolina | 27700 |
| EPA Region 5 | WD-15J | North Dakota | R-036 |
| EPA Region 8 | 8TMS-Q | Ohio | 4150 |
| Florida (NELAP | E87605 | Ohio VAP | CL101 9507 |
| Georgia (DNR) | 959 | Oklahoma | D9922 |
| Guam | 959 | Oregon (ELAP) | MN200001-005 |
| Hawaii | SLD | Oregon (OREL | MN300001-001 |
| Idaho | MN00064 | Pennsylvania | 68-00563 |
| Illinois | 200012 | Saipan | MP0003 |
| Indiana | C-MN-01 | South Carolina | 74003001 |
| Indiana | C-MN-01 | Tennesee | 2818 |
| Iowa | 368 | Tennessee | 02818 |
| Kansas | E-10167 | Texas | T104704192-08 |
| Kentucky | 90062 | Utah (NELAP) | PAM |
| Louisiana | LA0900015 | Virginia | 00251 |
| Maine | 2007029 | Washington | C755 |
| Maryland | 322 | West Virginia | 9952C |
| Michigan | 9909 | Wisconsin | 999407970 |
| Minnesota | 027-053-137 | Wyoming | 8TMS-Q |
| Mississippi | MN00064 | | |

## REPORT OF LABORATORY ANALYSIS

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# Appendix A

Sample Management

# Chain of Custody

RUSH 1/27/12 LC

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10181656

**Workorder:** 3061445 **Workorder Name:** Macungie Station (ZG) Tank 220 **Owner Received Date:** 1/19/2012 **Results Requested By:** 2/2/2012

| Report To | Subcontract To |
|---|---|
| Penny Westrick<br>Pace Analytical Services, Inc.<br>1638 Roseytown Road<br>Greensburg, PA 15601<br>Phone (724)850-5600<br>Fax (999)999-9999 | Pace Analytical Minnesota<br>1700 Elm Street SE<br>Suite 200<br>Minneapolis, MN 55414<br>Phone (612)607-1700 |

| Item | Sample ID | Sample Type | Collect Date/Time | Lab ID | Matrix | Preserved Containers: Unpreserved | Requested Analysis: Dio XIO | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|
| 1 | Water | PS | 1/17/2012 14:00 | 3061445001 | Solid | 1 | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |

| Transfers | Released By | Date/Time | Received By | Date/Time |
|---|---|---|---|---|
| 1 | [signature] | 1/26/12 1500 | [signature] Pace | 1/27/12 9:56 |
| 2 | | | | |
| 3 | | | | |

Comments

Cooler Temperature on Receipt 5.7 °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

| Pace Analytical® | Document Name: **Sample Condition Upon Receipt Form** | Revised Date: 02Jun2011 Page 1 of 1 |
|---|---|---|
| | Document Number: **F-L-213 Rev.01** | Issuing Authority: Pace Minnesota Quality Office |

**Sample Condition Upon Receipt**

**Client Name:** Pace - Pitts **Project #** 10181656

**Courier:** ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

**Tracking #:** 9469456445 83

Optional
Proj. Due Date:
Proj. Name:

**Custody Seal on Cooler/Box Present:** ☐ yes ☑ no Seals intact: ☐ yes ☑ no

**Packing Material:** ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____ Temp Blank: Yes ✓ No _____

**Thermometer Used** 80344042 or 80512447 **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

**Cooler Temperature** 5.2 **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

**Date and Initials of person examining contents:** 1/27/12 CC

**Comments:**

| | | |
|---|---|---|
| Chain of Custody Present: | ☑Yes ☐No ☐N/A | 1. |
| Chain of Custody Filled Out: | ☑Yes ☐No ☐N/A | 2. |
| Chain of Custody Relinquished: | ☑Yes ☐No ☐N/A | 3. |
| Sampler Name & Signature on COC: | ☐Yes ☑No ☐N/A | 4. |
| Samples Arrived within Hold Time: | ☑Yes ☐No ☐N/A | 5. |
| **Short Hold Time Analysis (<72hr):** | ☐Yes ☑No ☐N/A | 6. |
| **Rush Turn Around Time Requested:** | ☑Yes ☐No ☐N/A | 7. |
| Sufficient Volume: | ☑Yes ☐No ☐N/A | 8. |
| Correct Containers Used: | ☑Yes ☐No ☐N/A | 9. |
| -Pace Containers Used: | ☑Yes ☐No ☐N/A | |
| Containers Intact: | ☑Yes ☐No ☐N/A | 10. |
| Filtered volume received for Dissolved tests | ☐Yes ☐No ☑N/A | 11. |
| Sample Labels match COC: | ☑Yes ☐No ☐N/A | 12. |
| -Includes date/time/ID/Analysis Matrix: SL | | |
| All containers needing acid/base preservation have been checked. Noncompliance are noted in 13. | ☐Yes ☐No ☑N/A | 13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ HCl |
| All containers needing preservation are found to be in compliance with EPA recommendation. | ☐Yes ☐No ☑N/A | Samp # |
| Exceptions: VOA,Coliform, TOC, Oil and Grease, WI-DRO (water) | ☐Yes ☑No | Initial when completed / Lot # of added preservative |
| Samples checked for dechlorination: | ☐Yes ☑No ☐N/A | 14. |
| Headspace in VOA Vials ( >6mm): | ☐Yes ☑No ☐N/A | 15. |
| Trip Blank Present: | ☐Yes ☑No ☐N/A | 16. |
| Trip Blank Custody Seals Present | ☐Yes ☑No ☐N/A | |
| Pace Trip Blank Lot # (if purchased): _____ | | |

**Client Notification/ Resolution:** Field Data Required? Y / N

Person Contacted: Penny Date/Time: 01/27/12

Comments/ Resolution:

- method 8290, T-O.
- Standard TAT is acceptable.

**Project Manager Review:** [signature] **Date:** 01/27/12

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

# Reporting Flags

A = Reporting Limit based on signal to noise

B = Less than 10x higher than method blank level

C = Result obtained from confirmation analysis

D = Result obtained from analysis of diluted sample

E = Exceeds calibration range

I = Interference present

J = Estimated value

Nn = Value obtained from additional analysis

P = PCDE Interference

R = Recovery outside target range

S = Peak saturated

U = Analyte not detected

V = Result verified by confirmation analysis

X = %D Exceeds limits

Y = Calculated using average of daily RFs

* = See Discussion



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# Appendix B

Sample Analysis  Summary

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

# Method 8290 Sample Analysis Results

Client - PASI Pittsburgh

| | | | |
|---|---|---|---|
| Client's Sample ID | Water | | |
| Lab Sample ID | 3061445001 | | |
| Filename | F120215A_16 | | |
| Injected By | SMT | | |
| Total Amount Extracted | 0.500 g | Matrix | Solid |
| % Moisture | 62.8 | Dilution | 20 |
| Dry Weight Extracted | 0.186 g | Collected | 01/17/2012 14:00 |
| ICAL ID | F110926 | Received | 01/27/2012 09:56 |
| CCal Filename(s) | F120215A_01 & F120215A_18 | Extracted | 02/01/2012 16:45 |
| Method Blank ID | BLANK-31482 | Analyzed | 02/15/2012 19:13 |

| Native Isomers | Conc ug/Kg | EMPC ug/Kg | RL ug/Kg | | Internal Standards | ng's Added | Percent Recovery | |
|---|---|---|---|---|---|---|---|---|
| 2,3,7,8-TCDF | 470 | ----- | 1.1 | ED | 2,3,7,8-TCDF-13C | 2.00 | 80 | D |
| Total TCDF | 15000 | ----- | 1.1 | ED | 2,3,7,8-TCDD-13C | 2.00 | 85 | D |
| | | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 79 | D |
| 2,3,7,8-TCDD | 62 | ----- | 1.1 | D | 2,3,4,7,8-PeCDF-13C | 2.00 | 88 | D |
| Total TCDD | 2700 | ----- | 1.1 | ED | 1,2,3,7,8-PeCDD-13C | 2.00 | 83 | D |
| | | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 74 | D |
| 1,2,3,7,8-PeCDF | ----- | 170 | 5.4 | P | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 72 | D |
| 2,3,4,7,8-PeCDF | 1400 | ----- | 5.4 | D | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 78 | D |
| Total PeCDF | 6500 | ----- | 5.4 | ED | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 84 | D |
| | | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 75 | D |
| 1,2,3,7,8-PeCDD | 73 | ----- | 5.4 | D | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 65 | D |
| Total PeCDD | 2400 | ----- | 5.4 | D | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 63 | D |
| | | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 74 | D |
| 1,2,3,4,7,8-HxCDF | ----- | 590 | 5.4 | P | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 81 | D |
| 1,2,3,6,7,8-HxCDF | 180 | ----- | 5.4 | D | OCDD-13C | 4.00 | 68 | D |
| 2,3,4,6,7,8-HxCDF | 99 | ----- | 5.4 | D | | | | |
| 1,2,3,7,8,9-HxCDF | 160 | ----- | 5.4 | D | 1,2,3,4-TCDD-13C | 2.00 | NA | |
| Total HxCDF | 2200 | ----- | 5.4 | D | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA | |
| 1,2,3,4,7,8-HxCDD | 13 | ----- | 5.4 | D | 2,3,7,8-TCDD-37Cl4 | 0.20 | NC | |
| 1,2,3,6,7,8-HxCDD | 69 | ----- | 5.4 | D | | | | |
| 1,2,3,7,8,9-HxCDD | 25 | ----- | 5.4 | D | | | | |
| Total HxCDD | 830 | ----- | 5.4 | D | | | | |
| 1,2,3,4,6,7,8-HpCDF | 1000 | ----- | 5.4 | D | Total 2,3,7,8-TCDD | | | |
| 1,2,3,4,7,8,9-HpCDF | 140 | ----- | 5.4 | D | Equivalence: 680 ug/Kg | | | |
| Total HpCDF | 1600 | ----- | 5.4 | D | (Using 2005 WHO Factors) | | | |
| 1,2,3,4,6,7,8-HpCDD | 90 | ----- | 5.4 | D | | | | |
| Total HpCDD | 210 | ----- | 5.4 | D | | | | |
| OCDF | 1000 | ----- | 11.0 | D | | | | |
| OCDD | 120 | ----- | 11.0 | D | | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit.

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Results reported on a dry weight basis and are valid to no more than 2 significant figures.
P = PCDE Interference
E = Exceeds calibration range
D = Result obtained from analysis of diluted sample

## REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

# Method 8290 Blank Analysis Results

| | | | |
|---|---|---|---|
| Lab Sample ID | BLANK-31482 | Matrix | Solid |
| Filename | U120207A_06 | Dilution | NA |
| Total Amount Extracted | 20.1 g | Extracted | 02/01/2012 16:45 |
| ICAL ID | U111118 | Analyzed | 02/07/2012 11:35 |
| CCal Filename(s) | U120207A_01 & U120207A_16 | Injected By | SMT |

| **Native Isomers** | **Conc** ug/Kg | **EMPC** ug/Kg | **RL** ug/Kg | **Internal Standards** | **ng's Added** | **Percent Recovery** |
|---|---|---|---|---|---|---|
| 2,3,7,8-TCDF | ND | ----- | 0.00050 | 2,3,7,8-TCDF-13C | 2.00 | 54 |
| Total TCDF | 0.00450 | ----- | 0.00050 | 2,3,7,8-TCDD-13C | 2.00 | 58 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.00 | 73 |
| 2,3,7,8-TCDD | ND | ----- | 0.00050 | 2,3,4,7,8-PeCDF-13C | 2.00 | 74 |
| Total TCDD | 0.00063 | ----- | 0.00050 | 1,2,3,7,8-PeCDD-13C | 2.00 | 81 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.00 | 75 |
| 1,2,3,7,8-PeCDF | ND | ----- | 0.00250 | 1,2,3,6,7,8-HxCDF-13C | 2.00 | 79 |
| 2,3,4,7,8-PeCDF | ND | ----- | 0.00250 | 2,3,4,6,7,8-HxCDF-13C | 2.00 | 76 |
| Total PeCDF | ND | ----- | 0.00250 | 1,2,3,7,8,9-HxCDF-13C | 2.00 | 77 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.00 | 78 |
| 1,2,3,7,8-PeCDD | ND | ----- | 0.00250 | 1,2,3,6,7,8-HxCDD-13C | 2.00 | 68 |
| Total PeCDD | ND | ----- | 0.00250 | 1,2,3,4,6,7,8-HpCDF-13C | 2.00 | 74 Y |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.00 | 82 Y |
| 1,2,3,4,7,8-HxCDF | ND | ----- | 0.00250 | 1,2,3,4,6,7,8-HpCDD-13C | 2.00 | 85 Y |
| 1,2,3,6,7,8-HxCDF | ND | ----- | 0.00250 | OCDD-13C | 4.00 | 74 Y |
| 2,3,4,6,7,8-HxCDF | ND | ----- | 0.00250 | | | |
| 1,2,3,7,8,9-HxCDF | ND | ----- | 0.00250 | 1,2,3,4-TCDD-13C | 2.00 | NA |
| Total HxCDF | ND | ----- | 0.00250 | 1,2,3,7,8,9-HxCDD-13C | 2.00 | NA |
| 1,2,3,4,7,8-HxCDD | ND | ----- | 0.00250 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 54 |
| 1,2,3,6,7,8-HxCDD | ND | ----- | 0.00250 | | | |
| 1,2,3,7,8,9-HxCDD | ND | ----- | 0.00250 | | | |
| Total HxCDD | ND | ----- | 0.00250 | | | |
| 1,2,3,4,6,7,8-HpCDF | ND | ----- | 0.00250 | Total 2,3,7,8-TCDD | | |
| 1,2,3,4,7,8,9-HpCDF | ND | ----- | 0.00250 | Equivalence: 0.00 ug/Kg | | |
| Total HpCDF | ND | ----- | 0.00250 | (Using 2005 WHO Factors) | | |
| 1,2,3,4,6,7,8-HpCDD | ND | ----- | 0.00250 | | | |
| Total HpCDD | ND | ----- | 0.00250 | | | |
| OCDF | ND | ----- | 0.00500 | | | |
| OCDD | ND | ----- | 0.00500 | | | |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

Results reported on a dry weight basis and are valid to no more than 2 significant figures.
Y = Calculated using average of daily RFs

## REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

# Method 8290 Laboratory Control Spike Results

| | | | |
|---|---|---|---|
| Lab Sample ID | LCS-31483 | | |
| Filename | U120207A_02 | Matrix | Solid |
| Total Amount Extracted | 20.7 g | Dilution | NA |
| ICAL ID | U111118 | Extracted | 02/01/2012 16:45 |
| CCal Filename(s) | U120207A_01 & U120207A_16 | Analyzed | 02/07/2012 08:26 |
| Method Blank ID | BLANK-31482 | Injected By | SMT |

| Native Isomers | Qs (ng) | Qm (ng) | % Rec. | Internal Standards | ng's Added | Percent Recovery |
|---|---|---|---|---|---|---|
| 2,3,7,8-TCDF | 0.20 | 0.23 | 114 | 2,3,7,8-TCDF-13C | 2.0 | 58 |
| Total TCDF | | | | 2,3,7,8-TCDD-13C | 2.0 | 67 |
| | | | | 1,2,3,7,8-PeCDF-13C | 2.0 | 80 |
| 2,3,7,8-TCDD | 0.20 | 0.18 | 90 | 2,3,4,7,8-PeCDF-13C | 2.0 | 81 |
| Total TCDD | | | | 1,2,3,7,8-PeCDD-13C | 2.0 | 88 |
| | | | | 1,2,3,4,7,8-HxCDF-13C | 2.0 | 80 |
| 1,2,3,7,8-PeCDF | 1.0 | 1.1 | 106 | 1,2,3,6,7,8-HxCDF-13C | 2.0 | 86 |
| 2,3,4,7,8-PeCDF | 1.0 | 1.0 | 103 | 2,3,4,6,7,8-HxCDF-13C | 2.0 | 80 |
| Total PeCDF | | | | 1,2,3,7,8,9-HxCDF-13C | 2.0 | 83 |
| | | | | 1,2,3,4,7,8-HxCDD-13C | 2.0 | 78 |
| 1,2,3,7,8-PeCDD | 1.0 | 0.94 | 94 | 1,2,3,6,7,8-HxCDD-13C | 2.0 | 76 |
| Total PeCDD | | | | 1,2,3,4,6,7,8-HpCDF-13C | 2.0 | 85 Y |
| | | | | 1,2,3,4,7,8,9-HpCDF-13C | 2.0 | 90 Y |
| 1,2,3,4,7,8-HxCDF | 1.0 | 1.1 | 108 | 1,2,3,4,6,7,8-HpCDD-13C | 2.0 | 97 Y |
| 1,2,3,6,7,8-HxCDF | 1.0 | 1.0 | 100 | OCDD-13C | 4.0 | 93 Y |
| 2,3,4,6,7,8-HxCDF | 1.0 | 1.0 | 104 | | | |
| 1,2,3,7,8,9-HxCDF | 1.0 | 1.1 | 105 | 1,2,3,4-TCDD-13C | 2.0 | NA |
| Total HxCDF | | | | 1,2,3,7,8,9-HxCDD-13C | 2.0 | NA |
| 1,2,3,4,7,8-HxCDD | 1.0 | 1.0 | 105 | 2,3,7,8-TCDD-37Cl4 | 0.20 | 60 |
| 1,2,3,6,7,8-HxCDD | 1.0 | 1.1 | 112 | | | |
| 1,2,3,7,8,9-HxCDD | 1.0 | 1.1 | 110 | | | |
| Total HxCDD | | | | | | |
| 1,2,3,4,6,7,8-HpCDF | 1.0 | 1.0 | 104 | | | |
| 1,2,3,4,7,8,9-HpCDF | 1.0 | 0.93 | 93 | | | |
| Total HpCDF | | | | | | |
| 1,2,3,4,6,7,8-HpCDD | 1.0 | 0.93 | 93 | | | |
| Total HpCDD | | | | | | |
| OCDF | 2.0 | 2.0 | 100 Y | | | |
| OCDD | 2.0 | 1.9 | 97 | | | |

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
R = Recovery outside of target range

Y = RF averaging used in calculations
Nn = Value obtained from additional analysis
NA = Not Applicable
* = See Discussion

## REPORT OF LABORATORY ANALYSIS

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# CHAIN OF CUSTODY FORM

**ACCREDITED ANALYTICAL RESOURCES, LLC**
20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

STATE AGENCY (NJ) NY PA CT DE OTHER _____

| | |
|---|---|
| CLIENT | Chemtron Corporation |
| ADDRESS | 35850 Schneider Court |
| CITY | Avon |
| STATE | OH |
| ZIP | 44011 |

| | |
|---|---|
| PROJECT | Standard Chlorine and Chemical |
| CONTACT | Mike Perry |
| PHONE | 440-336-0262 |
| FAX | 440-933-9510 |
| E-MAIL | MPerry@Chemtron-corp.com |

| LABORATORY SAMPLE # | CLIENT FIELD ID | # OF CONTAINERS | MATRIX | PRESERVATIVE | DATE / TIME SAMPLED | SAMPLE DESCRIPTION GRAB | COMPOSITE | DEPTH | ANALYSIS |
|---|---|---|---|---|---|---|---|---|---|
| 1201794 | Bldg 18 Tank W | 1 | S | N/A | 3/7/12 10:00 am | | ✓ | | PCB, VOA (8260) Chlorobenzene + Napth |
| 1201795 | Frac Column Solids | 1 | S | N/A | 3/7/12 10:00 am | | ✓ | | PCB, VOA (8260) Chlorobenzene + Naptha |
| 1201796 | Decon Liquids | 3 | L | | 3/7/12 10:00 am | | ✓ | | VOA (624), BNA (625) SVOC |
| | | | | | | | | | Priority Pollutant Metals include H |
| | | | | | | | | | TOC, PCB* |
| | | | | | | | | | Solids, Total TSS |
| | | | | | | | | | pH EPA 150.1 |

Non-K085 Rinse Water

** M = MATRIX CODE: S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME: ASAP (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☑ NO ☐ TEMPERATURE:

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER : NYASP Cat. A NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=$HNO_3$ 3=$H_2SO_4$ 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER

| RELINQUISHED BY: PRINT | SIGN | RECEIVED BY: PRINT | SIGN | ORGANIZATION | DATE | TIME | REASON |
|---|---|---|---|---|---|---|---|
| Michael Perry | [signature] | John Inacio | [signature] | AAR | 3/7/12 | 16:00 | P/U |
| John Inacio | [signature] | Jason [signature] | [signature] | AAR | 3/7/12 | 17:00 | [illegible] |

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: _____ SIGN: _____

| | |
|---|---|
| COMMENTS | *Per WK 3.8.12, [illegible] |

| | |
|---|---|
| AAR QUOTE # | |
| AAR CASE # | 1612 |
| P.O. # | |

See Reverse for Instructions

ACCREDITED ANALYTICAL RESOURCES, LLC
PESTICIDE/PCB ANALYSIS DATA SHEET

**Client Name:** CC
**Case No.:** 1612
**Project:** Standard Chlorine And Chemical

**CLIENT SAMPLE NO**
DECON

**Matrix: (soil/water)** WATER
**Sample wt/vol:** 100 **Unit:** ML
**Level: (low/med)** LOW
**% Moisture:** 100
**Extraction: (Type)** SEPF
**Concentrated Extract Volume:** 1000 (µL)

**GPC Cleanup: (Y/N)** N

**Lab Sample ID:** 1201796
**Lab File ID:** G0849.D
**Date Collected:** 03/07/2012
**Date Extracted** 03/09/2012
**Date Analyzed:** 03/09/2012
**Dilution Factor:** 1
**Sulfur Cleanup: (Y/N)** N

| CAS NO. | COMPOUND | CONC UG/L | Q | MDL | PQL |
|---|---|---|---|---|---|
| 12674-11-2 | Aroclor-1016 | ND | U | 0.5 | 1 |
| 11104-28-2 | Aroclor-1221 | ND | U | 0.5 | 1 |
| 11141-16-5 | Aroclor-1232 | ND | U | 0.5 | 1 |
| 53469-21-9 | Aroclor-1242 | ND | U | 0.5 | 1 |
| 12672-29-6 | Aroclor-1248 | ND | U | 0.5 | 1 |
| 11097-69-1 | Aroclor-1254 | ND | U | 0.5 | 1 |
| 11096-82-5 | Aroclor-1260 | ND | U | 0.5 | 1 |
| 37324-23-5 | Aroclor-1262 | ND | U | 0.5 | 1 |
| 11100-14-4 | Aroclor-1268 | ND | U | 0.5 | 1 |

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Accredited Analytical Resources, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: CC
Case No.: 1612
Project: Standard Chlorine And Chemical

CLIENT SAMPLE NO
DECON

Matrix: (soil/water) WATER
Sample wt/vol: 10 Unit: ML
Level: (low/med) LOW
% Moisture: 100
GC Column: Rtx-624 ID: 0.18 (mm)
Soil Extract Volume: _____ (µL)

Lab Sample ID: 1201796
Lab File ID: M5992.D
Date Collected: 03/07/2012
Date Analyzed: 03/12/2012
Dilution Factor: 50
Soil Aliquot Vol(µL): _____

| CAS NO. | COMPOUND | CONC UG/L | Q | MDL | PQL |
|---|---|---|---|---|---|
| 107-02-8 | Acrolein | ND | U | 130 | 500 |
| 107-13-1 | Acrylonitrile | ND | U | 100 | 500 |
| 74-87-3 | Chloromethane | ND | U | 50 | 50 |
| 74-83-9 | Bromomethane | ND | U | 50 | 50 |
| 75-01-4 | Vinyl Chloride | ND | U | 50 | 50 |
| 75-00-3 | Chloroethane | ND | U | 50 | 50 |
| 75-09-2 | Methylene Chloride | ND | U | 50 | 50 |
| 67-64-1 | Acetone | 320 | | 50 | 50 |
| 75-15-0 | Carbon Disulfide | ND | U | 20 | 50 |
| 75-69-4 | Trichlorofluoromethane | ND | U | 20 | 50 |
| 75-35-4 | 1,1-Dichloroethene | ND | U | 20 | 50 |
| 75-34-3 | 1,1-Dichloroethane | ND | U | 20 | 50 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | U | 20 | 50 |
| 156-60-6 | trans-1,2-Dichloroethene | ND | U | 20 | 50 |
| 67-66-3 | Chloroform | ND | U | 20 | 50 |
| 107-06-2 | 1,2-Dichloroethane | ND | U | 20 | 50 |
| 78-93-3 | 2-Butanone | ND | U | 25 | 50 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | U | 20 | 50 |
| 56-23-5 | Carbon Tetrachloride | ND | U | 20 | 50 |
| 108-05-4 | Vinyl Acetate | ND | U | 20 | 50 |
| 75-27-4 | Bromodichloromethane | ND | U | 20 | 50 |
| 78-87-5 | 1,2-Dichloropropane | ND | U | 20 | 50 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | U | 20 | 50 |
| 79-01-6 | Trichloroethene | ND | U | 20 | 50 |
| 71-43-2 | Benzene | ND | U | 20 | 50 |
| 124-48-1 | Dibromochloromethane | ND | U | 20 | 50 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | U | 20 | 50 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | U | 20 | 50 |
| 110-75-8 | 2-Chloroethylvinylether | ND | U | 50 | 50 |
| 75-25-2 | Bromoform | ND | U | 20 | 50 |
| 108-10-1 | 4-Methyl-2-Pentanone | ND | U | 25 | 50 |
| 591-78-6 | 2-Hexanone | ND | U | 25 | 50 |
| 127-18-4 | Tetrachloroethene | ND | U | 20 | 50 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | U | 20 | 50 |
| 108-88-3 | Toluene | ND | U | 20 | 50 |
| 108-90-7 | Chlorobenzene | ND | U | 20 | 50 |
| 100-41-4 | Ethylbenzene | ND | U | 20 | 50 |
| 100-42-5 | Styrene | ND | U | 20 | 50 |
| 1330-20-7 | m,p-Xylene | ND | U | 50 | 50 |
| 95-47-6 | o-Xylene | ND | U | 50 | 50 |

J - Indicates estimated value when detected below PQL.

Accredited Analytical Resources, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

| | | | |
|---|---|---|---|
| Client Name: | CC | | CLIENT SAMPLE NO |
| Case No.: | 1612 | | DECON |
| Project: | Standard Chlorine And Chemical | | |

| | | | |
|---|---|---|---|
| Matrix: (soil/water) | WATER | Lab Sample ID: | 1201796 |
| Sample wt/vol: | 10 Unit: ML | Lab File ID: | M5992.D |
| Level: (low/med) | LOW | Date Collected: | 03/07/2012 |
| % Moisture: | 100 | Date Analyzed: | 03/12/2012 |
| GC Column: | Rtx-624 ID: 0.18 (mm) | Dilution Factor: | 50 |
| Soil Extract Volume: | (µL) | Soil Aliquot Vol(µL): | |

| CAS NO. | COMPOUND | CONC UG/L | Q | MDL | PQL |
|---|---|---|---|---|---|

U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

# CHAIN OF CUSTODY FORM

**ACCREDITED ANALYTICAL RESOURCES, LLC**
20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

STATE AGENCY (NJ) NY PA CT DE OTHER _____

| | |
|---|---|
| CLIENT | Chemtron Corporation |
| ADDRESS | 35850 Schneider Court |
| CITY | Avon |
| STATE | OH |
| ZIP | 44011 |

| | |
|---|---|
| PROJECT | Standard Chlorine and Chemical |
| CONTACT | Mike Perry |
| PHONE | 440-336-0262 |
| FAX | 440-933-9510 |
| E-MAIL | MPerry@Chemtron-corp.com |

| LABORATORY SAMPLE # | CLIENT FIELD ID | # OF CONTAINERS | MATRIX | PRESERVATIVE | DATE / TIME SAMPLED | SAMPLE DESCRIPTION GRAB | COMPOSITE | DEPTH | ANALYSIS |
|---|---|---|---|---|---|---|---|---|---|
| 1201794 | Bldg 18 Tank W | 1 | S | N/A | 3/7/12 10:00 am | | ✓ | | PCB, VOA (8260) Chlorobenzene |
| 1201795 | Frac Column Solids | 1 | S | N/A | 3/7/12 10:00 am | | ✓ | | PCB, VOA (8260) Chlorobenzene + Naphthalene |
| 1201796 | Decon Liquids | 3 | L | | 3/7/12 10:00 am | | ✓ | | VOA (624), BNA (625) SVOC; Priority Pollutant Metals including Hg; TOC, PCB*; Solids, Total TSS; pH EPA 150.1 |

** M = MATRIX CODE: S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER; GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME: ASAP (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☑ NO ☐ TEMPERATURE:

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER : NYASP Cat. A NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=$HNO_3$ 3=$H_2SO_4$ 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER

| RELINQUISHED BY: PRINT | RELINQUISHED BY: SIGN | RECEIVED BY: PRINT | RECEIVED BY: SIGN | ORGANIZATION | DATE | TIME | REASON |
|---|---|---|---|---|---|---|---|
| Michael Perry | [signature] | John Inverso | [signature] | AAR | 3/7/12 | 16:00 | P/U |
| John Inverso | [signature] | Jason [illegible] | [signature] | AAR | 3/8/12 | 17:00 | [illegible] |

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: _____ SIGN: _____

COMMENTS: *Per WN 3.8.12, [illegible]

| | |
|---|---|
| AAR QUOTE # | |
| AAR CASE # | 1612 |
| P.O. # | |

See Reverse for Instructions

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: CC
Case No.: 1612
Project: Standard Chlorine And Chemical

CLIENT SAMPLE NO
DECON

Matrix: (soil/water) WATER
Sample wt/vol: 100 Unit: ML
Level: (low/med) LOW
% Moisture: 100
Concentrated Extract Volume: 1000 (µL)

GPC Cleanup: (Y/N) N

Lab Sample ID: 1201796
Lab File ID: F2986.D
Date Collected: 03/07/2012
Date Extracted 03/09/2012
Date Analyzed: 03/12/2012
Dilution Factor: 1
Extraction: (Type) SEPF

| CAS NO. | COMPOUND | CONC UG/L | Q | MDL | PQL |
|---|---|---|---|---|---|
| 062-75-9 | N-Nitrosodimethylamine | ND | U | 10 | 50 |
| 108-95-2 | Phenol | 2130 | E | 10 | 50 |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | U | 10 | 50 |
| 95-57-8 | 2-Chlorophenol | 2450 | | 10 | 50 |
| 541-73-1 | 1,3-Dichlorobenzene | 79.2 | | 10 | 50 |
| 106-46-7 | 1,4-Dichlorobenzene | 107 | | 10 | 50 |
| 100-51-6 | Benzyl alcohol | ND | U | 10 | 50 |
| 95-50-1 | 1,2-Dichlorobenzene | 739 | | 10 | 50 |
| 95-48-7 | 2-Methylphenol | 54.3 | | 10 | 50 |
| 108-60-1 | bis(2-chloroisopropyl)ether | ND | U | 10 | 50 |
| 106-44-5 | 3&4-Methylphenol | 65.6 | | 10 | 50 |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | U | 10 | 50 |
| 67-72-1 | Hexachloroethane | ND | U | 10 | 50 |
| 98-95-3 | Nitrobenzene | ND | U | 10 | 50 |
| 78-59-1 | Isophorone | ND | U | 10 | 50 |
| 88-75-5 | 2-Nitrophenol | ND | U | 10 | 50 |
| 105-67-9 | 2,4-Dimethylphenol | ND | U | 10 | 50 |
| 000065-85-0 | Benzoic Acid | 572000 | E | 40 | 50 |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | U | 10 | 50 |
| 120-83-2 | 2,4-Dichlorophenol | 27200 | E | 10 | 50 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 22300 | E | 10 | 50 |
| 91-20-3 | Naphthalene | ND | U | 10 | 50 |
| 106-47-8 | 4-Chloroaniline | ND | U | 10 | 50 |
| 87-68-3 | Hexachlorobutadiene | ND | U | 10 | 50 |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | U | 10 | 50 |
| 91-57-6 | 2-Methylnaphthalene | ND | U | 10 | 50 |
| 77-47-4 | Hexachlorocyclopentadiene | ND | U | 10 | 50 |
| 88-06-2 | 2,4,6-Trichlorophenol | 32700 | E | 10 | 50 |
| 95-95-4 | 2,4,5-Trichlorophenol | 23900 | E | 10 | 50 |
| 91-58-7 | 2-Chloronaphthalene | ND | U | 10 | 50 |
| 88-74-4 | 2-Nitroaniline | ND | U | 10 | 50 |
| 131-11-3 | Dimethylphthalate | ND | U | 10 | 50 |
| 208-96-8 | Acenaphthylene | ND | U | 10 | 50 |
| 99-09-2 | 3-Nitroaniline | ND | U | 10 | 50 |
| 83-32-9 | Acenaphthene | ND | U | 10 | 50 |
| 51-28-5 | 2,4-Dinitrophenol | ND | U | 10 | 50 |
| 100-02-7 | 4-Nitrophenol | ND | U | 10 | 50 |
| 132-64-9 | Dibenzofuran | ND | U | 10 | 50 |
| 606-20-2 | 2,6-Dinitrotoluene | ND | U | 10 | 50 |
| 121-14-2 | 2,4-Dinitrotoluene | ND | U | 10 | 50 |
| 84-66-2 | Diethylphthalate | ND | U | 10 | 50 |

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

**Client Name:** CC
**Case No.:** 1612
**Project:** Standard Chlorine And Chemical

**CLIENT SAMPLE NO**
DECON

**Matrix: (soil/water)** WATER
**Sample wt/vol:** 100 **Unit:** ML
**Level: (low/med)** LOW
**% Moisture:** 100
**Concentrated Extract Volume:** 1000 (µL)

**GPC Cleanup: (Y/N)** N

**Lab Sample ID:** 1201796
**Lab File ID:** F2986.D
**Date Collected:** 03/07/2012
**Date Extracted** 03/09/2012
**Date Analyzed:** 03/12/2012
**Dilution Factor:** 1
**Extraction: (Type)** SEPF

| CAS NO. | COMPOUND | CONC UG/L | Q | MDL | PQL |
|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenyl-phenylether | ND | U | 10 | 50 |
| 86-73-7 | Fluorene | ND | U | 10 | 50 |
| 100-01-6 | 4-Nitroaniline | ND | U | 10 | 50 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | U | 10 | 50 |
| 86-30-6 | n-Nitrosodiphenylamine | ND | U | 10 | 50 |
| 101-55-3 | 4-Bromophenyl-phenylether | ND | U | 10 | 50 |
| 118-74-1 | Hexachlorobenzene | 60 | | 10 | 50 |
| 87-86-5 | Pentachlorophenol | 2080 | | 10 | 50 |
| 85-01-8 | Phenanthrene | ND | U | 2 | 50 |
| 120-12-7 | Anthracene | ND | U | 10 | 50 |
| 84-74-2 | Di-n-butylphthalate | ND | U | 10 | 50 |
| 206-44-0 | Fluoranthene | ND | U | 10 | 50 |
| 129-00-0 | Pyrene | ND | U | 10 | 50 |
| 85-68-7 | Butylbenzylphthalate | ND | U | 10 | 50 |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | U | 10 | 50 |
| 56-55-3 | Benzo[a]anthracene | ND | U | 2 | 50 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | U | 10 | 50 |
| 218-01-9 | Chrysene | ND | U | 2 | 50 |
| 117-84-0 | Di-n-octylphthalate | ND | U | 10 | 50 |
| 205-99-2 | Benzo[b]fluoranthene | ND | U | 4 | 50 |
| 207-08-9 | Benzo[k]fluoranthene | ND | U | 10 | 50 |
| 50-32-8 | Benzo[a]pyrene | ND | U | 2 | 50 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | U | 10 | 50 |
| 53-70-3 | Dibenz[a,h]anthracene | ND | U | 4 | 50 |
| 191-24-2 | Benzo[g,h,i]perylene | ND | U | 2 | 50 |

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

**Client Name:** CC
**Case No.:** 1612
**Project:** Standard Chlorine And Chemical

**CLIENT SAMPLE NO**
DECONDL

**Matrix: (soil/water)** WATER
**Sample wt/vol:** 100 **Unit:** ML
**Level: (low/med)** LOW
**% Moisture:** 100
**Concentrated Extract Volume:** 1000 (µL)

**GPC Cleanup: (Y/N)** N

**Lab Sample ID:** 1201796DL
**Lab File ID:** F2989.D
**Date Collected:** 03/07/2012
**Date Extracted** 03/09/2012
**Date Analyzed:** 03/12/2012
**Dilution Factor:** 250
**Extraction: (Type)** SEPF

| CAS NO. | COMPOUND | CONC UG/L | Q | MDL | PQL |
|---|---|---|---|---|---|
| 062-75-9 | N-Nitrosodimethylamine | ND | U | 2500 | 12500 |
| 108-95-2 | Phenol | 3870 | JD | 2500 | 12500 |
| 111-44-4 | bis(2-Chloroethyl)ether | ND | U | 2500 | 12500 |
| 95-57-8 | 2-Chlorophenol | ND | U | 2500 | 12500 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | U | 2500 | 12500 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | U | 2500 | 12500 |
| 100-51-6 | Benzyl alcohol | ND | U | 2500 | 12500 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | U | 2500 | 12500 |
| 95-48-7 | 2-Methylphenol | ND | U | 2500 | 12500 |
| 108-60-1 | bis(2-chloroisopropyl)ether | ND | U | 2500 | 12500 |
| 106-44-5 | 3&4-Methylphenol | ND | U | 2500 | 12500 |
| 621-64-7 | N-Nitroso-di-n-propylamine | ND | U | 2500 | 12500 |
| 67-72-1 | Hexachloroethane | ND | U | 2500 | 12500 |
| 98-95-3 | Nitrobenzene | ND | U | 2500 | 12500 |
| 78-59-1 | Isophorone | ND | U | 2500 | 12500 |
| 88-75-5 | 2-Nitrophenol | ND | U | 2500 | 12500 |
| 105-67-9 | 2,4-Dimethylphenol | ND | U | 2500 | 12500 |
| 000065-85-0 | Benzoic Acid | 255000 | D | 10000 | 12500 |
| 111-91-1 | bis(2-Chloroethoxy)methane | ND | U | 2500 | 12500 |
| 120-83-2 | 2,4-Dichlorophenol | 28400 | D | 2500 | 12500 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 24600 | D | 2500 | 12500 |
| 91-20-3 | Naphthalene | ND | U | 2500 | 12500 |
| 106-47-8 | 4-Chloroaniline | ND | U | 2500 | 12500 |
| 87-68-3 | Hexachlorobutadiene | ND | U | 2500 | 12500 |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | U | 2500 | 12500 |
| 91-57-6 | 2-Methylnaphthalene | ND | U | 2500 | 12500 |
| 77-47-4 | Hexachlorocyclopentadiene | ND | U | 2500 | 12500 |
| 88-06-2 | 2,4,6-Trichlorophenol | 17300 | D | 2500 | 12500 |
| 95-95-4 | 2,4,5-Trichlorophenol | 11200 | JD | 2500 | 12500 |
| 91-58-7 | 2-Chloronaphthalene | ND | U | 2500 | 12500 |
| 88-74-4 | 2-Nitroaniline | ND | U | 2500 | 12500 |
| 131-11-3 | Dimethylphthalate | ND | U | 2500 | 12500 |
| 208-96-8 | Acenaphthylene | ND | U | 2500 | 12500 |
| 99-09-2 | 3-Nitroaniline | ND | U | 2500 | 12500 |
| 83-32-9 | Acenaphthene | ND | U | 2500 | 12500 |
| 51-28-5 | 2,4-Dinitrophenol | ND | U | 2500 | 12500 |
| 100-02-7 | 4-Nitrophenol | ND | U | 2500 | 12500 |
| 132-64-9 | Dibenzofuran | ND | U | 2500 | 12500 |
| 606-20-2 | 2,6-Dinitrotoluene | ND | U | 2500 | 12500 |
| 121-14-2 | 2,4-Dinitrotoluene | ND | U | 2500 | 12500 |
| 84-66-2 | Diethylphthalate | ND | U | 2500 | 12500 |

ACCREDITED ANALYTICAL RESOURCES, LLC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

**Client Name:** CC
**Case No.:** 1612
**Project:** Standard Chlorine And Chemical

**CLIENT SAMPLE NO**
DECONDL

**Matrix: (soil/water)** WATER
**Sample wt/vol:** 100 **Unit:** ML
**Level: (low/med)** LOW
**% Moisture:** 100
**Concentrated Extract Volume:** 1000 (µL)

**GPC Cleanup: (Y/N)** N

**Lab Sample ID:** 1201796DL
**Lab File ID:** F2989.D
**Date Collected:** 03/07/2012
**Date Extracted** 03/09/2012
**Date Analyzed:** 03/12/2012
**Dilution Factor:** 250
**Extraction: (Type)** SEPF

| CAS NO. | COMPOUND | CONC UG/L | Q | MDL | PQL |
|---|---|---|---|---|---|
| 7005-72-3 | 4-Chlorophenyl-phenylether | ND | U | 2500 | 12500 |
| 86-73-7 | Fluorene | ND | U | 2500 | 12500 |
| 100-01-6 | 4-Nitroaniline | ND | U | 2500 | 12500 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | U | 2500 | 12500 |
| 86-30-6 | n-Nitrosodiphenylamine | ND | U | 2500 | 12500 |
| 101-55-3 | 4-Bromophenyl-phenylether | ND | U | 2500 | 12500 |
| 118-74-1 | Hexachlorobenzene | ND | U | 2500 | 12500 |
| 87-86-5 | Pentachlorophenol | ND | U | 2500 | 12500 |
| 85-01-8 | Phenanthrene | ND | U | 500 | 12500 |
| 120-12-7 | Anthracene | ND | U | 2500 | 12500 |
| 84-74-2 | Di-n-butylphthalate | ND | U | 2500 | 12500 |
| 206-44-0 | Fluoranthene | ND | U | 2500 | 12500 |
| 129-00-0 | Pyrene | ND | U | 2500 | 12500 |
| 85-68-7 | Butylbenzylphthalate | ND | U | 2500 | 12500 |
| 91-94-1 | 3,3'-Dichlorobenzidine | ND | U | 2500 | 12500 |
| 56-55-3 | Benzo[a]anthracene | ND | U | 500 | 12500 |
| 117-81-7 | bis(2-Ethylhexyl)phthalate | ND | U | 2500 | 12500 |
| 218-01-9 | Chrysene | ND | U | 500 | 12500 |
| 117-84-0 | Di-n-octylphthalate | ND | U | 2500 | 12500 |
| 205-99-2 | Benzo[b]fluoranthene | ND | U | 1000 | 12500 |
| 207-08-9 | Benzo[k]fluoranthene | ND | U | 2500 | 12500 |
| 50-32-8 | Benzo[a]pyrene | ND | U | 500 | 12500 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ND | U | 2500 | 12500 |
| 53-70-3 | Dibenz[a,h]anthracene | ND | U | 1000 | 12500 |
| 191-24-2 | Benzo[g,h,i]perylene | ND | U | 500 | 12500 |

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

Accredited Analytical Resources, LLC
General Chemistry Analysis Data

| | | | |
|---|---|---|---|
| Case #: | 1612 | Matrix: | Aqueous |
| Sample #: | 1201796 | Date Received: | 03/07/12 |
| Client Name: | CC | | |
| Field Number: | DECON | | |

| ANALYTES | RESULTS | MDL | UNITS | DILUTION FACTOR | METHOD BLANK RESULTS | METHOD BLANK MDL | ANALYSIS DATE |
|---|---|---|---|---|---|---|---|
| pH | 12.42 | | S.U. | 1. | | | 03/08/12 |
| Carbon, Total Organic | 2200. | 100. | mg/L | 50. | ND | 2. | 03/12/12 |
| Solids, Total | 44700. | 100. | mg/L | 50. | ND | 2. | 03/13/12 |
| Solids, Total Suspended | 3570. | 20. | mg/L | 10. | ND | 2. | 03/13/12 |

# CHAIN OF CUSTODY FORM

**ACCREDITED ANALYTICAL RESOURCES, LLC**
20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

STATE AGENCY (NJ) NY PA CT DE OTHER _____

| | |
|---|---|
| CLIENT | Chemtron Corporation |
| ADDRESS | 35850 Schneider Court |
| CITY | Avon |
| STATE | OH |
| ZIP | 44011 |

| | |
|---|---|
| PROJECT | Standard Chlorine and Chemical |
| CONTACT | Mike Perry |
| PHONE | 440-336-0262 |
| FAX | 440-933-9510 |
| E-MAIL | MPerry@Chemtron-corp.com |

| LABORATORY SAMPLE # | CLIENT FIELD ID | # OF CONTAINERS | MATRIX | PRESERVATIVE | DATE / TIME SAMPLED | SAMPLE DESCRIPTION GRAB | COMPOSITE | DEPTH | ANALYSIS |
|---|---|---|---|---|---|---|---|---|---|
| 1201794 | Bldg 18 Tank W | 1 | S | N/A | 3/7/12 10:00 am | | ✓ | | PCB, VOA (8260) Chlorobenzene + Napth |
| 1201795 | Frac Column Solids | 1 | S | N/A | 3/7/12 10:00 am | | ✓ | | PCB, VOA (8260) Chlorobenzene + Naphthalene |
| 1201796 | Decon Liquids | 3 | L | | 3/7/12 10:00 am | | ✓ | | VOA (624), BNA (625) SVOC |
| | | | | | | | | | Priority Pollutant Metals includ H |
| | | | | | | | | | TOC, PCB* |
| | | | | | | | | | Solids, Total TSS |
| | | | | | | | | | pH EPA 150.1 |

** M = MATRIX CODE: S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER
GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME: ASAP (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☑ NO ☐ TEMPERATURE:

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER : NYASP Cat. A NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=$HNO_3$ 3=$H_2SO_4$ 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER

| RELINQUISHED BY: PRINT | SIGN | RECEIVED BY: PRINT | SIGN | ORGANIZATION | DATE | TIME | REASON |
|---|---|---|---|---|---|---|---|
| Michael Perry | [signature] | John Inacio | [signature] | AAR | 3/7/12 | 16:00 | P/U |
| John Inacio | [signature] | Jason [signature] | [signature] | AAR | 3/7/12 | 17:00 | [signature] |

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: _____ SIGN: _____

COMMENTS: *Per WU 3.8.12, [signature]

| | |
|---|---|
| AAR QUOTE # | |
| AAR CASE # | 1612 |
| P.O. # | |

See Reverse for Instructions

ACCREDITED ANALYTICAL RESOURCES, LLC

INORGANIC ANALYSIS DATA SHEET

| | | | |
|---|---|---|---|
| Case #: | 1612 | Matrix: | Aqueous |
| Sample #: | 1201796 | Date Received: | 03/07/12 |
| Field ID: | DECON | | |
| Client Name: | CC | | |

| CAS No. | Element | Result UG/L | MDL UG/L | Dilution Factor | Method | Date Analyzed |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 208 | 5.00 | 1 | P | 03/13/12 |
| 7440-38-2 | Arsenic | 88.0 | 4.00 | 1 | P | 03/13/12 |
| 7440-41-7 | Beryllium | 7.15 | 2.50 | 1 | P | 03/13/12 |
| 7440-43-9 | Cadmium | ND | 2.00 | 1 | P | 03/13/12 |
| 7440-47-3 | Chromium | 34.2 | 5.00 | 1 | P | 03/13/12 |
| 7440-50-8 | Copper | 202 | 5.00 | 1 | P | 03/13/12 |
| 7439-92-1 | Lead | 11.0 | 2.50 | 1 | P | 03/13/12 |
| 7439-97-6 | Mercury | 3.40 | .500 | 1 | CV | 03/08/12 |
| 7440-02-0 | Nickel | ND | 5.00 | 1 | P | 03/13/12 |
| 7782-49-2 | Selenium | 16.5 | 5.00 | 1 | P | 03/13/12 |
| 7440-22-4 | Silver | ND | 2.50 | 1 | P | 03/13/12 |
| 7440-28-0 | Thallium | ND | 5.00 | 1 | P | 03/13/12 |
| 7440-66-6 | Zinc | 116 | 50.0 | 1 | P | 03/13/12 |

ND - Element analyzed for but not detected.

P - Analyzed by ICP  CV - Analyzed by Cold Vapor

F - Analyzed by GFA  A - Analyzed by flame AA

# CHAIN OF CUSTODY FORM

**ACCREDITED ANALYTICAL RESOURCES, LLC**
20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

STATE AGENCY (NJ) NY PA CT DE OTHER _____

| | |
|---|---|
| CLIENT | Chemtron Corporation |
| ADDRESS | 35850 Schneider Court |
| CITY | Avon |
| STATE | OH |
| ZIP | 44011 |

| | |
|---|---|
| PROJECT | Standard Chlorine and Chemical |
| CONTACT | Mike Perry |
| PHONE | 440-336-0262 |
| FAX | 440-933-9510 |
| E-MAIL | MPerry@Chemtron-corp.com |

| LABORATORY SAMPLE # | CLIENT FIELD ID | # OF CONTAINERS | MATRIX | PRESERVATIVE | DATE / TIME SAMPLED | SAMPLE DESCRIPTION GRAB | COMPOSITE | DEPTH | ANALYSIS |
|---|---|---|---|---|---|---|---|---|---|
| 1201794 | Bldg 18 Tank W | 1 | S | N/A | 3/7/12 10:00 am | | ✓ | | PCB, VOA (8260) Chlorobenzene + Napth |
| 1201795 | Frac Column Solids | 1 | S | N/A | 3/7/12 10:00 am | | ✓ | | PCB, VOA (8260) Chlorobenzene + Naptha |
| 1201796 | Decon Liquids | 3 | L | | 3/7/12 10:00 am | | ✓ | | VOA (624), BNA (625) SVOC |
| | | | | | | | | | Priority Pollutant Metals includ H |
| | | | | | | | | | TOC, PCB* |
| | | | | | | | | | Solids, Total TSS |
| | | | | | | | | | pH EPA 150.1 |

** M = MATRIX CODE: S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME: ASAP (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☑ NO ☐ TEMPERATURE:

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER : NYASP Cat. A NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=$HNO_3$ 3=$H_2SO_4$ 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER

| RELINQUISHED BY: PRINT | SIGN | RECEIVED BY: PRINT | SIGN | ORGANIZATION | DATE | TIME | REASON |
|---|---|---|---|---|---|---|---|
| Michael Perry | [signature] | John Inaco | [signature] | AAR | 3/7/12 | 16:00 | P/U |
| John Inaco | [signature] | Jason [signature] | [signature] | AAR | 3/7/12 | 17:00 | [signature] |
| | | | | | | | |

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: _____ SIGN: _____

COMMENTS: *Per WK 3.8.12, [signature]

| | |
|---|---|
| AAR QUOTE # | |
| AAR CASE # | 1612 |
| P.O. # | |

ACCREDITED ANALYTICAL RESOURCES, LLC
VOLATILE ORGANICS ANALYSIS DATA SHEET

**Client Name:** CC
**Case No.:** 1612
**Project:** Standard Chlorine And Chemical

**CLIENT SAMPLE NO**
BLDG18 TANK

**Matrix: (soil/water)** SOIL
**Sample wt/vol:** 5 **Unit:** G
**Level: (low/med)** LOW
**% Moisture:** 30.6
**GC Column:** Rtx-624 **ID:** 0.18 **(mm)**
**Soil Extract Volume:** 1 **(µL)**

**Lab Sample ID:** 1201794
**Lab File ID:** A8499.D
**Date Collected:** 03/07/2012
**Date Analyzed:** 03/09/2012
**Dilution Factor:** 20000
**Soil Aliquot Vol(µL):** 1

| CAS NO. | COMPOUND | CONC UG/KG | Q | MDL | PQL |
|---|---|---|---|---|---|
| 108-90-7 | Chlorobenzene | 50000 | J | 29000 | 58000 |
| 91-20-3 | Naphthalene | 2900000 | | 29000 | 58000 |

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

**ACCREDITED ANALYTICAL RESOURCES, LLC**
**VOLATILE ORGANICS ANALYSIS DATA SHEET**

| | | | |
|---|---|---|---|
| **Client Name:** | CC | | **CLIENT SAMPLE NO** |
| **Case No.:** | 1612 | | FRAC COLUMN |
| **Project:** | Standard Chlorine And Chemical | | |

| | | | |
|---|---|---|---|
| **Matrix: (soil/water)** | SOIL | **Lab Sample ID:** | 1201795 |
| **Sample wt/vol:** | 5 **Unit:** G | **Lab File ID:** | A8472.D |
| **Level: (low/med)** | LOW | **Date Collected:** | 03/07/2012 |
| **% Moisture:** | 23.4 | **Date Analyzed:** | 03/08/2012 |
| **GC Column:** | Rtx-624 **ID:** 0.18 **(mm)** | **Dilution Factor:** | 1000 |
| **Soil Extract Volume:** | 1 **(µL)** | **Soil Aliquot Vol(µL):** | 1 |

| CAS NO. | COMPOUND | CONC UG/KG | Q | MDL | PQL |
|---|---|---|---|---|---|
| 108-90-7 | Chlorobenzene | ND | U | 1300 | 2600 |
| 91-20-3 | Naphthalene | ND | U | 1300 | 2600 |

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
PESTICIDE/PCB ANALYSIS DATA SHEET

**Client Name:** CC
**Case No.:** 1612
**Project:** Standard Chlorine and Chemical

**CLIENT SAMPLE NO**
BLDG 18 TANK

**Matrix: (soil/water)** SOIL
**Sample wt/vol:** 3 **Unit:** G
**Level: (low/med)** LOW
**% Moisture:** 30.6
**Extraction: (Type)**
**Concentrated Extract Volume:** 10000 (µL)

**Lab Sample ID:** 1201794
**Lab File ID:** G0829.D
**Date Collected:** 03/07/2012
**Date Extracted** 03/08/2012
**Date Analyzed:** 03/09/2012
**Dilution Factor:** 1
**Sulfur Cleanup: (Y/N)** N

**GPC Cleanup: (Y/N)** N

| CAS NO. | COMPOUND | CONC UG/KG | Q | MDL | PQL |
|---|---|---|---|---|---|
| 12674-11-2 | Aroclor-1016 | ND | U | 240 | 480 |
| 11104-28-2 | Aroclor-1221 | ND | U | 240 | 480 |
| 11141-16-5 | Aroclor-1232 | ND | U | 240 | 480 |
| 53469-21-9 | Aroclor-1242 | ND | U | 240 | 480 |
| 12672-29-6 | Aroclor-1248 | ND | U | 240 | 480 |
| 11097-69-1 | Aroclor-1254 | ND | U | 240 | 480 |
| 11096-82-5 | Aroclor-1260 | ND | U | 240 | 480 |
| 37324-23-5 | Aroclor-1262 | ND | U | 240 | 480 |
| 11100-14-4 | Aroclor-1268 | ND | U | 240 | 480 |

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

ACCREDITED ANALYTICAL RESOURCES, LLC
PESTICIDE/PCB ANALYSIS DATA SHEET

**Client Name:** CC
**Case No.:** 1612
**Project:** Standard Chlorine and Chemical

**CLIENT SAMPLE NO**
FRAC COLUMN

**Matrix: (soil/water)** SOIL
**Sample wt/vol:** 3 **Unit:** G
**Level: (low/med)** LOW
**% Moisture:** 23.4
**Extraction: (Type)**
**Concentrated Extract Volume:** 10000 (µL)

**Lab Sample ID:** 1201795
**Lab File ID:** G0830.D
**Date Collected:** 03/07/2012
**Date Extracted** 03/08/2012
**Date Analyzed:** 03/09/2012
**Dilution Factor:** 1
**Sulfur Cleanup: (Y/N)** N

**GPC Cleanup: (Y/N)** N

| CAS NO. | COMPOUND | CONC UG/KG | Q | MDL | PQL |
|---|---|---|---|---|---|
| 12674-11-2 | Aroclor-1016 | ND | U | 220 | 440 |
| 11104-28-2 | Aroclor-1221 | ND | U | 220 | 440 |
| 11141-16-5 | Aroclor-1232 | ND | U | 220 | 440 |
| 53469-21-9 | Aroclor-1242 | ND | U | 220 | 440 |
| 12672-29-6 | Aroclor-1248 | ND | U | 220 | 440 |
| 11097-69-1 | Aroclor-1254 | ND | U | 220 | 440 |
| 11096-82-5 | Aroclor-1260 | ND | U | 220 | 440 |
| 37324-23-5 | Aroclor-1262 | ND | U | 220 | 440 |
| 11100-14-4 | Aroclor-1268 | ND | U | 220 | 440 |

J - Indicates estimated value when detected below PQL.
U - Indicates compound analyzed for but not detected.
D - Indicates result is based on a dilution.
B - Indicates compound found in associated blank.
E - Concentration exceeds highest calibration standard.
P - Greater than 25% difference for detected concentrations between the two GC columns.
MDL - Minimum Detection Limit.
PQL - Practical Quantitation Level.

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 62$^{o}$F to 77$^{o}$F, partly cloudy, sun.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP) |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | Enrique Castro. |
| **Chemtron Corp.:** | N/a. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Tom Gieger. |
| | **Chemtron:** N/a. |
| **Visitors:** | PSE&G |

**WORK PERFORMED:**

- No demolition or abatement activities were conducted.

**Air Monitoring:**
- Track 2 baseline air monitoring was initiated in conjunction with the on-going perimeter air monitoring for the IRAW activities;
- KEY AMP scientist arrived on-site one (1) hour prior to WRS work began to assure operation status of PID and Dust monitoring;
- ET initiated the baseline perimeter monitoring for asbestos fibers as part of the Track 2 AMP. Five (5) fiber monitoring stations were setup adjacent to the VOC & Dust stations along the north-east, south-east, north-west, west and south-west stations;
- With approximately 6-hours of monitoring, ET collected five (5) samples (one per station) from the five (5) fiber monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- VOC & Dust air monitors were shut-down at the end of the day;

**Other:**
- A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 50°F to 66°F, sunny.

## CONTRACTORS AND PERSONAL ON-SITE:

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP) |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Mike Perry, Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br><br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 8 abatement personnel.<br>B & B Wrecking & Excavating – Brian Baumann, Pete Mehalic. |
| **Visitors:** | N/a. |

## WORK PERFORMED:

- Precision Environmental Co. (Precision), B&B Wrecking & Excavating (B&B) and Chemtron Corp arrived on-site and mobilized equipment and supplies;
- KEY conducted site orientation and provided updates on current on-site activities;
- Health and Safety meeting was conducted by Chemtron for all B&B and Precision personnel;
- Chemtron provided with OSHA training documentation for personnel that were not provided before;
- B&B initiated installation of working platform/tracking pad starting from the north of Building 18 using a dozer CAT D4K. Recycled concrete aggregate (RCA) imported from a NJ approved Class B facility was used to construct the working platform;

**Air Monitoring:**
- Environmental Tactics (ET) was on-site in anticipation of requiring 3rd party fiber monitoring. However, since Precision did not plan to conduct any abatement activities, ET were off-site later in the AM;
- KEY AMP scientist arrived on-site one (1) hour prior to B&B work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut-down at the end of the day after stop of B&B construction activities;

**Others/Issues:**
- B&B working to obtain demo permit. KEY requested for copy of abatement permit;
- B&B did not provide a secondary Demolition & Abatement notice to EPA. KEY requested that the notice be made immediately;

- Precision did not obtain permit for a trailer and in the process of submitting an application for the trailer. As such, the mobilization of the trailer was postponed. Precision indicated that the delay in mobilization of the trailer will not affect their work activities;
- Precision/Chemtron provided a letter indicating the RCA being imported is from a NJDEP approved Class B recycling facility. KEY requested for a clean fill certificate;
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 48$^{o}$F to 64$^{o}$F, partly sunny, overcast.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP) |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Mike Perry, Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br><br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 9 abatement personnel.<br>B & B Wrecking & Excavating – Brian Baumann, Pete Mehalic. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all B&B and Precision personnel;
- Chemtron provided with OSHA training documentation for personnel that were not provided before;
- B&B continued installation of working platform/tracking pad west of Building 15 & 17 using a dozer CAT D4K. Recycled concrete aggregate (RCA) imported from a NJ approved Class B facility was used to construct the working platform;
- B&B cut a portion of the chain link fence to enable access for equipment into the process area. KEY indicated that any damaged/removed fence sections will need to be restored at the completion of work;
- Precision initiated preparation of the Building 18 for abatement process. Edges of windows and other small openings on the walls of the buildings were closed using plastic sheeting and tape. Workers used a man lift to reach higher openings on the exterior of the building. Glove bags were installed;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement preparation activities and review of the documentation;

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3$^{rd}$ party fiber monitoring at the five perimeter stations and near the preparation area. ET collected samples (one per station) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to B&B work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut-down at the end of the day after stop of B&B construction activities;

**Others/Issues:**

- ET contacted the NJDOL regarding the requirement to maintain negative air pressure within containment area 24x7 after commencement of asbestos abatement. ET notified that NJDOL was ok with maintaining the negative pressure during active asbestos abatement and once work is stopped the containment be sealed and negative pressure need not be maintained overnight. The negative pressure should be established prior to start of work the next morning;
- *B&B working to obtain demo permit. KEY requested for copy of abatement permit* – In progress;
- *B&B did not provide a secondary Demolition & Abatement notice to EPA. KEY requested that the notice be made immediately* – In progress;
- *Precision did not obtain permit for a trailer and in the process of submitting an application for the trailer. As such, the mobilization of the trailer was postponed. Precision indicated that the delay in mobilization of the trailer will not affect their work activities* – In progress;
- *Precision/Chemtron provided a letter indicating the RCA being imported is from a NJDEP approved Class B recycling facility. KEY requested for a clean fill certificate* – In progress;
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 46°F to 59°F, overcast, rain all day.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak/Jaeson Pieretti (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | Nathan Scott. |
| **Chemtron Corp.:** | Mike Perry, Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br><br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 9 abatement personnel.<br>B & B Wrecking & Excavating – Brian Baumann, Pete Mehalic. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all B&B and Precision personnel;
- B&B provided with OSHA training documentation for personnel that were not provided before;
- B&B continued installation of working platform/tracking pad west of Building 15 & 17 using a dozer CAT D4K. Recycled concrete aggregate (RCA) imported from a NJ approved Class B facility was used to construct the working platform;
- Precision continued preparation of the Building 18 for abatement process. Edges of windows and other small openings on the walls of the buildings were closed using plastic sheeting and tape. Workers used a man lift to reach higher openings on the exterior of the building. Glove bags and HEPA filter boxes were installed. Started pre-cleaning northern half of Building 18 ground floor in preparation of abatement;
- Chemtron/B&B installed a decontamination pad near the north-west corner of Building 15;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement preparation activities and review of the documentation;

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3rd party fiber monitoring at the five perimeter stations and near the preparation area. ET collected samples (one per station) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- Samples collected on 10/26 from fiber monitoring and analyzed for PCM were reported with results ranging from 0.002 – 0.004 f/cc for 5 perimeter stations, and 0.003 – 0.005 f/cc for 3 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;

- Samples collected on 10/27 from fiber monitoring and analyzed for PCM were reported with results ranging from <0.001 – 0.004 f/cc for 5 perimeter stations, and 0.003 – 0.004 f/cc for 3 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;
- KEY AMP scientist arrived on-site one (1) hour prior to B&B/Precision work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut-down at the end of the day after stop of B&B construction activities;

**Others/Issues:**
- Weekly Track 2 conference call was conducted with PRG, KEY, Chemtron, B&B and Precision;
- B&B provided a copy of the secondary Demolition & Renovation notice to EPA;
- B&B/Chemtron provided a certification letter for the clean RCA being imported from a NJDEP approved Class B recycling facility. KEY to review;
- As part of IRAW activities, a liner was installed up to the southern slab of Buildings 18 & 21. Chemtron will need to access the south of the buildings for abatement/demo and as such will need to drive a manlift on the liner. Anticipate WRS to complete installation of the 12" fill cover system on top of the liner next week;
- WRS pumping rain water from the top of the liner into the Track 2 process area. KEY requested to stop pumping and instead find an appropriate pumping location. WRS stopped pumping;
- Chemtron indicated that the electrical pumps motors and control panels in Building 18 may need to sent to a scarp recycling yard for sorting prior to final smelting. KEY requested for alternate options and indicated that the alternate option needs approval by PRG;
- *B&B working to obtain demo permit. KEY requested for copy of abatement permit* – In progress;
- *Precision to obtain permit for a trailer and submitted an application for the trailer. As such, the mobilization of the trailer was postponed. Precision indicated that the delay in mobilization of the trailer will not affect their work activities* – In progress;
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 36°F to 52°F, clear & sunny.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak/Jaeson Pieretti (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Mike Perry, Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 8 abatement personnel.<br>B & B Wrecking & Excavating – N/a. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all B&B and Precision personnel;
- Precision continued preparation of the Building 18 for abatement process. Edges of windows and other small openings on the walls of the buildings were closed using plastic sheeting and tape. Workers used a man lift to reach higher openings on the exterior of the building. HEPA filter boxes were setup.
- Conducted pre-cleaning northern half of Building 18 ground floor in preparation of abatement;
- Precision installed a waste disposal compartment/cabin (using plywood & plastic) on the east of Building 18 to enable removal of waste from Building 18 when conducting abatement;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement preparation activities and review of the documentation;
- Precision conducted overpacking/removed six (6) drums located in the southern area of Building 18 in preparation of disposal. The drums were designated as dioxin investigation debris. The packed drums were staged on pallets south of Building 5 and covered with plastic sheeting. Chemtron labeled the drums;

**Air Monitoring:**

- Environmental Tactics (ET) conducted 3rd party fiber monitoring at the five perimeter stations and at three location around the work preparation area. ET collected samples (one per station) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut-down at the end of the day after stop of Chemtron's activities;

**Others/Issues:**

- *B&B/Chemtron provided a certification letter for the clean RCA being imported from a NJDEP approved Class B recycling facility.* KEY requested the cert letter to be provided from the recycling facility;
- *As part of IRAW activities, a liner was installed up to the southern slab of Buildings 18 & 21. Chemtron will need to access the south of the buildings for abatement/demo and as such will need to drive a manlift on the liner. Anticipate WRS to complete installation of the 12" fill cover system on top of the liner next week;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 may need to be sent to a scarp recycling yard for sorting prior to final smelting. KEY requested for alternate options and indicated that the alternate option needs approval by PRG;*
- *B&B working to obtain demo permit. KEY requested for copy of abatement permit* – In progress;
- *Precision to obtain permit for a trailer and submitted an application for the trailer. As such, the mobilization of the trailer was postponed.* Precision anticipates the trailer permit to be available on Monday and as such scheduled the trailer to be mobilized on Tuesday;
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 33$^{o}$F to 46$^{o}$F, ice rain/snow.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera. |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe. |
| | **Chemtron:** Precision Environmental Co – Jeff Schneider and 8 abatement personnel.<br>B & B Wrecking & Excavating – N/a. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Precision continued preparation of the Building 18 for abatement process. Edges of windows and other small openings on the walls of the buildings were closed using plastic sheeting and tape. HEPA filter boxes were checked;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement preparation activities and review of the documentation;
- Precision completed major preparation activities and leave site early afternoon;

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3$^{rd}$ party fiber monitoring at the five perimeter stations and at three location around the work preparation area. ET collected samples (one per station) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- VOC & Dust air monitoring was not conducted, as no demolition/abatement or intrusive activities were conducted;
- Samples collected on 10/28 from fiber monitoring and analyzed for PCM were reported with results ranging from 0.001 – 0.003 f/cc for 5 perimeter stations, and 0.003 – 0.005 f/cc for 3 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;

**Others/Issues:**
- *B&B/Chemtron provided a certification letter for the clean RCA being imported from a NJDEP approved Class B recycling facility.* KEY requested the cert letter to be provided from the recycling facility;

- *As part of IRAW activities, a liner was installed up to the southern slab of Buildings 18 & 21. Chemtron will need to access the south of the buildings for abatement/demo and as such will need to drive a manlift on the liner. Anticipate WRS to complete installation of the 12" fill cover system on top of the liner next week;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 may need to be sent to a scarp recycling yard for sorting prior to final smelting. KEY requested for alternate options and indicated that the alternate option needs approval by PRG;*
- *B&B working to obtain demo permit. KEY requested for copy of abatement permit* – In progress;
- *Precision to obtain permit for a trailer and submitted an application for the trailer. As such, the mobilization of the trailer was postponed.* Precision anticipates the trailer permit to be available on Monday and as such scheduled the trailer to be mobilized on Tuesday;
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 32$^{o}$F to 55$^{o}$F, clear & sunny.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak/Jaeson Pieretti (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 8 abatement personnel.<br>B & B Wrecking & Excavating – N/a. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Precision continued with checking the preparation completed on Building 18 for abatement process;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement preparation activities and review of the documentation;
- Precision completed with checking the preparation and any adjustments needed and leave site early afternoon;

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3rd party fiber monitoring at the five perimeter stations and at three locations around the work preparation area. ET collected samples (one per station) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut-down at the end of the day after stop of Chemtron's activities;
- Samples collected on 10/29 from fiber monitoring and analyzed for PCM were reported with results ranging from 0.002 – 0.004 f/cc for 5 perimeter stations, and 0.003 – 0.004 f/cc for 3 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;

**Others/Issues:**
- Weekly PRG IRAW conference call was conducted;

- Chemtron plans to store the friable asbestos materials in Gaylord boxes. KEY indicated that friable material is to be stored and shipped in closed metal containers. Chemtron plans to use the on-site conex box to temporarily store the Gaylord boxes with friable material. Chemtron looking into other options;
- *B&B/Chemtron provided a certification letter for the clean RCA being imported from a NJDEP approved Class B recycling facility. KEY requested the cert letter to be provided from the recycling facility;*
- *As part of IRAW activities, a liner was installed up to the southern slab of Buildings 18 & 21. Chemtron will need to access the south of the buildings for abatement/demo and as such will need to drive a manlift on the liner. Anticipate WRS to complete installation of the 12" fill cover system on top of the liner next week;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 may need to be sent to a scarp recycling yard for sorting prior to final smelting. KEY requested for alternate options and indicated that the alternate option needs approval by PRG;*
- *B&B working to obtain demo permit. KEY requested for copy of abatement permit* – In progress;
- *Precision to obtain permit for a trailer and submitted an application for the trailer. As such, the mobilization of the trailer was postponed. Precision anticipates the trailer permit to be available on Monday and as such scheduled the trailer to be mobilized on Tuesday;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 43°F to 55°F, clear & sunny.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak/Jaeson Pieretti (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 9 abatement personnel.<br>B & B Wrecking & Excavating – N/a. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Precision continued with checking the preparation completed on Building 18 for abatement process;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement preparation activities and review of the documentation;
- Precision received a temporary work trailer. Setup trailer near the Track 2 area;
- Precision started preparing the conex box for storing friable asbestos materials. Conex box was lined with 2 layers of plastic sheeting;

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3rd party fiber monitoring at the five perimeter stations and at three locations around the work preparation area. ET collected samples (one per station) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut-down at the end of the day after stop of Chemtron's activities;
- Samples collected on 10/31 from fiber monitoring and analyzed for PCM were reported with results ranging from 0.002 – 0.004 f/cc for 5 perimeter stations, and 0.004 – 0.006 f/cc for 3 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;

**Others/Issues:**
- *Chemtron plans to store the friable asbestos materials in Gaylord boxes. KEY indicated that friable material is to be stored and shipped in closed metal containers. Chemtron plans to use the on-site conex box to temporarily store the Gaylord boxes with friable material. Chemtron looking into other options;*

- *B&B/Chemtron provided a certification letter for the clean RCA being imported from a NJDEP approved Class B recycling facility. KEY requested the cert letter to be provided from the recycling facility;*
- *As part of IRAW activities, a liner was installed up to the southern slab of Buildings 18 & 21. Chemtron will need to access the south of the buildings for abatement/demo and as such will need to drive a manlift on the liner. Anticipate WRS to complete installation of the 12" fill cover system on top of the liner next week;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 may need to be sent to a scarp recycling yard for sorting prior to final smelting. KEY requested for alternate options and indicated that the alternate option needs approval by PRG;*
- *B&B submitted application for demo permit to Town of Kearny. Delay in demo permit may affect schedule*;
- *Precision anticipates receipt of approval for a trailer and abatement permits from Town of Kearny on Wednesday. Further delay in abatement permit may affect schedule;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 37$^{o}$F to 60$^{o}$F, clear & sunny.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jaeson Pieretti (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | Nathan Scott. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 9 abatement personnel.<br>B & B Wrecking & Excavating – N/a. |
| **Visitors:** | BEM Personnel. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Precision continued with checking the preparation completed on Building 18 for abatement process;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement preparation activities and review of the documentation;
- Precision completed preparing the conex box for storing friable asbestos materials. Conex box was lined with 2 layers of plastic sheeting and an Asbestos warning label was placed;
- Precision received the abatement permit from Town of Kearny. Started abatement work in the ground floor of Building 18;
- Chemtron received one 30 CY roll-off box (tarp on top) to store the non-friable asbestos materials. KEY indicated that roll-off should not be placed on Diamond property and only be located on SCCC property;
- Precision initiated removal of transite panels from Building 21. Bolts on the panels were cut using a saw-zaw. Water was sprayed to wet the panels and removed from position and lowered to the ground using a manlift. Abatement personnel dawned respirator. Removed panels were wrapped in 2-layers of plastic and sealed. Packaged panels were stored in a metal roll-off box;

**Air Monitoring:**

- Environmental Tactics (ET) conducted 3$^{rd}$ party fiber monitoring at the five perimeter stations, three locations around Building 18 and two locations near Building 21 work area. ET collected samples (one per station) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision work began to assure operation status of PID and Dust monitoring;

- VOC & Dust air monitors were left on at the end of the day after stop of Precision's work to conduct the 24-hr monitoring (1 of 3 days). ET setup fiber stations end of the day to conduct 24-hr monitoring (1 of 3 days);
- Samples collected on 11/1 from fiber monitoring and analyzed for PCM were reported with results ranging from 0.002 – 0.004 f/cc for 5 perimeter stations, and 0.003 – 0.005 f/cc for 3 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;

**Others/Issues:**
- Precision/B&B received demo permit from Town of Kearny for the Track 2 buildings;
- Precision received approval for the abatement permits from Town of Kearny;
- *Chemtron plans to store the friable asbestos materials in Gaylord boxes. KEY indicated that friable material is to be stored and shipped in closed metal containers. Chemtron plans to use the on-site conex box to temporarily store the Gaylord boxes with friable material. During shipment of friable materials, the semi-truck container will be lined with 2-layers of plastic;*
- *B&B/Chemtron provided a certification letter for the clean RCA being imported from a NJDEP approved Class B recycling facility. KEY requested the cert letter to be provided from the recycling facility;*
- *As part of IRAW activities, a liner was installed up to the southern slab of Buildings 18 & 21. Chemtron will need to access the south of the buildings for abatement/demo and as such will need to drive a manlift on the liner. Anticipate WRS to complete installation of the 12" fill cover system on top of the liner next week;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 may need to be sent to a scarp recycling yard for sorting prior to final smelting. KEY requested for alternate options and indicated that the alternate option needs approval by PRG;*
- *Precision waiting for receipt of Trailer permit from Town of Kearny;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 41$^{o}$F to 60$^{o}$F, clear & sunny.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jaeson Pieretti (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 9 abatement personnel.<br>B & B Wrecking & Excavating – N/a. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement activities and fiber monitoring;
- Chemtron received one 42 CY roll-off box (closed metal) to store the friable asbestos materials. Roll-off was staged near SCCC Building 7;
- Precision continued removal of transite panels from Building 21. Bolts on the panels were cut using a saw-zaw. Water was sprayed to wet the panels and removed from position and lowered to the ground using a manlift. Abatement personnel donned respirator. Removed panels were stored in a metal roll-off box that was lined with 2-layers of plastic sheeting;
- Precision continued with abatement in Building 18 northern side of ground floor. Removed materials were packaged in bags and stored in Gaylord boxes. The Gaylord boxes were lined with 2-layers of plastic and then placed in a conex box located near Building 2. Abatement in the northern side of Building 18 ground floor was completed in the afternoon;
- ET collected clearance samples from the northern side of Building 18 ground floor;

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3$^{rd}$ party fiber monitoring at the five perimeter stations, three locations around Building 18 and two locations near Building 21 work area. ET collected samples (one per station) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Precision stopped work for the day;

- Samples collected on 11/2 (24 hrs) from fiber monitoring and analyzed for PCM were reported with results ranging from 0.002 – 0.004 f/cc for 5 perimeter stations, and 0.002 – 0.005 f/cc for 5 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;

**Others/Issues:**
- Weekly Track 2 demo conference call was conducted;
- *Chemtron plans to store the friable asbestos materials in Gaylord boxes. KEY indicated that friable material is to be stored and shipped in closed metal containers. Chemtron plans to use the on-site conex box to temporarily store the Gaylord boxes with friable material. During shipment of friable materials, the semi-truck container will be lined with 2-layers of plastic;*
- *B&B/Chemtron provided a certification letter for the clean RCA being imported from a NJDEP approved Class B recycling facility. KEY requested the cert letter to be provided from the recycling facility;*
- *As part of IRAW activities, a liner was installed up to the southern slab of Buildings 18 & 21. Chemtron will need to access the south of the buildings for abatement/demo and as such will need to drive a manlift on the liner. Anticipate WRS to complete installation of the 12" fill cover system on top of the liner next week;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 may need to be sent to a scarp recycling yard for sorting prior to final smelting. KEY requested for alternate options and indicated that the alternate option needs approval by PRG;*
- *Precision waiting for receipt of Trailer permit from Town of Kearny;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 47°F to 70°F, clear & sunny.

## CONTRACTORS AND PERSONAL ON-SITE:

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jaeson Pieretti (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Mike Perry, Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br><br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 11 abatement personnel.<br>B & B Wrecking & Excavating – N/a. |
| **Visitors:** | Robert Fisher – FTS. |

## WORK PERFORMED:

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement activities and fiber monitoring;
- Chemtron received one 30 CY roll-off box (tarp on top) to store the non-friable asbestos materials. Roll-off was staged near SCCC Building 15;
- Precision completed removal of transite panels from Building 21. Bolts on the panels were cut using a saw-zaw. Water was sprayed to wet the panels, bolts were cut, panels removed from position and lowered to the ground using a rope/manlift. Abatement personnel donned respirator. Removed panels were stored in a metal roll-off box that was lined with 2-layers of plastic sheeting;
- ET provided with clearance samples for the abatement completed in Building 18 northern side of ground floor;
- Precision setup a personnel shower and decon area in the cleaned area in Building 18 northern side of ground floor;
- Precision continued with pre-cleaning in other areas of Building 18;

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3rd party fiber monitoring at the five perimeter stations, three locations around Building 18 and two locations near Building 21 work area. ET collected samples (one per station) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision work began to assure operation status of PID and Dust monitoring;

- VOC & Dust air monitors were left on at the end of the day after stop of Precision's work to conduct the 24-hr monitoring (2nd of 3 days). ET setup fiber stations end of the day to conduct 24-hr monitoring (2nd of 3 days);
- Samples collected on 11/3 from fiber monitoring and analyzed for PCM were reported with results ranging from 0.002 – 0.004 f/cc for 5 perimeter stations, and 0.003 – 0.004 f/cc for 5 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;
- Five clearance samples collected on 11/3 from fiber monitoring in Building 18 northern side of ground floor and analyzed for Transmission Electron Microscopy (TEM) were reported non-detect;

**Others/Issues:**

- *Chemtron plans to store the friable asbestos materials in Gaylord boxes. KEY indicated that friable material is to be stored and shipped in closed metal containers. Chemtron plans to use the on-site conex box to temporarily store the Gaylord boxes with friable material. During shipment of friable materials, the semi-truck container will be lined with 2-layers of plastic;*
- *B&B/Chemtron provided a certification letter for the clean RCA being imported from a NJDEP approved Class B recycling facility. KEY requested the cert letter to be provided from the recycling facility;*
- *As part of IRAW activities, a liner was installed up to the southern slab of Buildings 18 & 21. Chemtron will need to access the south of the buildings for abatement/demo and as such will need to drive a manlift on the liner. Anticipate WRS to complete installation of the 12" fill cover system on top of the liner next week;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 may need to be sent to a scarp recycling yard for sorting prior to final smelting. KEY requested for alternate options and indicated that the alternate option needs approval by PRG;*
- *Precision waiting for receipt of Trailer permit from Town of Kearny;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 48$^{o}$F to 64$^{o}$F, clear & sunny.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jaeson Pieretti/Steve Bagnull (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Mike Perry, Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br><br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 11 abatement personnel.<br>B & B Wrecking & Excavating – N/a. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement activities and fiber monitoring;
- Precision completed final clean-up in Building 21;
- ET conducted visual check for completion of abatement in Building 21 and conducted clearance sampling;
- Precision setup a personnel shower and decon area in the cleaned area in Building 18 northern side of ground floor;
- Precision continued with cleaning in other areas of Building 18. Materials removed during cleaning were packaged in Gaylord boxes double lined with plastic sheets and stored in the metal conex box;

**Air Monitoring:**

- Environmental Tactics (ET) conducted 3$^{rd}$ party fiber monitoring at the five perimeter stations, three locations around Building 18 and two locations near Building 21 work area. ET collected samples (one per station) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision work began to assure operation status of PID and Dust monitoring. High readings were recorded for several minutes today AM on one of the VOC monitors. The high readings were due to instrumental malfunction and AMP personnel conducted troubleshooting;
- VOC & Dust air monitors were left on at the end of the day after stop of Precision's work to conduct the 24-hr monitoring (3$^{rd}$ of 3 days). ET setup fiber stations end of the day to conduct 24-hr monitoring (3$^{rd}$ of 3 days);

- Samples collected on 11/8 (24 hrs) from fiber monitoring and analyzed for PCM were reported with results ranging from 0.002 – 0.005 f/cc for 5 perimeter stations, and 0.004 – 0.006 f/cc for 5 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;

**Others/Issues:**

- *Chemtron plans to store the friable asbestos materials in Gaylord boxes. KEY indicated that friable material is to be stored and shipped in closed metal containers. Chemtron plans to use the on-site conex box to temporarily store the Gaylord boxes with friable material. During shipment of friable materials, the semi-truck container will be lined with 2-layers of plastic;*
- *B&B/Chemtron provided a certification letter for the clean RCA being imported from a NJDEP approved Class B recycling facility. KEY requested the cert letter to be provided from the recycling facility;*
- *As part of IRAW activities, a liner was installed up to the southern slab of Buildings 18 & 21. Chemtron will need to access the south of the buildings for abatement/demo and as such will need to drive a manlift on the liner. Anticipate WRS to complete installation of the 12" fill cover system on top of the liner next week;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 may need to be sent to a scarp recycling yard for sorting prior to final smelting. KEY requested for alternate options and indicated that the alternate option needs approval by PRG;*
- *Precision waiting for receipt of Trailer permit from Town of Kearny;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 47°F to 69°F, overcast/sun.

## CONTRACTORS AND PERSONAL ON-SITE:

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jaeson Pieretti (AMP). |
| **Beazer East (Beazer):** | Mitchell Brourman, Mike Slenska. |
| **Tierra Solutions (Tierra):** | Nathan Scott. |
| **Chemtron Corp.:** | Mike Perry, Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 11 abatement personnel.<br>B & B Wrecking & Excavating – N/a. |
| **Visitors:** | N/a. |

## WORK PERFORMED:

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement activities and fiber monitoring;
- Precision completed final clean-up in Building 21;
- ET conducted visual check for completion of abatement in Building 21 and conducted clearance sampling;
- Precision continued with cleaning in other areas of Building 18. Materials removed during cleaning were packaged in Gaylord boxes double lined with plastic sheets and stored in the metal conex box;
- Precision initiated abatement of window glazing/caulking in Building 17. A manlift was used for the removal;
- Chemtron/Precision start using a 2nd conex box to store Gaylord boxes with friable asbestos materials. Chemtron currently using a total of 3 conex boxes (ACM – 2, Supplies – 1);

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3rd party fiber monitoring at the five perimeter stations, three locations around Building 18 and two locations near Building 17 work area. ET collected samples (one per station) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Precision stopped work for the day;
- Samples collected on 11/9 from fiber monitoring and analyzed for PCM were reported with results ranging from 0.003 – 0.005 f/cc for 5 perimeter stations, and 0.003 – 0.005 f/cc for 5 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;

**Others/Issues:**

- Conducted weekly conference call with PRG, KEY, Chemtron, Precision and B&B;
- Precision provided a copy of Trailer permit from Town of Kearny;
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 may need to be sent to a scarp recycling yard for sorting prior to final smelting.* B&B estimate the volume to be approximately 80 CY. PRG indicated disposal of the metals as waste;
- *B&B/Chemtron provided a certification letter for the clean RCA being imported from a NJDEP approved Class B recycling facility. KEY requested the cert letter to be provided from the recycling facility;*
- *As part of IRAW activities, a liner was installed up to the southern slab of Buildings 18 & 21. Chemtron will need to access the south of the buildings for abatement/demo and as such will need to drive a manlift on the liner. Anticipate WRS to complete installation of the 12" fill cover system on top of the liner next week;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 43°F to 48°F, sunny & windy.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 11 abatement personnel.<br>B & B Wrecking & Excavating – N/a. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement activities and fiber monitoring;
- Precision continued with cleaning in other areas of Building 18. Materials removed during cleaning were packaged in Gaylord boxes double lined with plastic sheets and stored in the metal conex box;
- Precision continued abatement of window glazing/caulking in Building 17. A manlift was used for the removal;
- Chemtron/Precision received a 30 CY metal roll-off container (tarp on top) to store non-friable asbestos materials (total roll-offs on-site: 3 – 30 CY, 1 – 42 CY);

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3rd party fiber monitoring at the five perimeter stations, three locations around Building 18 and two locations near Building 17 work area. ET collected samples (one per station) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Precision stopped work for the day;
- Samples collected on 11/10 from fiber monitoring and analyzed for PCM were reported with results ranging from 0.003 – 0.005 f/cc for 5 perimeter stations, and 0.002 – 0.006 f/cc for 5 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;
- Five clearance samples collected on 11/10 from fiber monitoring in Building 21 and analyzed for Transmission Electron Microscopy (TEM) were reported to be less than 70 structures/mm2;

**Others/Issues:**

- Precision removing metal windows along with window glazing/caulking and disposing metal window panels in the roll-off containers. KEY noted to Chemtron that metal was to be sent to smelting facility for recycling unless this was previously included in their cost estimate. Disposal of metal frames as ACM will increase the quantities of total non-friable ACM from the original estimate;
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 may need to be sent to a scarp recycling yard for sorting prior to final smelting. B&B estimate the volume to be approximately 80 CY. PRG indicated disposal of the metals as waste;*
- *B&B/Chemtron provided a certification letter for the clean RCA being imported from a NJDEP approved Class B recycling facility. KEY requested the cert letter to be provided from the recycling facility;*
- *As part of IRAW activities, a liner was installed up to the southern slab of Buildings 18 & 21. Chemtron will need to access the south of the buildings for abatement/demo and as such will need to drive a manlift on the liner. Anticipate WRS to complete installation of the 12" fill cover system on top of the liner next week;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 36°F to 57°F, clear & sunny.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Steve Bagnull (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br><br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 11 abatement personnel.<br>B & B Wrecking & Excavating – N/a. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement activities and fiber monitoring;
- Precision continued with abatement in Building 18. Materials removed during cleaning were packaged in Gaylord boxes double lined with plastic sheets and stored in the metal conex box;
- Precision completed abatement of window glazing/caulking in Building 17. A manlift was used for the removal. Precision also completed removal of the transite panels on the north of Building 17. Panels were stored in 30 CY metal roll-off for subsequent disposal;
- Two roll-off boxes with non-friable ACM were covered with tarps at end of the day. Two conex boxes and one metal roll-off with friable ACM were locked at end of the day;

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3rd party fiber monitoring at the five perimeter locations, three locations around Building 18 and two locations near Building 17 work area. ET collected samples (one per location) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Precision stopped work for the day;
- Samples collected on 11/11 from fiber monitoring and analyzed for PCM were reported with results ranging from 0.003 – 0.006 f/cc for 5 perimeter stations, and 0.003 – 0.006 f/cc for 5 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;

**Others/Issues:**

- *Precision removing metal windows along with window glazing/caulking and disposing metal window panels in the roll-off containers. KEY noted to Chemtron that metal was to be sent to smelting facility for recycling unless this was previously included in their cost estimate. Disposal of metal frames as ACM will increase the quantities of total non-friable ACM from the original estimate;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 may need to be sent to a scarp recycling yard for sorting prior to final smelting. B&B estimate the volume to be approximately 80 CY. PRG indicated disposal of the metals as waste;*
- *B&B/Chemtron provided a certification letter for the clean RCA being imported from a NJDEP approved Class B recycling facility. KEY requested the cert letter to be provided from the recycling facility;*
- *As part of IRAW activities, a liner was installed up to the southern slab of Buildings 18 & 21. Chemtron will need to access the south of the buildings for abatement/demo and as such will need to drive a manlift on the liner. Anticipate WRS to complete installation of the diversion berm on top of the liner next week;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 51$^{o}$F to 70$^{o}$F, partly cloudy & sunny.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Teresa Royek, Vamsee Veera, Jamak Koochak/Steve Bagnull (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br><br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 11 abatement personnel.<br>B & B Wrecking & Excavating – N/a. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement activities and fiber monitoring;
- Precision continued with abatement in Building 18. Materials removed during cleaning were packaged in Gaylord boxes double lined with plastic sheets and stored in the metal conex box;
- Precision initiated abatement in Building 15 with removal of transite panels. The bolts on the transite panels were cut using saw-zaw and the panels were removed. Removed panels were stored in roll-off containers that were double lined with plastic sheets;
- Two roll-off boxes with non-friable ACM were covered with tarps at end of the day. Two conex boxes with friable ACM were locked at end of the day;
- ET conducted post test clearance sampling in Building 17;

**Air Monitoring:**

- Environmental Tactics (ET) conducted 3$^{rd}$ party fiber monitoring at the five perimeter locations, three locations around Building 18 and two locations near Building 15 work area. ET collected samples (one per location) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Precision stopped work for the day;
- Samples collected on 11/12 from fiber monitoring and analyzed for PCM were reported with results ranging from 0.002 – 0.005 f/cc for 5 perimeter stations, and 0.002 – 0.005 f/cc for 5 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;

**Others/Issues:**

- Weekly PRG conference call was conducted;
- Chemtron/Precision plan to conduct removal of the K085 still bottoms in conjunction with the removal of fluids from the sump under still. KEY requested that all abatement procedures (critical barriers & negative pressure) need to be followed during the removal process. Precision to provide a summary description of the work procedure that is in compliance with the regulations;
- *Precision removing metal windows along with window glazing/caulking and disposing metal window panels in the roll-off containers. KEY noted to Chemtron that metal was to be sent to smelting facility for recycling unless this was previously included in their cost estimate. Disposal of metal frames as ACM will increase the quantities of total non-friable ACM from the original estimate.* Chemtron to provide cost differential & volume differential (metal window recycling Vs disposal as ACM);
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 may need to be sent to a scarp recycling yard for sorting prior to final smelting. B&B estimate the volume to be approximately 80 CY. PRG indicated disposal of the metals as waste;*
- *B&B/Chemtron provided a certification letter for the clean RCA being imported from a NJDEP approved Class B recycling facility. KEY requested the cert letter to be provided from the recycling facility;*
- *As part of IRAW activities, a liner was installed up to the southern slab of Buildings 18 & 21. Chemtron will need to access the south of the buildings for abatement/demo and as such will need to drive a manlift on the liner. Anticipate WRS to complete installation of the diversion berm on top of the liner next week;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 56°F to 66°F, overcast.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 11 abatement personnel.<br>B & B Wrecking & Excavating – N/a. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement activities and fiber monitoring;
- Precision continued with abatement in Building 18. Materials removed during cleaning were packaged in Gaylord boxes double lined with plastic sheets and stored in the metal conex box. Precision completed removal of bulk friable asbestos containing materials (ACM) from Bldg 18. Precision started fine cleaning and wash down;
- Precision continued abatement in Building 15 with removal of transite panels. The bolts on the transite panels were cut using saw-zaw and the panels were removed. Removed panels were stored in roll-off containers that were double lined with plastic sheets;
- Two roll-off boxes with non-friable ACM were covered with tarps at end of the day. Two conex boxes with friable ACM were locked at end of the day;

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3rd party fiber monitoring at the five perimeter locations, three locations around Building 18 and two locations near Building 15 work area. ET collected samples (one per location) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Precision stopped work for the day;
- Samples collected on 11/14 from fiber monitoring and analyzed for PCM were reported with results ranging from 0.003 – 0.006 f/cc for 5 perimeter stations, and 0.003 – 0.006 f/cc for 5 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;

- Five clearance samples collected on 11/14 from fiber monitoring in Building 17 and analyzed for Transmission Electron Microscopy (TEM) were reported non-detect;

**Others/Issues:**

- Weekly conference call was conducted between PRG, KEY & WRS;
- Chemtron/Precision plan to conduct removal of the K085 still bottoms in conjunction with the removal of fluids from the sump under still. KEY requested that all abatement procedures (critical barriers & negative pressure) need to be followed during the removal process. Precision provided a brief description of the work procedure that is in compliance with the regulations that will be followed during the removal of K085 materials;
- *Precision removing metal windows along with window glazing/caulking and disposing metal window panels in the roll-off containers. KEY noted to Chemtron that metal was to be sent to smelting facility for recycling unless this was previously included in their cost estimate. Disposal of metal frames as ACM will increase the quantities of total non-friable ACM from the original estimate.* Chemtron to provide cost differential & volume differential (metal window recycling Vs disposal as ACM);
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 may need to be sent to a scarp recycling yard for sorting prior to final smelting. B&B estimate the volume to be approximately 80 CY. PRG indicated disposal of the metals as waste;*
- *B&B/Chemtron provided a certification letter for the clean RCA being imported from a NJDEP approved Class B recycling facility. KEY requested the cert letter to be provided from the recycling facility;*
- *As part of IRAW activities, a liner was installed up to the southern slab of Buildings 18 & 21. Chemtron will need to access the south of the buildings for abatement/demo and as such will need to drive a manlift on the liner. Anticipate WRS to complete installation of the diversion berm on top of the liner next week;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 54°F to 58°F, overcast & showers.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 11 abatement personnel.<br>B & B Wrecking & Excavating – N/a. |
| **Visitors:** | EnviroServe Vacuum Truck. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement activities and fiber monitoring;
- Precision continued with abatement in Building 18. Materials removed during cleaning were packaged in Gaylord boxes double lined with plastic sheets and stored in the metal conex box. Precision continued with fine cleaning and wash down;
- Precision continued abatement in Building 15 with removal of transite panels. The bolts on the transite panels were cut using saw-zaw and the panels were removed. Removed panels were stored in roll-off containers that were double lined with plastic sheets;
- Two roll-off boxes with non-friable ACM were covered with tarps at end of the day. Two conex boxes with friable ACM were locked at end of the day;
- Chemtron and Precision started removal of fluids and solids from the sumps in Building 17 using a vacuum truck. Materials removed were transferred in to 55 gal drums and stored in staging area for off-site disposal;

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3rd party fiber monitoring at the five perimeter locations, three locations around Building 18 and two locations near Building 15 work area. ET collected samples (one per location) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Precision stopped work for the day;

- Samples collected on 11/15 from fiber monitoring and analyzed for PCM were reported with results ranging from 0.003 – 0.005 f/cc for 5 perimeter stations, and 0.003 – 0.005 f/cc for 5 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;

**Others/Issues:**

- PRG notified NJDEP regarding the bird (barn owl) in Building 18. NJDEP in consultation with Division of Fish & Wildlife indicated to re-position the bird into a box on a different building;
- *Precision removing metal windows along with window glazing/caulking and disposing metal window panels in the roll-off containers. KEY noted to Chemtron that metal was to be sent to smelting facility for recycling unless this was previously included in their cost estimate. Disposal of metal frames as ACM will increase the quantities of total non-friable ACM from the original estimate.* Chemtron to provide cost differential & volume differential (metal window recycling Vs disposal as ACM);
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 may need to be sent to a scarp recycling yard for sorting prior to final smelting. B&B estimate the volume to be approximately 80 CY. PRG indicated disposal of the metals as waste;*
- *B&B/Chemtron provided a certification letter for the clean RCA being imported from a NJDEP approved Class B recycling facility. KEY requested the cert letter to be provided from the recycling facility;*
- *As part of IRAW activities, a liner was installed up to the southern slab of Buildings 18 & 21. Chemtron will need to access the south of the buildings for abatement/demo and as such will need to drive a manlift on the liner. Anticipate WRS to complete installation of the diversion berm on top of the liner next week;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 39$^{o}$F to 54$^{o}$F, overcast & showers.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | Mitchell Brourman, Chip McChesney. |
| **Tierra Solutions (Tierra):** | Enrique Castro. |
| **Chemtron Corp.:** | Mike Perry, Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br><br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 10 abatement personnel.<br>B & B Wrecking & Excavating – N/a. |
| **Visitors:** | EnviroServe Vacuum Truck, Waste Management Reps; Lori Mills/DBR; NJDEP – Chris Kanakis, Joe Karpa; EPA – David Kluesner, Allison Hess; RiverKeeper – Bill Sheehan, Tom McKee, Ed Bonamo, Debbie Mans, Chris Len. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement activities and fiber monitoring;
- Precision continued with abatement/wash out in Building 18. Materials removed during cleaning were packaged in Gaylord boxes double lined with plastic sheets and stored in the metal conex box. Precision continued with fine cleaning and wash down;
- Two roll-off boxes with non-friable ACM were covered with tarps at end of the day. Two conex boxes with friable ACM were locked at end of the day;
- Chemtron and Precision started removal of fluids and solids from the sump under Still in Building 18 using a vacuum truck. Materials removed were transferred in to 55 gal drums and stored in staging area for off-site disposal. Drums placed on top of plastic and then wrapped in plastic;

**Air Monitoring:**

- Environmental Tactics (ET) conducted 3$^{rd}$ party fiber monitoring at the five perimeter locations, three locations around Building 18 work area. ET collected samples (one per location) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Precision stopped work for the day;

- Samples collected on 11/16 from fiber monitoring and analyzed for PCM were reported with results ranging from 0.003 – 0.005 f/cc for 5 perimeter stations, and 0.002 – 0.005 f/cc for 5 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;

**Others/Issues:**
- NJDEP, EPA, Riverkeeper, Tierra, Beazer and DBR were on-site;
- Weekly demolition conference call was conducted with PRG, KEY, Chemtron & Precision;
- *Precision removing metal windows along with window glazing/caulking and disposing metal window panels in the roll-off containers. KEY noted to Chemtron that metal was to be sent to smelting facility for recycling unless this was previously included in their cost estimate. Disposal of metal frames as ACM will increase the quantities of total non-friable ACM from the original estimate.* Chemtron to provide cost differential & volume differential (metal window recycling Vs disposal as ACM);
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 may need to be sent to a scarp recycling yard for sorting prior to final smelting. B&B estimate the volume to be approximately 80 CY. PRG indicated disposal of the metals as waste;*
- *B&B/Chemtron provided a certification letter for the clean RCA being imported from a NJDEP approved Class B recycling facility. KEY requested the cert letter to be provided from the recycling facility;*
- *As part of IRAW activities, a liner was installed up to the southern slab of Buildings 18 & 21. Chemtron will need to access the south of the buildings for abatement/demo and as such will need to drive a manlift on the liner. Anticipate WRS to complete installation of the diversion berm on top of the liner next week;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 34°F to 48°F, clean & sunny.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP), Gary Edwards. |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Mike Perry. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br><br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 10 abatement personnel.<br>B & B Wrecking & Excavating – N/a. |
| **Visitors:** | EnviroServe Vacuum Truck. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement activities and fiber monitoring;
- Precision completed abatement/wash out in Building 18. Materials removed during cleaning were packaged in Gaylord boxes double lined with plastic sheets and stored in the metal conex box. Precision continued with fine cleaning and wash down;
- Two roll-off boxes with non-friable ACM were covered with tarps at end of the day. Two conex boxes with friable ACM were locked at end of the day;
- Chemtron and Precision continued removal of fluids and solids from the sump under Still in Building 18 using a vacuum truck. Materials removed were transferred in to 55 gal drums and stored in staging area for off-site disposal. Drums placed on top of plastic and then wrapped in plastic. A total of 79 drums with liquids and solids were generated;
- Gary Edwards/KEY was on-site to remove the bird (owlet) from the tank in Building 18. The removed bird was handed to The Raptor Trust Organization of New Jersey in accordance with NJDEP approval;

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3rd party fiber monitoring at the five perimeter locations, three locations around Building 18 work area. ET collected samples (one per location) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Precision stopped work for the day;

- Samples collected on 11/17 from fiber monitoring and analyzed for PCM were reported with results ranging from 0.002 – 0.004 f/cc for 5 perimeter stations, and 0.003 – 0.005 f/cc for 3 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;

**Others/Issues:**

- Chemtron generated 79 drums of liquids & solids from Building 18 sump under Still that also included ACM washout water. A total of 41 drums of liquids & solids were generated from Building 17 sumps. In total, the generated volumes were less than the estimated volumes;
- *Precision removing metal windows along with window glazing/caulking and disposing metal window panels in the roll-off containers. KEY noted to Chemtron that metal was to be sent to smelting facility for recycling unless this was previously included in their cost estimate. Disposal of metal frames as ACM will increase the quantities of total non-friable ACM from the original estimate.* Chemtron to provide cost differential & volume differential (metal window recycling Vs disposal as ACM);
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste.* B&B estimate the volume to be approximately 50-60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton;
- *B&B/Chemtron provided a certification letter for the clean RCA being imported from a NJDEP approved Class B recycling facility. KEY requested the cert letter to be provided from the recycling facility;*
- *As part of IRAW activities, a liner was installed up to the southern slab of Buildings 18 & 21. Chemtron will need to access the south of the buildings for abatement/demo and as such will need to drive a manlift on the liner. Anticipate WRS to complete installation of the diversion berm on top of the liner next week;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 33$^{o}$F to 53$^{o}$F, clean & sunny.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Mike Perry. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br><br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 10 abatement personnel.<br>B & B Wrecking & Excavating – N/a. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement activities and fiber monitoring;
- ET conducted visual check of abatement in Building 18 and request for fine cleaning of several areas;
- Precision continued wash out/fine cleaning in Building 18. Materials removed during cleaning were packaged in Gaylord boxes double lined with plastic sheets and stored in the metal conex box;
- Chemtron/Precision containers/waste storage on-site:
    - 2 – 30 CY roll-off boxes partially filled with non-friable ACM (in use) (tarp top)
    - 1 – 30 CY roll-off box completely filled with non-friable ACM (tarp top)
    - 2 – 30 CY roll-off boxes (empty) (tarp top)
    - 1 – 42 CY roll-off box partially filled with friable ACM (metal top)
    - 2 – Conex boxes partially filled with friable ACM
    - 79 – 55 gal drums – Building 18 sump under still solids & liquids + ACM washout water
    - 41 – 55 gal drums – Building 17 sump solids & liquids
    - 5 – 55 gal overpacked drums – Building 18 Dioxin investigation debris
    - 1 – 55 gal drum – Chemical from Building 18

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3$^{rd}$ party fiber monitoring at the five perimeter locations, three locations around Building 18 work area. ET collected samples (one per location) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Precision stopped work for the day;

- Samples collected on 11/18 from fiber monitoring and analyzed for PCM were reported with results ranging from 0.002 – 0.004 f/cc for 5 perimeter stations, and 0.002 – 0.005 f/cc for 3 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;

**Others/Issues:**

- Chemtron generated 79 drums of liquids & solids from Building 18 sump under Still that also included ACM washout water. A total of 41 drums of liquids & solids were generated from Building 17 sumps. In total, the generated volumes were less than the estimated volumes;
- *Precision removing metal windows along with window glazing/caulking and disposing metal window panels in the roll-off containers. KEY noted to Chemtron that metal was to be sent to smelting facility for recycling unless this was previously included in their cost estimate. Disposal of metal frames as ACM will increase the quantities of total non-friable ACM from the original estimate.* Chemtron to provide cost differential & volume differential (metal window recycling Vs disposal as ACM);
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste.* B&B estimate the volume to be approximately 50-60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton;
- *B&B/Chemtron provided a certification letter for the clean RCA being imported from a NJDEP approved Class B recycling facility. KEY requested the cert letter to be provided from the recycling facility;*
- *As part of IRAW activities, a liner was installed up to the southern slab of Buildings 18 & 21. Chemtron will need to access the south of the buildings for abatement/demo and as such will need to drive a manlift on the liner. Anticipate WRS to complete installation of the diversion berm on top of the liner next week;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 46°F to 57°F, overcast, showers.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Mike Perry. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br><br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 10 abatement personnel.<br>B & B Wrecking & Excavating – N/a. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement activities and fiber monitoring;
- Precision continued wash out/fine cleaning in Building 18. Materials removed during cleaning were packaged in Gaylord boxes double lined with plastic sheets and stored in the metal conex box;
- ET conducted visual check of abatement in Building 18 and provided ok;
- Precision completed spraying sealant in Building 18 and encapsulation;
- Precision continued removal of transite panels from Building 15. The bolts on the transite panels were cut using saw-zaw and the panels were removed. Removed panels were stored in roll-off containers that were double lined with plastic sheets. A manlift was used for the operation;
- Chemtron/Precision containers/waste storage on-site:
    - 2 – 30 CY roll-off boxes partially filled with non-friable ACM (in use) (tarp top)
    - 2 – 30 CY roll-off boxes completely filled with non-friable ACM (tarp top)
    - 1 – 30 CY roll-off box (empty) (tarp top)
    - 1 – 42 CY roll-off box partially filled with friable ACM (metal top)
    - 2 – Conex boxes partially filled with friable ACM
    - 79 – 55 gal drums – Building 18 sump under still solids & liquids + ACM washout water
    - 41 – 55 gal drums – Building 17 sump solids & liquids
    - 5 – 55 gal overpacked drums – Building 18 Dioxin investigation debris
    - 1 – 55 gal drum – Chemical from Building 18

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3rd party fiber monitoring at the five perimeter locations, three locations around Building 18 work area and two locations around Building 15 work area. ET collected

samples (one per location) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Precision stopped work for the day;
- Samples collected on 11/19 from fiber monitoring and analyzed for PCM were reported with results ranging from 0.002 – 0.005 f/cc for 5 perimeter stations, and 0.003 – 0.005 f/cc for 3 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;

**Others/Issues:**
- Weekly conference call was conducted with PRG and KEY;
- *Precision removing metal windows along with window glazing/caulking and disposing metal window panels in the roll-off containers. KEY noted to Chemtron that metal was to be sent to smelting facility for recycling unless this was previously included in their cost estimate. Disposal of metal frames as ACM will increase the quantities of total non-friable ACM from the original estimate.* Chemtron indicated that the volume differential (metal window recycling Vs disposal as ACM) was approximately 7.5 CY;
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste.* B&B estimate the volume to be approximately 50-60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton;
- *B&B/Chemtron provided a certification letter for the clean RCA being imported from a NJDEP approved Class B recycling facility. KEY requested the cert letter to be provided from the recycling facility;*
- *As part of IRAW activities, a liner was installed up to the southern slab of Buildings 18 & 21. Chemtron will need to access the south of the buildings for abatement/demo and as such will need to drive a manlift on the liner. Anticipate WRS to complete installation of the diversion berm on top of the liner next week;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 42°F to 51°F, overcast, mist/showers all day.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Mike Perry. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 10 abatement personnel.<br>B & B Wrecking & Excavating – N/a. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement activities and fiber monitoring;
- ET conducted visual check of sealant sprayed in Building 18 and provided ok;
- ET conducted post test clearance sampling in Building 18;
- Precision continued removal of transite panels from Building 15. The bolts on the transite panels were cut using saw-zaw and the panels were removed. Removed panels were stored in roll-off containers that were double lined with plastic sheets. A manlift was used for the operation;
- Chemtron/Precision containers/waste storage on-site:
    - 1 – 30 CY roll-off box partially filled with non-friable ACM (in use) (tarp top)
    - 3 – 30 CY roll-off boxes completely filled with non-friable ACM (tarp top)
    - 1 – 30 CY roll-off box (empty) (tarp top)
    - 1 – 42 CY roll-off box partially filled with friable ACM (metal top)
    - 2 – Conex boxes partially filled with friable ACM
    - 79 – 55 gal drums – Building 18 sump under still solids & liquids + ACM washout water
    - 41 – 55 gal drums – Building 17 sump solids & liquids
    - 5 – 55 gal overpacked drums – Building 18 Dioxin investigation debris
    - 1 – 55 gal drum – Chemical from Building 18

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3rd party fiber monitoring at the five perimeter locations, and two locations around Building 15 work area. ET collected samples (one per location) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);

- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Precision stopped work for the day;
- Samples collected on 11/21 from fiber monitoring and analyzed for PCM were reported with results ranging from <0.001 – 0.002 f/cc for 5 perimeter stations, and <0.001 – 0.003 f/cc for 5 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;

**Others/Issues:**

- Weekly conference call was conducted with PRG, KEY and WRS;
- - *As part of IRAW activities, a liner was installed up to the southern slab of Buildings 18 & 21. Chemtron will need to access the south of the buildings for abatement/demo and as such will need to drive a manlift on the liner. Anticipate WRS to complete installation of the diversion berm on top of the liner next week.* WRS completed majority of the diversion berms located south of the Track 2 area. KEY reviewed with Chemtron the current berm locations. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;
- *Precision removing metal windows along with window glazing/caulking and disposing metal window panels in the roll-off containers. KEY noted to Chemtron that metal was to be sent to smelting facility for recycling unless this was previously included in their cost estimate. Disposal of metal frames as ACM will increase the quantities of total non-friable ACM from the original estimate. Chemtron indicated that the volume differential (metal window recycling Vs disposal as ACM) was approximately 7.5 CY;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 50-60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton;*
- *B&B/Chemtron provided a certification letter for the clean RCA being imported from a NJDEP approved Class B recycling facility. KEY requested the cert letter to be provided from the recycling facility;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 51°F to 64°F, overcast, mist/showers.

## CONTRACTORS AND PERSONAL ON-SITE:

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 10 abatement personnel.<br>B & B Wrecking & Excavating – Pete Mehalic. |
| **Visitors:** | N/a. |

## WORK PERFORMED:

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement activities and fiber monitoring;
- ET provided with results for Building 18 interior post test TEM clearance samples. The results were less than the limits;
- Precision continued removal of transite panels from Building 15. The bolts on the transite panels were cut using saw-zaw and the panels were removed. Removed panels were stored in roll-off containers that were double lined with plastic sheets. A manlift was used for the operation;

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3rd party fiber monitoring at the five perimeter locations, and two locations around Building 15 work area. ET collected samples (one per location) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Precision stopped work for the day;
- Samples collected on 11/22 from fiber monitoring and analyzed for PCM were reported with results ranging from <0.001 – 0.002 f/cc for 5 perimeter stations, and <0.001 f/cc for 2 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;
- Five clearance samples collected on 11/22 from fiber monitoring in Building 18 and analyzed for Transmission Electron Microscopy (TEM) were reported with less than 70 asb. structures/mm2;

**Others/Issues:**
- Weekly conference call was conducted with PRG, KEY and WRS;

- *As part of IRAW activities, a liner was installed up to the southern slab of Buildings 18 & 21. Chemtron will need to access the south of the buildings for abatement/demo and as such will need to drive a manlift on the liner. Anticipate WRS to complete installation of the diversion berm on top of the liner next week. WRS completed majority of the diversion berms located south of the Track 2 area. KEY reviewed with Chemtron the current berm locations. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Precision removing metal windows along with window glazing/caulking and disposing metal window panels in the roll-off containers. KEY noted to Chemtron that metal was to be sent to smelting facility for recycling unless this was previously included in their cost estimate. Disposal of metal frames as ACM will increase the quantities of total non-friable ACM from the original estimate. Chemtron indicated that the volume differential (metal window recycling Vs disposal as ACM) was approximately 7.5 CY;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 50-60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton;*
- *B&B/Chemtron provided a certification letter for the clean RCA being imported from a NJDEP approved Class B recycling facility. KEY requested the cert letter to be provided from the recycling facility;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 53$^{o}$F to 44$^{o}$F, sunny/cloudy.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br><br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 10 abatement personnel.<br>B & B Wrecking & Excavating – Pete Mehalic. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement activities and fiber monitoring;
- Precision continued removal of transite panels from Building 15 and start removal of transite panels from Building 18. The bolts on the transite panels were cut using saw-zaw and the panels were removed. Removed panels were stored in roll-off containers that were double lined with plastic sheets. Two manlifts were used for the operation;
- B&B spreading the stone from the tracking pad near Building 17 and prepare the area between Building 17 and 18 for removal of tanks west of Building 18;

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3$^{rd}$ party fiber monitoring at the five perimeter locations, and two locations around Building 15 work area. ET collected samples (one per location) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Precision stopped work for the day;
- Samples collected on 11/22 from fiber monitoring and analyzed for PCM were reported with results ranging from <0.001 – 0.002 f/cc for 5 perimeter stations, and <0.001 f/cc for 2 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;
- Five clearance samples collected on 11/22 from fiber monitoring in Building 18 and analyzed for Transmission Electron Microscopy (TEM) were reported with less than 70 asb. structures/mm2;

**Others/Issues:**

- B&B started removal of wooden frames from southern portion of Building 15. KEY stopped their B&B operation and a brief site meeting was conducted with B&B, Precision, Chemtron and ET. KEY indicated that demolition of the building should not be started until completion of asbestos abatement and receipt of acceptable clearance samples. The small portion of the wood removed was segregated and stockpiled separately. Precision conducted screening of the removed wood for any traces of ACM. Subsequently, ET conducted visual inspection of the wooden pile for evidence of ACM. No ACM was observed in the pile. The area the flagged and access was only provided to Precision personnel under proper H&S supervision to avoid any confusion or safety issues;
- *As part of IRAW activities, a liner was installed up to the southern slab of Buildings 18 & 21. Chemtron will need to access the south of the buildings for abatement/demo and as such will need to drive a manlift on the liner. Anticipate WRS to complete installation of the diversion berm on top of the liner next week. WRS completed majority of the diversion berms located south of the Track 2 area. KEY reviewed with Chemtron the current berm locations. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Precision removing metal windows along with window glazing/caulking and disposing metal window panels in the roll-off containers. KEY noted to Chemtron that metal was to be sent to smelting facility for recycling unless this was previously included in their cost estimate. Disposal of metal frames as ACM will increase the quantities of total non-friable ACM from the original estimate. Chemtron indicated that the volume differential (metal window recycling Vs disposal as ACM) was approximately 7.5 CY;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 50-60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton;*
- *B&B/Chemtron provided a certification letter for the clean RCA being imported from a NJDEP approved Class B recycling facility. KEY requested the cert letter to be provided from the recycling facility;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 37$^{o}$F to 51$^{o}$F, sun.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br><br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 10 abatement personnel.<br>B & B Wrecking & Excavating – Pete Mehalic & one operator. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement activities and fiber monitoring;
- Precision continued removal of transite panels from Building 15 and 18. The bolts on the transite panels were cut using saw-zaw and the panels were removed. Removed panels were stored in roll-off containers that were double lined with plastic sheets. Two manlifts (85' & 125') were used for the operation;
- B&B continued with shear removal of tanks and piping located west of Building 18;
- B&B received one load of recycled stone from off-site Class B recycling facility. Stone was spread in the area west of Building 18 in preparation of the area of demolition tracking pad and Building 18 controlled drop impact platform;
- B&B conducted saw-cut of metal catwalk and piping on the west of Building 18 to separate the catwalk from the Building structure. Subsequently, B&B removed the catwalk, piping and tanks on the west of Building 18 using a shear attachment machine CAT 240;
- B&B started sizing the scrap metal in preparation for shipment to smelting facility;

Shipments:
- Chemtron shipped out two (2) 30 CY rolloff boxes containing non-friable ACM (from Buildings 15, 17 & 21) to Environsafe of Ohio, Oregon, OH;

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3$^{rd}$ party fiber monitoring at the five perimeter locations, two locations around Building 15 work area and two locations around Building 18 work area. ET collected samples (one per location) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);

- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision/B&B work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Chemtron/Precision/B&B stopped work for the day;
- Samples collected on 11/30 from fiber monitoring and analyzed for PCM were reported with results ranging from 0.002 – 0.004 f/cc for 5 perimeter stations, and 0.002 f/cc – 0.004 f/cc for the 4 work zone stations, that were less than the daily action level (DAL) of 0.010 f/cc;

**Others/Issues:**

- Weekly conference call was conducted with PRG, KEY, Chemtron, B&B and Precision;
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss;*
- B&B/Chemtron provided a revised certification letter and analytical results for the clean RCA being imported from a NJDEP approved Class B recycling facility. The certification indicated that the material was clean. KEY requested for supporting analytical results;
- Chemtron notified that roll-off with non-friable ACM from Buildings 15, 17 & 21 that were shipped out on 11/29/11 encountered an accident enroute and were subject to emergency response. Chemtron plans to check the rolloffs prior to shipment to the final disposal destination;
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 35$^{o}$F to 54$^{o}$F, sun.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br><br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 10 abatement personnel.<br>B & B Wrecking & Excavating – Pete Mehalic & one operator.<br>SteveRich & Associates - VacTruck |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement activities and fiber monitoring;
- Precision continued removal of transite panels from Building 15 and 18. The bolts on the transite panels were cut using saw-zaw and the panels were removed. Removed panels were stored in roll-off containers that were double lined with plastic sheets. Two manlifts (85' & 125') were used for the operation;
- B&B continued shear cutting of tanks and piping to size the material for off-site shipment using a shear attachment machine CAT 240;
- B&B received 10 loads of recycled stone from off-site Class B recycling facility. Stone was spread in the area west of Building 18 in preparation of the tracking pad and Building 18 controlled drop impact platform;
- B&B started installation of silt fence and haybales along the Track 2 west perimeter as part of E&S controls;
- Chemtron and Precision started removal of K085 residual materials from the Still in Building 18. Material was removed using a vacuum truck and stored in 55-gal drums;

**Shipments:**
- Chemtron shipped out 96 drums (55 gal each) containing sump solids & liquids from Buildings 17 & 18. Drums were shipped in a semi-truck to EQ – Michigan Disposal, Belleville, MI;

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3$^{rd}$ party fiber monitoring at the five perimeter locations, two locations around Building 15 work area and two locations around Building 18 work area. ET collected

samples (one per location) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision/B&B work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Chemtron/Precision/B&B stopped work for the day;
- Samples collected on 12/01 from fiber monitoring and analyzed for PCM were reported with results for the perimeter stations and work zone stations that were less than the daily action level (DAL) of 0.010 f/cc;

**Others/Issues:**
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss;*
- *B&B/Chemtron provided a clean fill certification letter and analytical results for the clean RCA being imported from a NJDEP approved Class B recycling facility. The certification indicated that the material was clean. KEY requested for supporting analytical results;*
- *Chemtron notified that roll-off with non-friable ACM from Buildings 15, 17 & 21 that were shipped out on 11/29/11 encountered an accident enroute and were subject to emergency response. Chemtron plans to double-check the roll-off contents prior to shipment to the final disposal destination;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 33$^{o}$F to 48$^{o}$F, sun.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br><br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 10 abatement personnel.<br>B & B Wrecking & Excavating – Pete Mehalic & one operator.<br>SteveRich & Associates - VacTruck |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement activities and fiber monitoring;
- Precision continued removal of transite panels from Building 15 and 18. Completed removal of transite on Building 15 and started removal of window frames with caulking. The bolts on the transite panels were cut using saw-zaw and the panels were removed. Removed panels were stored in roll-off containers that were double lined with plastic sheets. Two manlifts (85' & 125') were used for the operation;
- B&B continued shear cutting of tanks and piping to size the material for off-site shipment using a shear attachment machine CAT 240;
- B&B received 8 loads of recycled stone from off-site Class B recycling facility. Stone was spread in the area west of Building 18 in preparation of the tracking pad and Building 18 controlled drop impact platform. Stone was also placed along south of Building 17 as a temporary tracking pad;
- B&B continued installation of silt fence and haybales along the Track 2 west perimeter (west of Building 15 & 17) as part of E&S controls. Haybales and silt fence were installed infront of the wetland chainlink fence. Fiber board sheets were placed along the fence west of Building 17 to avoid material flying into the wetlands during demolition;
- B&B continued munching/breaking of tank cradles and containment concrete berms north and west of Building 18 and south of Building 17;
- Chemtron and Precision continued and completed removal of K085 residual materials from the Still in Building 18. Material was removed using a vacuum truck and stored in 55-gal drums;

**Shipments:**

- Chemtron shipped out 24 drums (55 gal each) containing sump solids & liquids from Buildings 17 & 18. Drums were shipped in a semi-truck to EQ – Michigan Disposal, Belleville, MI;

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3rd party fiber monitoring at the five perimeter locations, two locations around Building 15 work area and two locations around Building 18 work area. ET collected samples (one per location) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision/B&B work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Chemtron/Precision/B&B stopped work for the day;
- Samples collected on 12/01 from fiber monitoring and analyzed for PCM were reported with results for the perimeter stations and work zone stations that were less than the daily action level (DAL) of 0.010 f/cc;

**Others/Issues:**
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss;*
- *B&B/Chemtron provided a clean fill certification letter and analytical results for the clean RCA being imported from a NJDEP approved Class B recycling facility. The certification indicated that the material was clean. KEY requested for supporting analytical results;*
- *Chemtron notified that roll-off with non-friable ACM from Buildings 15, 17 & 21 that were shipped out on 11/29/11 encountered an accident enroute and were subject to emergency response. Chemtron plans to double-check the roll-off contents prior to shipment to the final disposal destination;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 33$^{o}$F to 48$^{o}$F, sun.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br><br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 10 abatement personnel.<br>B & B Wrecking & Excavating – Pete Mehalic & one operator.<br>SteveRich & Associates - VacTruck |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement activities and fiber monitoring;
- Precision continued removal of window frames from Building 15 and and transite panels from Building 18. Window frames were removed in-tact along with the glass panes and caulking. The bolts on the transite panels were cut using saw-zaw and the panels were removed. Removed windows and transite panels were stored in roll-off containers that were double lined with plastic sheets. Two manlifts (85’ & 125’) were used for the operation;
- B&B continued shear cutting of tanks and piping to size the material for off-site shipment using a shear attachment machine CAT 240;
- B&B continued munching/breaking of tank cradles and containment concrete berms north and west of Building 18 and south of Building 17;

**Shipments:**
- Chemtron shipped one roll-off box containing non-friable ACM from Buildings 15, 17 & 21. The roll-off box was shipped to Envirosafe Services of Ohio;
- Chemtron also shipped out 44 gaylord boxes (1 CY each) containing friable ACM from Building 18 to Envirosafe Services of Ohio;

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3$^{rd}$ party fiber monitoring at the five perimeter locations, two locations around Building 15 work area and two locations around Building 18 work area. ET collected

samples (one per location) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision/B&B work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Chemtron/Precision/B&B stopped work for the day;
- Samples collected on 12/04 from fiber monitoring and analyzed for PCM were reported with results for the perimeter stations and work zone stations that were less than the daily action level (DAL) of 0.010 f/cc;

**Others/Issues:**
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss;*
- *B&B/Chemtron provided a clean fill certification letter and analytical results for the clean RCA being imported from a NJDEP approved Class B recycling facility. The certification indicated that the material was clean. KEY requested for supporting analytical results;*
- *Chemtron notified that roll-off with non-friable ACM from Buildings 15, 17 & 21 that were shipped out on 11/29/11 encountered an accident enroute and were subject to emergency response. Chemtron plans to double-check the roll-off contents prior to shipment to the final disposal destination;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 53°F to 62°F, overcast, rain all day.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | Nathan Scott. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 10 abatement personnel.<br>B & B Wrecking & Excavating – Pete Mehalic & one operator. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement activities and fiber monitoring;
- Precision continued removal of window frames & panels in order to remove caulking material from Building 18. Precision completed removal of transite panels from Building 18. A 85' and a 125' manlifts were used for the operation;
- Precision continued and completed removal of window frames & panels in order to remove caulking material from Building 15;
- ET conducted visual check of the Building 15 area for non-friable asbestos materials;
- Precision sent the generator off-site in preparation of demobilization;
- B&B continued shear cutting of tanks and piping to size the material for off-site shipment using a shear attachment machine CAT 240;
- B&B continued and completed demolition of Building 17. Started breaking concrete/brick and segregation of metal/rebar. Water was sprayed using a water truck during demolition to minimize any dust;
- Chemtron/Precision continued packaging of K085 materials into drums;

**Shipments:**
- No off-site shipment of waste conducted;

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3rd party fiber monitoring at the five perimeter locations, two locations around Building 15 work area and two locations around Building 18 work area. ET collected samples (one per location) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);

- ET collected post test/clearance samples for Building 15;
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision/B&B work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Chemtron/Precision/B&B stopped work for the day;
- Samples collected on 12/05 from fiber monitoring and analyzed for PCM were reported with results for the perimeter stations and work zone stations that were less than the daily action level (DAL) of 0.010 f/cc;

**Others/Issues:**

- One window frame on Building 15 appeared unstable and as such, the window was removed from the building by B&B using the shear attachment machine CAT 240. The removed frame was placed on plastic and Precision completed the abatement;
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss;*
- *B&B/Chemtron provided a clean fill certification letter and analytical results for the clean RCA being imported from a NJDEP approved Class B recycling facility. The certification indicated that the material was clean. KEY requested for supporting analytical results;*
- *Chemtron notified that roll-off with non-friable ACM from Buildings 15, 17 & 21 that were shipped out on 11/29/11 encountered an accident enroute and were subject to emergency response. Chemtron plans to double-check the roll-off contents prior to shipment to the final disposal destination;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 48°F to 62°F, overcast, rain all day.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | Mitchell Brourman. |
| **Tierra Solutions (Tierra):** | Enrique Castro. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br><br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 10 abatement personnel.<br>B & B Wrecking & Excavating – Pete Mehalic & one operator. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of abatement activities and fiber monitoring;
- Precision continued and completed removal of window frames & panels in order to remove caulking material from Building 18. A 85' manlift was used for the operation;
- ET conducted visual check of the Building 18 area for non-friable asbestos materials;
- Precision continued removal of supplies and equipment in preparation of demobilization;
- B&B continued shear cutting of tanks and piping to size the material for off-site shipment using a shear attachment machine CAT 240;
- B&B started and completed demolition of Building 21. Started breaking concrete and segregation of metal. Water was sprayed using a water truck during demolition to minimize any dust;
- Chemtron/Precision complete packaging of K085 materials into 17 drums. Drums were wrapped in with appropriate labeling;

**Shipments:**
- No off-site shipment of waste conducted;

**Air Monitoring:**
- Environmental Tactics (ET) conducted 3rd party fiber monitoring at the five perimeter locations, and two locations around Building 18 work area. ET collected samples (one per location) from the monitoring stations and submitted for analysis of NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- ET collected post test/clearance samples for Building 18;
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision/B&B work began to assure operation status of PID and Dust monitoring;

- VOC & Dust air monitors were shut down at end of the day after Chemtron/Precision/B&B stopped work for the day;
- Samples collected on 12/06 from fiber monitoring and analyzed for PCM were reported with results for the perimeter stations and work zone stations that were less than the daily action level (DAL) of 0.010 f/cc;

**Others/Issues:**

- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss;*
- *B&B/Chemtron provided a clean fill certification letter and analytical results for the clean RCA being imported from a NJDEP approved Class B recycling facility. The certification indicated that the material was clean. KEY requested for supporting analytical results;*
- *Chemtron notified that roll-off with non-friable ACM from Buildings 15, 17 & 21 that were shipped out on 11/29/11 encountered an accident enroute and were subject to emergency response. Chemtron plans to double-check the roll-off contents prior to shipment to the final disposal destination;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 35°F to 47°F, clear, sun.

## CONTRACTORS AND PERSONAL ON-SITE:

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a.. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br><br>**Chemtron:** Precision Environmental Co – Jeff Schneider and 10 abatement personnel.<br>B & B Wrecking & Excavating – Pete Mehalic & one operator. |
| **Visitors:** | N/a. |

## WORK PERFORMED:

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Environmental Tactics (ET) was on-site to conduct oversight of cleanup activities, perimeter fiber monitoring and complete reporting;
- Precision completed cleanup and packaging of supplies for demobilization of abatement equipment;
- Precision and Chemtron conducted removal of Dioxin investigation drums from Building 18. Drums requiring repacking were overpacked;
- Precision finish with wrapup and off-site early afternoon
- B&B started demolition of Building 18 using shear attachment machine CAT 240. Chemtron removed manometers and thermometers from the 2nd floor of Building 18 and stored in a drum. Subsequently, the second floor on north and south sides of Building 18 were removed. Metal was segregated and stockpiled in the adjacent area;
- B&B started demolition of Building 15. Continued removal of wooden supports and started removal of metal trusses and hoppers. The removed wood was segregated and cut into smaller pieces in preparation of disposal;

**Shipments:**
- No off-site shipment of waste conducted;

**Air Monitoring:**
- Environmental Tactics (ET) on-site to complete paperwork and provided final clearance sampling results for Building 18. The final clearance sampling results for Building 18 were within acceptable limits;
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/Precision/B&B work began to assure operation status of PID and Dust monitoring;

- VOC & Dust air monitors were shut down at end of the day after Chemtron/Precision/B&B stopped work for the day;

**Others/Issues:**

- KEY notified Chemtron that the materials provided by WRS for the construction of capillary break in the process area were staged in the Diamond eastern parking lot;
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss;*
- *B&B/Chemtron provided a clean fill certification letter and analytical results for the clean RCA being imported from a NJDEP approved Class B recycling facility. The certification indicated that the material was clean. KEY requested for supporting analytical results;*
- *Chemtron notified that roll-off with non-friable ACM from Buildings 15, 17 & 21 that were shipped out on 11/29/11 encountered an accident enroute and were subject to emergency response. Chemtron plans to double-check the roll-off contents prior to shipment to the final disposal destination;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 28$^{o}$F to 49$^{o}$F, clear, sun.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Teresa Royek, Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a.. |
| **Chemtron Corp.:** | Mike Perry, Brian Duke. |
| **Subcontractors:** | **KEY:** N/a. |
| | **Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, Ernest Beck Jr., & two labor/operators. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- B&B continued demolition of Building 18 using shear attachment machine CAT 240. Chemtron/B&B located a electric switch box contained dielectric fluid beneath the control panel on the 2$^{nd}$ floor of Building 18. Subsequently, the roof of the ground floor on north and south sides of Building 18 were removed in preparation of dropping the tower. Metal was segregated and stockpiled in the adjacent area;
- B&B prepared Building 18 tower for a controlled drop. Three metals cables (approx. 1.5" dia) were attached to the Building 18 metal supports – one of top, one each on approx at the 2$^{nd}$ floor level metal support columns. The two western sections of the metal support columns were cut just below where the cables were attached. Subsequently, a 6-12" section of the fractionating column was cut around the circumference leaving the western half uncut. The other ends of the cables were held by the two machines CAT240 and CAT 220;
- A 6 foot high berm was created using the Building 17 brick on the western side of the estimated drop location to contain any flying objects during/after the building drop;
- H&S walk down was conducted by Chemtron in the process area and around Building 18 area to ensure all personnel in the area were moved to safe zone;
- At 3:00 PM the CAT machines pulled the cables and the building along with the frac column dropped to the west within the estimated location;
- B&B started segregation of metal from the dropped building;

**Shipments:**
- No off-site shipment of waste conducted;

**Air Monitoring:**

- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/B&B work began to assure operation status of PID and Dust monitoring. Due to an equipment problem, high readings were recorded in the NW dustrak. The equipment problem was corrected by calibration;
- VOC & Dust air monitors were shut down at end of the day after Chemtron/B&B stopped work for the day;

**Others/Issues:**

- KEY provided comments to Chemtron on Invoice No.1 (print date 11/16/11) and on Invoice No.2 (print date 11/30/11). Chemtron to make revisions and resubmit for consideration;
- KEY provided comments to Chemtron on the Track 3 Cost estimate and reviewed the SOW with Chemtron;
- WRS terminated the water service along the Diamond entrance as part of their demobilization. KEY requested Chemtron to use the HCTS water service line for any water needs during demolition;
- Chemtron indicated that the volume of wood generated from Building 15 for disposal after cutting the wood for disposal criteria was estimated to be approx. 120 CY. KEY indicated that the in-place volume was calculated to be 37 CY and that the unit pricing provided by Chemtron was per ton;
- *KEY notified Chemtron that the materials provided by WRS for the construction of capillary break in the process area were staged in the Diamond eastern parking lot;*
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss;*
- *B&B/Chemtron provided a clean fill certification letter and analytical results for the clean RCA being imported from a NJDEP approved Class B recycling facility. The certification indicated that the material was clean. KEY requested for supporting analytical results;*
- *Chemtron notified that roll-off with non-friable ACM from Buildings 15, 17 & 21 that were shipped out on 11/29/11 encountered an accident enroute and were subject to emergency response. Chemtron plans to double-check the roll-off contents prior to shipment to the final disposal destination;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 35$^{o}$F to 51$^{o}$F, clear, sun.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a.. |
| **Chemtron Corp.:** | Mike Perry, Brian Duke. |
| **Subcontractors:** | **KEY:** N/a. |
| | **Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, Ernest Beck Jr., & two labor/operators. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- B&B continued segregation of metal from the building 18 and sizing of metal using CAT 240 with shear attachment;
- B&B conducted torch cutting of metal tanks to prepare for shipment. A hot work permit was issued by Chemtron for the operation;

**Shipments:**
- No off-site shipment of waste conducted;

**Air Monitoring:**
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/B&B work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Chemtron/B&B stopped work for the day;

**Others/Issues:**
- Chemtron torch cut the Still tank and started removal of the condenser pipes/plates at the bottom. A thick layer of residue/cake was found beneath the condenser pipes/plates. The removal was stopped and the tank was covered with plastic sheeting. The residue/cake to be removed and tank re-washed prior to conducting any sizing of the metal tank;
- KEY observed debris/rust flakes within the cone/cups/walls in Fractionating Column and requested Chemtron to remove and containerize the material. The metal to be decontaminated prior to cutting;
- An Unknown white material was found sandwiched in Fractionating Column at the bottom. The section of the column was separated and covered with plastic pending sampling and analysis;

- *Chemtron indicated that the volume of wood generated from Building 15 for disposal after cutting the wood for disposal criteria was estimated to be approx. 120 CY. KEY indicated that the in-place volume was calculated to be 37 CY and that the unit pricing provided by Chemtron was per ton;*
- *KEY notified Chemtron that the materials provided by WRS for the construction of capillary break in the process area were staged in the Diamond eastern parking lot.* WRS was observed using 1.5" stone materials from the stockpile. Volume provided to be recalculated*;*
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss;*
- *B&B/Chemtron provided a clean fill certification letter and analytical results for the clean RCA being imported from a NJDEP approved Class B recycling facility. The certification indicated that the material was clean. KEY requested for supporting analytical results;*
- *Chemtron notified that roll-off with non-friable ACM from Buildings 15, 17 & 21 that were shipped out on 11/29/11 encountered an accident enroute and were subject to emergency response. Chemtron plans to double-check the roll-off contents prior to shipment to the final disposal destination;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 46°F to 59°F, cloudy/sun.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a.. |
| **Chemtron Corp.:** | Mike Perry, Brian Duke. |
| **Subcontractors:** | **KEY:** N/a. |
| | **Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, Ernest Beck Jr., & two labor/operators. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- B&B continued segregation of metal from the building 18 and sizing of metal using CAT 240 with shear attachment;
- B&B conducted torch cutting of metal tanks to prepare for shipment. A hot work permit was issued by Chemtron for the operation;
- B&B removed debris/flakes within the cone/cups in Fractionating Column. Removed materials were transferred into 3-55 gallon drums. Pending removal of remaining debris;
- Chemtron packaged mercury bulbs and sink into 1 gaylord box with double lined plastic and labeled appropriately;

**Shipments:**
- No off-site shipment of waste conducted;

**Air Monitoring:**
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/B&B work began to assure operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Chemtron/B&B stopped work for the day;

**Others/Issues:**
- Weekly Track 2 conference call was conducted with PRG, KEY, Chemtron & B&B;
- Residue/cake from the bottom of condenser pipes/plates in Still to be removed and tank re-washed prior to conducting any sizing of the metal tank;

- Unknown white material found sandwiched in Fractionating Column at the bottom to be sampled and analyzed for NIOSH Method 7400 Phase Contrast Microscopy (PCM);
- Union labors on-site expressed concerns on smoke coming from the torch cutting operations conducted by B&B. KEY requested Chemtron to conduct workzone air monitoring and check the locations of torch cutting to ensure no debris is being burnt during cutting activity. Perimeter AMP stations recorded no hits above the DALs. Also, workzone monitoring using 5-gas meter conducted by Chemtron reported no readings above the OSHA limits;
- *Volume of wood from Building 15: In-place – 37 CY; Disposal – 120 CY. B&B indicated typical bulking factor for wood was 3x and for concrete was 1.5x;*
- *KEY notified Chemtron that the materials provided by WRS for the construction of capillary break in the process area were staged in the Diamond eastern parking lot.* WRS was observed using 1.5" stone materials from the stockpile. Volume provided to be recalculated*;*
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss;*
- *B&B/Chemtron provided a clean fill certification letter and analytical results for the clean RCA being imported from a NJDEP approved Class B recycling facility. The certification indicated that the material was clean. KEY requested for supporting analytical results;*
- *Chemtron notified that roll-off with non-friable ACM from Buildings 15, 17 & 21 that were shipped out on 11/29/11 encountered an accident enroute and were subject to emergency response. Chemtron plans to double-check the roll-off contents prior to shipment to the final disposal destination;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 46°F to 59°F, windy, sunny.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** Environmental Tactics (ET) – Roberto Uribe.<br>**Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, Ernest Beck Jr., & two labor/operators. |
| **Visitors:** | NJMC – Bill Spencer, Fawzia Shapiro. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- B&B continued segregation of metal from the building 18 and sizing of metal using CAT 240 with shear attachment;
- B&B continued torch cutting of metal tanks to prepare for shipment. A hot work permit was issued by Chemtron for the operation;
- B&B continued removal of debris/flakes within the cone/cups in Fractionating Column. Removed materials were transferred into 55 gallon drums. Pending removal of remaining debris;
- ET collected samples of Unknown materials found sandwiched within the fractionating column in Building 18. Samples will be analyzed for NIOSH Method 7400 Phase Contrast Microscopy (PCM);

**Shipments:**
- Two truck loads of scrap metal was shipped off-site. Bill of ladings were provided with the shipments. The scrap was sent to Gerdau Amersteel smelting facility in Sayreville, NJ;

**Air Monitoring:**
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/B&B work began to assure operation status of PID and Dust monitoring. Due to windy conditions, dust from areas upwind of Track 2 was blowing dust into the Track 2 area. High dust readings were recorded in the upwind station, however were less than the 15 minute average DAL. B&B sprayed water in the upwind areas on-site to minimize nuisance dust;
- VOC & Dust air monitors were shut down at end of the day after Chemtron/B&B stopped work for the day;

**Others/Issues:**

- NJMC on-site to inspect HCTS building and site fill operations;
- During shear & torch cutting operation, B&B cut the fractionating column metal. A brown rusty powder from the cones in the column was sprayed onto the tracking pad gravel. KEY indicated that the metal from the column and any tanks that have discolored debris/dust will need to be sweeped and rinsed to clear any potentially contaminated materials prior to being sent to smelting facility. B&B plan to use an existing tank as a rinse/wash container and the generated water will be containerized for appropriate management;
- Excess 3/8" stone (approx. 230 CY) was available on-site. With PRG's approval, Chemtron plan to use the material in Track 2 area grading beneath capillary break;
- *Residue/cake from the bottom of condenser pipes/plates in Still to be removed and tank re-washed prior to conducting any sizing of the metal tank;*
- *Volume of wood from Building 15: In-place – 37 CY; Disposal – 120 CY. B&B indicated typical bulking factor for wood was 3x and for concrete was 1.5x;*
- *KEY notified Chemtron that the materials provided by WRS for the construction of capillary break in the process area were staged in the Diamond eastern parking lot.* WRS was observed using 1.5" stone materials from the stockpile. Volume provided to be recalculated*;*
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss;*
- *B&B/Chemtron provided a clean fill certification letter and analytical results for the clean RCA being imported from a NJDEP approved Class B recycling facility. The certification indicated that the material was clean. KEY requested for supporting analytical results;*
- *Chemtron notified that roll-off with non-friable ACM from Buildings 15, 17 & 21 that were shipped out on 11/29/11 encountered an accident enroute and were subject to emergency response. Chemtron plans to double-check the roll-off contents prior to shipment to the final disposal destination;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 31$^{o}$F to 46$^{o}$F, partly cloudy/sunny.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** N/a. |
| | **Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, Ernest Beck Jr., & two labor/operators. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- B&B continued torch cutting of metal tanks to prepare for shipment. A hot work permit was issued by Chemtron for the operation;
- B&B sweeped out debris/flakes within the last section of the Fractionating Column. Removed materials were transferred into 55 gallon drums;
- B&B continued shear cutting of Building 18 tanks and piping to size the material for off-site shipment using a shear attachment machine CAT 240 and/or a propane torch;
- B&B/Chemtron conducted washout/rinsing of metal from fractionating column in preparation of shipment. Dust/debris from the column was sweeped and removed. Subsequently, metal was cut down to manageable sizes and then rinsed with water. A portion of an existing tank was used to conduct the washout;
- B&B conducted removal of cake/residue from the Building 18 Still found beneath the condenser plates. Material removed was transferred into 6 drums;
- B&B sprayed water in the area upwind of track 2 to minimize nuisance dust;

**Shipments:**
- Two truck loads of scrap metal was shipped off-site. Bill of ladings were provided with the shipments. The scrap was sent to Gerdau Amersteel smelting facility in Sayreville, NJ;

**Air Monitoring:**
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/B&B work began to assure operation status of PID and Dust monitoring. Due to equipment malfunction north-west dustrak and south-east PID & dustrak were not working;
- VOC & Dust air monitors were shut down at end of the day after Chemtron/B&B stopped work for the day;

- FEI was on-site to repair/service AMP equipment. The south-east station was fixed, however, north-west dustrak could not be fixed. FEI plan to ship a replacement dustrak;

**Others/Issues:**

- *Excess 3/8" stone (approx. 230 CY) was available on-site. With PRG's approval, Chemtron plan to use the material in Track 2 area grading beneath capillary break;*
- *Residue/cake from the bottom of condenser pipes/plates in Still to be removed and tank re-washed prior to conducting any sizing of the metal tank;*
- *Volume of wood from Building 15: In-place – 37 CY; Disposal – 120 CY. B&B indicated typical bulking factor for wood was 3x and for concrete was 1.5x;*
- *KEY notified Chemtron that the materials provided by WRS for the construction of capillary break in the process area were staged in the Diamond eastern parking lot.* WRS was observed using 1.5" stone materials from the stockpile. Volume provided to be recalculated*;*
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss;*
- *B&B/Chemtron provided a clean fill certification letter and analytical results for the clean RCA being imported from a NJDEP approved Class B recycling facility. The certification indicated that the material was clean. KEY requested for supporting analytical results;*
- *Chemtron notified that roll-off with non-friable ACM from Buildings 15, 17 & 21 that were shipped out on 11/29/11 encountered an accident enroute and were subject to emergency response. Chemtron plans to double-check the roll-off contents prior to shipment to the final disposal destination;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 25°F to 48°F, sunny.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Steven Bagnull (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** N/a. |
| | **Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, Ernest Beck Jr., & two labor/operators. |
| **Visitors:** | William Scotsman – Brian Sacks. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- B&B continued torch cutting of metal tanks to prepare for shipment. A hot work permit was issued by Chemtron for the operation;
- B&B sweeped out debris/flakes from receiving tanks in Building 18. Removed materials were transferred into 55 gallon drums;
- B&B continued shear cutting of Building 18 tanks and piping to size the material for off-site shipment using a shear attachment machine CAT 240 and/or a propane torch;
- Equipment washout water was transferred into drum and the temporary washout tank was cut down to manageable sizes and then rinsed with water;
- B&B continued removal of cake/residue from the Building 18 Still found beneath the condenser plates. Material removed was transferred into 6 drums. Subsequently, the Still was rinsed with water. KEY requested thorough removal of cake/residue from the Still;
- B&B demolished remaining portion of metal truss Building 15 structure. Started cutting metal beams from the grounded structure;
- B&B sprayed water in the Building 15 demolition area to suppress dust and upwind of track 2 to minimize nuisance dust;

**Shipments:**
- Two truck loads of scrap metal was shipped off-site. Bill of ladings were provided with the shipments. The scrap was sent to Gerdau Amersteel smelting facility in Sayreville, NJ;

**Air Monitoring:**
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/B&B work began to assure operation status of PID and Dust monitoring. Due to equipment malfunction, dustrak on north-west station was not

working. High readings above the DAL were recorded in the NE dustrak. The contractor was notified and dust suppression activities including spraying of water using water truck were continued by the contractor. The readings subsided in less than 15 minutes;
- VOC & Dust air monitors were shut down at end of the day after Chemtron/B&B stopped work for the day;

**Others/Issues:**
- Weekly conference call was conducted with PRG and KEY;
- PRG requested to place the excess silty ¾" stone into the Track 2 area as a leveling lift to bridge any low lying areas;
- William Scotsman inspected the WRS and KEY trailer as part of the transfer of lease from WRS to Chemtron;
- *Excess 3/8" stone (approx. 230 CY) was available on-site. With PRG's approval, Chemtron plan to use the material in Track 2 area grading beneath capillary break;*
- *Residue/cake from the bottom of condenser pipes/plates in Still to be removed and tank re-washed prior to conducting any sizing of the metal tank;*
- *Volume of wood from Building 15: In-place – 37 CY; Disposal – 120 CY. B&B indicated typical bulking factor for wood was 3x and for concrete was 1.5x;*
- *KEY notified Chemtron that the materials provided by WRS for the construction of capillary break in the process area were staged in the Diamond eastern parking lot.* WRS was observed using 1.5" stone materials from the stockpile. Volume provided to be recalculated*;*
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss;*
- *B&B/Chemtron provided a clean fill certification letter and analytical results for the clean RCA being imported from a NJDEP approved Class B recycling facility. The certification indicated that the material was clean. KEY requested for supporting analytical results;*
- *Chemtron notified that roll-off with non-friable ACM from Buildings 15, 17 & 21 that were shipped out on 11/29/11 encountered an accident enroute and were subject to emergency response. Chemtron plans to double-check the roll-off contents prior to shipment to the final disposal destination;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 44°F to 46°F, overcast.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP), Alan Briggs. |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** N/a. |
| | **Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, Ernest Beck Jr., & two labor/operators. |
| **Visitors:** | Baker Tanks – Chris Stifnagle |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- B&B continued torch cutting of metal tanks to prepare for shipment. A hot work permit was issued by Chemtron for the operation;
- B&B conducted torch cutting of receiving tanks from Building 18 to prepare for shipment;
- B&B continued shear cutting of Building 18 tanks to size the material for off-site shipment using a shear attachment machine CAT 240 and/or a propane torch;
- Equipment washout water was transferred into drum;
- B&B continued removal of cake/residue from the Building 18 Still found beneath the condenser plates. Material removed was transferred into 6 drums. The Still was rinsed with water 3rd time to remove/caputure the debris/residue. KEY requested thorough removal of cake/residue from the Still;
- B&B started shear removal of metal trusses and hoppers from the demolished Building 15 structure;
- B&B sprayed water in the Building 15 demolition/shear cutting area to suppress dust during the activity;
- B&B removed some of the metal pieces in the tracking pad and regraded the tracking pad;

**Shipments:**
- One load of scrap metal shipped off-site yesterday 12/19/11 was rejected by the smelting facility due to oversize material (size greater than 5'x2'). The load was brought back to the site and prepared by B&B. Metal was cut down to ensure the appropriate size was maintained. The metal was reloaded and shipped off-site on the same bill of lading. Load send to Gerdau Ameristeel smelting facility in Sayreville, NJ;
- A second load of scrap metal was shipped off-site. Bill of ladings were provided with the shipment. The scrap was sent to Gerdau Amersteel smelting facility in Sayreville, NJ;

**Air Monitoring:**

- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/B&B work began to assure operation status of PID and Dust monitoring. A new dustrak was received and installed on the north-west station to replace the malfunction equipment;
- VOC & Dust air monitors were shut down at end of the day after Chemtron/B&B stopped work for the day;

**Others/Issues:**
- Weekly conference call was conducted with PRG, KEY and WRS;
- Alan Briggs/KEY was on-site for inspection of completed activities;
- Baker Tank representative inspected the five (5) baker tanks that contain sludge as part of the transfer of tank rental account from WRS to Chemtron;
- *PRG requested to place the excess silty ¾" stone into the Track 2 area as a leveling lift to bridge any low lying areas;*
- *Excess 3/8" stone (approx. 230 CY) was available on-site. With PRG's approval, Chemtron plan to use the material in Track 2 area grading beneath capillary break;*
- *Residue/cake from the bottom of condenser pipes/plates in Still to be removed and tank re-washed prior to conducting any sizing of the metal tank;*
- *Volume of wood from Building 15: In-place – 37 CY; Disposal – 120 CY. B&B indicated typical bulking factor for wood was 3x and for concrete was 1.5x;*
- *KEY notified Chemtron that the materials provided by WRS for the construction of capillary break in the process area were staged in the Diamond eastern parking lot.* WRS was observed using 1.5" stone materials from the stockpile. Volume provided to be recalculated*;*
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss;*
- *B&B/Chemtron provided a clean fill certification letter and analytical results for the clean RCA being imported from a NJDEP approved Class B recycling facility. The certification indicated that the material was clean. KEY requested for supporting analytical results;*
- *Chemtron notified that roll-off with non-friable ACM from Buildings 15, 17 & 21 that were shipped out on 11/29/11 encountered an accident enroute and were subject to emergency response. Chemtron plans to double-check the roll-off contents prior to shipment to the final disposal destination;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 42°F to 55°F, overcast/showers.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** N/a. |
| | **Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, Ernest Beck Jr., & three labor/operators. |
| **Visitors:** | William Scotsman, Freehold Carting Inc. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- B&B continued torch cutting of metal tanks to prepare for shipment. A hot work permit was issued by Chemtron for the operation. Debris from the tank were removed and placed into drum prior to cutting;
- B&B conducted torch cutting of Condenser tanks from Building 18 to prepare for shipment. Debris from the tank were removed and placed into drum prior to cutting;
- B&B continued shear cutting of Building 15 hoppers and metal frames to size the material for off-site shipment using a shear attachment machine CAT 240;
- Equipment washout water was transferred into drum;
- B&B continued scrapping of cake/residue from the Building 18 Still found beneath the condenser plates. A power washer equipment was used to wash the Still. Material removed was transferred into drums and the wash out water transferred into drums;
- B&B labor hand-picked metal pieces/piping from the tracking pad area;

**Shipments:**
- One (1) 30 CY roll-off box containing Building 18 non-friable asbestos containing materials was shipped out to off-site disposal facility EQ – Wayne Disposal, Belleville, MI;
- Two (2) 30 CY roll-off boxes containing Buildings 15, 17 & 21 non-friable asbestos containing materials was shipped out the off-site disposal facility Envirosafe Services of Ohio;

**Air Monitoring:**
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/B&B work began to assure operation status of PID and Dust monitoring. South-east dustrak was malfunction;
- VOC & Dust air monitors were shut down at end of the day after Chemtron/B&B stopped work for the day;

**Others/Issues:**
- William Scotsman changed the locks on the former WRS' and KEY trailers. Subsequently, Chemtron took over WRS' trailer. The old Chemtron/Precision trailer was demobilized;
- A B&B's union labor bruised his finger during a power wash activity. First aid was applied and the labor resumed work. Chemtron completed an incident report (see file);
- *PRG requested to place the excess silty ¾" stone into the Track 2 area as a leveling lift to bridge any low lying areas;*
- *Excess 3/8" stone (approx. 230 CY) was available on-site. With PRG's approval, Chemtron plan to use the material in Track 2 area grading beneath capillary break;*
- *Residue/cake from the bottom of condenser pipes/plates in Still to be removed and tank re-washed prior to conducting any sizing of the metal tank;*
- *Volume of wood from Building 15: In-place – 37 CY; Disposal – 120 CY. B&B indicated typical bulking factor for wood was 3x and for concrete was 1.5x;*
- *KEY notified Chemtron that the materials provided by WRS for the construction of capillary break in the process area were staged in the Diamond eastern parking lot.* WRS was observed using 1.5" stone materials from the stockpile. Volume provided to be recalculated*;*
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss;*
- *B&B/Chemtron provided a clean fill certification letter and analytical results for the clean RCA being imported from a NJDEP approved Class B recycling facility. The certification indicated that the material was clean. KEY requested for supporting analytical results;*
- *Chemtron notified that roll-off with non-friable ACM from Buildings 15, 17 & 21 that were shipped out on 11/29/11 encountered an accident enroute and were subject to emergency response. Chemtron plans to double-check the roll-off contents prior to shipment to the final disposal destination;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 47$^{o}$F to 61$^{o}$F, sunny.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jaeson Pieretti (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** N/a. |
| | **Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, Ernest Beck Jr., & two labor/operators. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Chemtron issued a hot work permit for the torch cutting operation;
- B&B conducted torch cutting of Condenser tanks from Building 18 to prepare for shipment. Debris from the tank were removed and placed into drum prior to cutting;
- B&B continued shear cutting of Building 15 hoppers and metal frames to size the material for off-site shipment using a shear attachment machine CAT 240;
- B&B sprayed water during shear cutting of Building 15 hopper metals;
- B&B start torch cutting of the Building 18 Still tank to size metal for shipment to smelter;
- Chemtron/B&B started packaging of filter socks from the TCTS operation into gaylords in preparation of off-site shipment;

**Shipments:**
- Two 30 CY rolloff boxes containing Building 18 non-friable asbestos containing materials were shipped out to off-site disposal facility EQ – Wayne Disposal, Belleville, MI;
- One load of scrap metal was shipped off-site. Bill of lading was provided with the shipment. The scrap was sent to Gerdau Amersteel smelting facility in Sayreville, NJ;

**Air Monitoring:**
- KEY AMP scientist arrived on-site one (1) hour prior to Chemtron/B&B work began to assure operation status of PID and Dust monitoring. South-east dustrak modem was malfunction since yesterday. The modem was replaced today and host unit started logging data from south-east station. After end of B&B site activity, the south-east PID recorded concentrations exceeding the DAL. The readings went down after several minutes. The high readings were accounted towards equipment malfunction;

- VOC & Dust air monitors were shut down at end of the day after Chemtron/B&B stopped work for the day;

**Others/Issues:**
- Weekly demolition conference call was conducted with PRG, KEY, Chemtron & B&B;
- *PRG requested to place the excess silty ¾" stone into the Track 2 area as a leveling lift to bridge any low lying areas;*
- *Excess 3/8" stone (approx. 230 CY) was available on-site. With PRG's approval, Chemtron plan to use the material in Track 2 area grading beneath capillary break;*
- *Residue/cake from the bottom of condenser pipes/plates in Still to be removed and tank re-washed prior to conducting any sizing of the metal tank;*
- *Volume of wood from Building 15: In-place – 37 CY; Disposal – 120 CY. B&B indicated typical bulking factor for wood was 3x and for concrete was 1.5x;*
- *KEY notified Chemtron that the materials provided by WRS for the construction of capillary break in the process area were staged in the Diamond eastern parking lot.* WRS was observed using 1.5" stone materials from the stockpile. Volume provided to be recalculated*;*
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss;*
- *B&B/Chemtron provided a clean fill certification letter and analytical results for the clean RCA being imported from a NJDEP approved Class B recycling facility. The certification indicated that the material was clean. KEY requested for supporting analytical results;*
- *Chemtron notified that roll-off with non-friable ACM from Buildings 15, 17 & 21 that were shipped out on 11/29/11 encountered an accident enroute and were subject to emergency response. Chemtron plans to double-check the roll-off contents prior to shipment to the final disposal destination;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 36°F to 51°F, partly cloudy/sun.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jaeson Pieretti (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **KEY:** Field Environmental – Mike Waltman, Tony.<br>**Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, Ernest Beck Jr., & two labor/operators. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- B&B continued cutting/munching of Building 15 hoppers and metal frames to size the material for off-site shipment using a munch/grapple attachment machine Komatsu PC 220;
- Chemtron/B&B packaged drums containing Hazardous/non-haz waste with poly sheeting. Drums were labeled and checked for visual evidence of leaks/damage;
- B&B demobilized Komatsu 240 with shear attachment;
- Chemtron/B&B stopped demolition activities at approximately 11 am and started checked areas before leaving. Specific area/entrance were taped off before leaving the site;

**Shipments:**
- One 30 CY rolloff box containing Building 18 non-friable asbestos containing materials was shipped out to off-site disposal facility EQ – Wayne Disposal, Belleville, MI;
- Two 30 CY rolloff box containing Building 15 wood was shipped out to off-site disposal facility EQ – Michigan Disposal Waste Treatment Plant, Belleville, MI;

**Air Monitoring:**
- KEY AMP engineer arrived on-site one (1) hour prior to Chemtron/B&B work began to assure operation status of PID and Dust monitoring. Due to equipment malfunction, high readings were recorded in the AM from the south-east station;
- VOC & Dust air monitors were shut down starting 11 am to 12 noon. FEI was on-site to demobilize the AMP;

**Others/Issues:**

*- PRG requested to place the excess silty ¾" stone into the Track 2 area as a leveling lift to bridge any low lying areas;*
*- Excess 3/8" stone (approx. 230 CY) was available on-site. With PRG's approval, Chemtron plan to use the material in Track 2 area grading beneath capillary break;*
*- Residue/cake from the bottom of condenser pipes/plates in Still to be removed and tank re-washed prior to conducting any sizing of the metal tank;*
- *Volume of wood from Building 15: In-place – 37 CY; Disposal – 120 CY. B&B indicated typical bulking factor for wood was 3x and for concrete was 1.5x;*
- *KEY notified Chemtron that the materials provided by WRS for the construction of capillary break in the process area were staged in the Diamond eastern parking lot.* WRS was observed using 1.5" stone materials from the stockpile. Volume provided to be recalculated*;*
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss;*
- *B&B/Chemtron provided a clean fill certification letter and analytical results for the clean RCA being imported from a NJDEP approved Class B recycling facility. The certification indicated that the material was clean. KEY requested for supporting analytical results;*
- *Chemtron notified that roll-off with non-friable ACM from Buildings 15, 17 & 21 that were shipped out on 11/29/11 encountered an accident enroute and were subject to emergency response. Chemtron plans to double-check the roll-off contents prior to shipment to the final disposal destination;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 36$^{o}$F to 51$^{o}$F, partly cloudy/sun.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Mike Perry. |
| **Subcontractors:** | **KEY:** Field Environmental Instruments – Mike Waltman, Tim Chonko.<br><br>**Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, & two labor/operators. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Chemtron issued a hot work permit for the torch cutting operation;
- B&B conducted torch cutting of Condenser/Still tanks from Building 18 to prepare for shipment. Debris from the tank were removed and placed into drum prior to cutting;
- B&B continued cutting/munching of Building 15 hoppers and metal frames to size the material for off-site shipment using a munch/grapple attachment machine Komatsu PC 220;

**Shipments:**
- Two truck loads of scrap metal was shipped off-site. Bill of ladings were provided with the shipment. The scrap was sent to Gerdau Amersteel smelting facility in Sayreville, NJ;

**Air Monitoring:**
- FEI was on-site to mobilize the AMP equipment and setup the stations. By end of the day all 5-stations were setup and functional;
- KEY AMP engineer arrived on-site to coordinate with FEI and check on the operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Chemtron/B&B stopped work for the day;

**Others/Issues:**
*- PRG requested to place the excess silty ¾" stone into the Track 2 area as a leveling lift to bridge any low lying areas;*

*- Excess 3/8" stone (approx. 230 CY) was available on-site. With PRG's approval, Chemtron plan to use the material in Track 2 area grading beneath capillary break;*
*- Residue/cake from the bottom of condenser pipes/plates in Still to be removed and tank re-washed prior to conducting any sizing of the metal tank;*
- *Volume of wood from Building 15: In-place – 37 CY; Disposal – 120 CY. B&B indicated typical bulking factor for wood was 3x and for concrete was 1.5x;*
- *KEY notified Chemtron that the materials provided by WRS for the construction of capillary break in the process area were staged in the Diamond eastern parking lot.* WRS was observed using 1.5" stone materials from the stockpile. Volume provided to be recalculated*;*
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss;*
- *B&B/Chemtron provided a clean fill certification letter and analytical results for the clean RCA being imported from a NJDEP approved Class B recycling facility. The certification indicated that the material was clean. KEY requested for supporting analytical results;*
- *Chemtron notified that roll-off with non-friable ACM from Buildings 15, 17 & 21 that were shipped out on 11/29/11 encountered an accident enroute and were subject to emergency response. Chemtron plans to double-check the roll-off contents prior to shipment to the final disposal destination;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 12$^{o}$F to 27$^{o}$F, sun/overcast.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Mike Perry. |
| **Subcontractors:** | **KEY:** N/a. |
| | **Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, & three labor/operators. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Chemtron issued a hot work permit for the torch cutting operation;
- B&B conducted torch cutting of Condenser from Building 18 and tanks outside the building 18 to prepare for shipment;
- B&B continued cutting/munching of Building 15 hoppers and metal frames to size the material for off-site shipment using a munch/grapple attachment machine Komatsu PC 220;
- B&B started loading concrete from Building 17 into roll-off boxes and staged the boxes in preparation for shipment. The boxes were lined with plastic prior to loading. Concrete chucks with rebar protruding were segregated and stockpiled separately in order to remove the protruding rebar prior to shipment;
- B&B continued cutting wood from Building 15 in preparation for disposal and loaded the wood into roll-off boxes. Two small piles of miscellaneous materials were added into the rolloff box;

**Shipments:**
- Three 30 CY rolloff boxes containing Building 17 concrete/brick/masonry was shipped out to off-site disposal facility EQ – Michigan Disposal Waste Treatment Plant, Belleville, MI. Boxes were only filled half (~15 CY) to meet weight limitations;

**Air Monitoring:**
- KEY AMP scientist arrived on-site 1–hour prior to start of work to check on the operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Chemtron/B&B stopped work for the day;

**Others/Issues:**

*- PRG requested to place the excess silty ¾" stone into the Track 2 area as a leveling lift to bridge any low lying areas;*
*- Excess 3/8" stone (approx. 230 CY) was available on-site. With PRG's approval, Chemtron plan to use the material in Track 2 area grading beneath capillary break;*
*- Residue/cake from the bottom of condenser pipes/plates in Still to be removed and tank re-washed prior to conducting any sizing of the metal tank;*
- *Volume of wood from Building 15: In-place – 37 CY; Disposal – 120 CY. B&B indicated typical bulking factor for wood was 3x and for concrete was 1.5x;*
- *KEY notified Chemtron that the materials provided by WRS for the construction of capillary break in the process area were staged in the Diamond eastern parking lot.* WRS was observed using 1.5" stone materials from the stockpile. Volume provided to be recalculated*;*
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss;*
- *B&B/Chemtron provided a clean fill certification letter and analytical results for the clean RCA being imported from a NJDEP approved Class B recycling facility. The certification indicated that the material was clean. KEY requested for supporting analytical results;*
- *Chemtron notified that roll-off with non-friable ACM from Buildings 15, 17 & 21 that were shipped out on 11/29/11 encountered an accident enroute and were subject to emergency response. Chemtron plans to double-check the roll-off contents prior to shipment to the final disposal destination;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 26°F to 39°F, sun/overcast.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Mike Perry. |
| **Subcontractors:** | **KEY:** N/a. |
| | **Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, & three labor/operators. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Chemtron issued a hot work permit for the torch cutting operation;
- B&B conducted torch cutting of Condenser from Building 18 and tanks outside the building 18 to prepare for shipment;
- B&B continued cutting/munching of Building 15 hoppers and metal frames to size the material for off-site shipment using a munch/grapple attachment machine Komatsu PC 220;
- B&B continued loading concrete from Building 17 into roll-off boxes and staged the boxes in preparation for shipment. The boxes were lined with plastic prior to loading. Concrete chucks with rebar protruding were segregated and stockpiled separately in order to remove the protruding rebar prior to shipment;
- B&B started placing the silted gravel in low areas in preparation of subgrade for capillary break. Also started regrading of the stone placed as tracking pad. KEY indicated that pieces of metal and any debris should be removed from the tracking pad prior to leveling/regrading;

**Shipments:**
- Three 30 CY rolloff boxes containing Building 17 concrete/brick/masonry were shipped out to off-site disposal facility EQ – Wayne Disposal, Belleville, MI. Boxes were only filled half (~15 CY) to meet weight limitations;
- Two 30 CY rolloff boxes containing Building 15 wood were shipped out to off-site disposal facility EQ – Michigan Disposal Waste Treatment Plant, Belleville, MI;

**Air Monitoring:**
- KEY AMP scientist arrived on-site 1–hour prior to start of work to check on the operation status of PID and Dust monitoring;

- VOC & Dust air monitors were shut down at end of the day after Chemtron/B&B stopped work for the day;

**Others/Issues:**
- Weekly demo conference call was conducted with PRG, KEY and Chemtron;
- *PRG requested to place the excess silty ¾" stone into the Track 2 area as a leveling lift to bridge any low lying areas;*
- *Excess 3/8" stone (approx. 230 CY) was available on-site. With PRG's approval, Chemtron plan to use the material in Track 2 area grading beneath capillary break;*
- *Volume of wood from Building 15: In-place – 37 CY; Disposal – 120 CY. B&B indicated typical bulking factor for wood was 3x and for concrete was 1.5x;*
- *KEY notified Chemtron that the materials provided by WRS for the construction of capillary break in the process area were staged in the Diamond eastern parking lot.* The volume provided by WRS was for installation of capillary break in the process area outside the building footprints. As such KEY indicated to Chemtron that any additional stone required for the completion of capillary break to be procured by Chemtron*;*
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss.* Chemtron amended the profile for Concrete and will be disposing the pumps & control panels along with the concrete materials*;*
- *B&B/Chemtron provided a clean fill certification letter and analytical results for the clean RCA being imported from a NJDEP approved Class B recycling facility. The certification indicated that the material was clean. KEY requested for supporting analytical results.* Chemtron obtained data from Atak Trucking and provided data applicable for the material. The results were less than NJDEP Residential Criteria and were acceptable to PRG provided the data was applicable to the material. Atak Trucking provided a letter indicating the data was applicable to the material provided;
- *Chemtron notified that roll-off with non-friable ACM from Buildings 15, 17 & 21 that were shipped out on 11/29/11 encountered an accident enroute and were subject to emergency response.* Chemtron reported that the rolloffs were checked and material disposed. An incident report was provided by Chemtron. Additional information was requested on the details included in the incident report;
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 32$^{o}$F to 54$^{o}$F, sun/overcast.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Mike Perry. |
| **Subcontractors:** | **KEY:** N/a. |
| | **Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, & three labor/operators. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Chemtron issued a hot work permit for the torch cutting operation;
- B&B conducted torch cutting of Condenser from Building 18 and tanks outside the building 18 to prepare for shipment;
- B&B continued cutting/munching of Building 15 hoppers and metal frames to size the material for off-site shipment using a munch/grapple attachment machine Komatsu PC 220;
- B&B continued loading concrete from Building 17 into roll-off boxes and shipped off-site. The boxes were lined with plastic prior to loading. Concrete chucks with rebar protruding were segregated and stockpiled separately in order to remove the protruding rebar prior to shipment;
- B&B started placing the silted gravel in low areas in preparation of subgrade for capillary break. Also started regrading of the stone placed as tracking pad. Pieces of metal and debris were being removed from the tracking pad prior to leveling/regrading;

**Shipments:**
- Three 30 CY rolloff boxes containing Building 17 concrete/brick/masonry were shipped out to off-site disposal facility EQ – Wayne Disposal, Belleville, MI. Boxes were only filled half (~15 CY) to meet weight limitations;

**Air Monitoring:**
- KEY AMP scientist arrived on-site 1–hour prior to start of work to check on the operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Chemtron/B&B stopped work for the day;

**Others/Issues:**

- KEY provided approval for the installation of concrete cap on top of Building 18 slab. Chemtron anticipate scheduling the installation on Monday;
- *PRG requested to place the excess silty ¾" stone into the Track 2 area as a leveling lift to bridge any low lying areas;*
- *Excess 3/8" stone (approx. 230 CY) was available on-site. With PRG's approval, Chemtron plan to use the material in Track 2 area grading beneath capillary break;*
- *Volume of wood from Building 15: In-place – 37 CY; Disposal – 120 CY. B&B indicated typical bulking factor for wood was 3x and for concrete was 1.5x;*
- *KEY notified Chemtron that the materials provided by WRS for the construction of capillary break in the process area were staged in the Diamond eastern parking lot. The volume provided by WRS was for installation of capillary break in the process area outside the building footprints. As such KEY indicated to Chemtron that any additional stone required for the completion of capillary break to be procured by Chemtron.* KEY to discuss with PRG on the approval for additional stone or if capillary not be installed on building footprints*;*
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss. Chemtron amended the profile for Concrete and will be disposing the pumps & control panels along with the concrete materials;*
- *Chemtron to provide additional information on the details included in the incident report;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 33$^{o}$F to 48$^{o}$F, sun/cloudy, windy.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Mike Perry. |
| **Subcontractors:** | **KEY:** N/a. |
| | **Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, & three labor/operators. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Chemtron issued a hot work permit for the torch cutting operation;
- B&B conducted torch cutting of Condenser from Building 18 and tanks outside the building 18 to prepare for shipment;
- B&B continued cutting/munching of Building 15 hoppers and metal frames to size the material for off-site shipment using a munch/grapple attachment machine Komatsu PC 220;
- B&B continued loading concrete from Building 17 into roll-off boxes and shipped off-site. The boxes were lined with plastic prior to loading. Concrete chucks with rebar protruding were segregated and stockpiled separately in order to remove the protruding rebar prior to shipment;
- B&B continued placing the silted gravel in low areas in preparation of subgrade for capillary break. Also regraded the stone placed as tracking pad. Pieces of metal and debris were being removed from the tracking pad prior to leveling/regrading;

**Shipments:**
- One load of scrap metal was shipped off-site. Bill of lading was provided with the shipment. The scrap was sent to Gerdau Amersteel smelting facility in Sayreville, NJ;

**Air Monitoring:**
- KEY AMP scientist arrived on-site 1–hour prior to start of work to check on the operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Chemtron/B&B stopped work for the day;

**Others/Issues:**

*- PRG requested to place the excess silty ¾" stone into the Track 2 area as a leveling lift to bridge any low lying areas;*
*- Excess 3/8" stone (approx. 230 CY) was available on-site. With PRG's approval, Chemtron plan to use the material in Track 2 area grading beneath capillary break;*
*- Volume of wood from Building 15: In-place – 37 CY; Disposal – 120 CY. B&B indicated typical bulking factor for wood was 3x and for concrete was 1.5x;*
*- KEY notified Chemtron that the materials provided by WRS for the construction of capillary break in the process area were staged in the Diamond eastern parking lot. The volume provided by WRS was for installation of capillary break in the process area outside the building footprints. As such KEY indicated to Chemtron that any additional stone required for the completion of capillary break to be procured by Chemtron.* KEY to discuss with PRG on the approval for additional stone or if capillary not be installed on building footprints*;*
*- As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
*- Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss. Chemtron amended the profile for Concrete and will be disposing the pumps & control panels along with the concrete materials;*
*- Chemtron to provide additional information on the details included in the incident report;*
*- A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 29$^{o}$F to 41$^{o}$F, sun/partly cloudy.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Mike Perry. |
| **Subcontractors:** | **KEY:** N/a. |
| | **Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, & three labor/operators. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Chemtron issued a hot work permit for the torch cutting operation;
- B&B conducted torch cutting of Condenser from Building 18 and tanks outside the building 18 to prepare for shipment;
- B&B continued cutting/munching of Building 15 hoppers and metal frames to size the material for off-site shipment using a munch/grapple attachment machine Komatsu PC 220;
- B&B continued loading concrete from Building 17 into roll-off boxes and shipped off-site. The boxes were lined with plastic prior to loading. Concrete chucks with rebar protruding were segregated and stockpiled separately in order to remove the protruding rebar prior to shipment;
- B&B continued placing the silted gravel in low areas in preparation of subgrade for capillary break. Also regraded the stone placed as tracking pad;
- B&B segregated the dielectric oil from the Bldg 18 switch box and transferred into a 55-gal drum. The switch box carcass is proposed to be transferred into a Gaylord for subsequent disposal;
- B&B munched concrete equipment pads and tank cradles using a munch attachment on Komatsu PC220;
- B&B munched concrete debris from Bldg 17 and 21 and segregated rebar from the concrete debris;
- B&B munched concrete tank cradles east of Bldg 21 and north of Bldg 18 using the munch attachment on Komatsu PC220;

**Shipments:**
- One load of scrap metal was shipped off-site. Bill of lading was provided with the shipment. The scrap was sent to Gerdau Amersteel smelting facility in Sayreville, NJ;
- One 30 CY rolloff box containing Building 17 concrete/brick/masonry was shipped out to off-site disposal facility EQ – Wayne Disposal, Belleville, MI. Box was only filled half (~15 CY) to meet weight limitations;

**Air Monitoring:**
- KEY AMP scientist arrived on-site 1–hour prior to start of work to check on the operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Chemtron/B&B stopped work for the day;

**Others/Issues:**
- Weekly conference call was conducted with PRG and KEY to discuss site activities;
- *PRG requested to place the excess silty ¾" stone into the Track 2 area as a leveling lift to bridge any low lying areas;*
- *Excess 3/8" stone (approx. 230 CY) was available on-site. With PRG's approval, Chemtron plan to use the material in Track 2 area grading beneath capillary break;*
- *Volume of wood from Building 15: In-place – 37 CY; Disposal – 120 CY. B&B indicated typical bulking factor for wood was 3x and for concrete was 1.5x;*
- *KEY notified Chemtron that the materials provided by WRS for the construction of capillary break in the process area were staged in the Diamond eastern parking lot. The volume provided by WRS was for installation of capillary break in the process area outside the building footprints. As such KEY indicated to Chemtron that any additional stone required for the completion of capillary break to be procured by Chemtron.* KEY to discuss with PRG on the approval for additional stone or if capillary not be installed on building footprints*;*
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss. Chemtron amended the profile for Concrete and will be disposing the pumps & control panels along with the concrete materials;*
- *Chemtron to provide additional information on the details included in the incident report;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 31$^{o}$F to 47$^{o}$F, sun/partly cloudy.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Mike Perry. |
| **Subcontractors:** | **KEY:** N/a. |
| | **Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, & three labor/operators. |
| **Visitors:** | PSE&G. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Chemtron issued a hot work permit for the torch cutting operation;
- B&B conducted torch cutting of Condenser from Building 18 and tanks outside the building 18 to prepare for shipment;
- B&B continued cutting/munching of Building 15 hoppers to size the material for off-site shipment using a munch/grapple attachment machine Komatsu PC 220;
- B&B continued loading concrete from Building 17 & Building 18 into roll-off boxes and shipped off-site. The boxes were lined with plastic prior to loading. Concrete chucks with rebar protruding were segregated and stockpiled separately in order to remove the protruding rebar prior to shipment;
- B&B continued placing the 3/8" stone mixed with sand in low areas in preparation of subgrade for capillary break. Also regraded the stone placed as tracking pad;
- B&B continued munching of concrete equipment pads and tank cradles using a munch attachment on Komatsu PC220;
- B&B backfilled sump under Still in Bldg 18 with 3/8" stone mixed with sand and compacted using excavator bucket;

**Shipments:**
- One load of scrap metal was shipped off-site. Bill of lading was provided with the shipment. The scrap was sent to Gerdau Amersteel smelting facility in Sayreville, NJ;
- One 30 CY rolloff box containing Building 17 concrete/brick/masonry was shipped out to off-site disposal facility EQ – Wayne Disposal, Belleville, MI. Box was only filled half (~15 CY) to meet weight limitations;

**Air Monitoring:**

- KEY AMP scientist arrived on-site 1–hour prior to start of work to check on the operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Chemtron/B&B stopped work for the day;

**Others/Issues:**

- PSE&G was on-site to remove meter on Bldg 12. The meter was not removed as PSEG will need to remove the service drop and switch gear before removal of meter;
- *Excess 3/8" stone (approx. 230 CY) was available on-site. With PRG's approval, Chemtron plan to use the material in Track 2 area grading beneath capillary break;*
- *Volume of wood from Building 15: In-place – 37 CY; Disposal – 120 CY. B&B indicated typical bulking factor for wood was 3x and for concrete was 1.5x;*
- *KEY notified Chemtron that the materials provided by WRS for the construction of capillary break in the process area were staged in the Diamond eastern parking lot. The volume provided by WRS was for installation of capillary break in the process area outside the building footprints. As such KEY indicated to Chemtron that any additional stone required for the completion of capillary break to be procured by Chemtron.* KEY to discuss with PRG on the approval for additional stone or if capillary not be installed on building footprints*;*
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss. Chemtron amended the profile for Concrete and will be disposing the pumps & control panels along with the concrete materials;*
- *Chemtron to provide additional information on the details included in the incident report;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 30$^{o}$F to 47$^{o}$F, sun/partly cloudy.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Mike Perry. |
| **Subcontractors:** | **KEY:** N/a. |
| | **Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, & three labor/operators. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Chemtron issued a hot work permit for the torch cutting operation;
- B&B conducted torch cutting of Condenser from Building 18 and tanks outside the building 18 to prepare for shipment;
- B&B continued cutting/munching of Building 15 hoppers and tanks to size the material for off-site shipment using a propane torch;
- B&B continued loading concrete from Building 17 & 18 into roll-off boxes and shipped off-site. The boxes were lined with plastic prior to loading. Concrete chucks with rebar protruding were segregated and stockpiled separately in order to remove the protruding rebar prior to shipment;
- B&B loaded Building 21 concrete, C&D (wooden 2x4 frames) and concrete from cradles outside Bldg 21 & north of Bldg 18 into rolloff boxes. The boxes were obtained from Keegan Landfill's operator Waste Management;
- B&B continued placing the sandy 3/8" stone in low areas in preparation of subgrade for capillary break. Also regrading the stone placed as tracking pad;
- B&B munched concrete equipment pads and tank cradles using a munch attachment on Komatsu PC220;
- B&B munched concrete pad on Bldg 16 and concrete cradles near Bldg 21 and segregated rebar from the concrete debris;
- B&B started breaking the frac column pedestal/base on Bldg 18 using the Bobcat with a hoe-ram attachment;

**Shipments:**
- One load of scrap metal was shipped off-site. Bill of lading was provided with the shipment. The scrap was sent to Gerdau Amersteel smelting facility in Sayreville, NJ;

- 10 gaylord boxes with Bldg 18 friable ACM was shipped to off-site disposal facility Envirosafe Services of OH;
- Four (4) roll-off boxes with Bldg 17 & 18 concrete/brick/masonry were shipped off-site to EQ – Wayne Disposal, Belleville, MI. Box was only filled half (~15 CY) to meet weight limitations;

**Air Monitoring:**
- KEY AMP scientist arrived on-site 1–hour prior to start of work to check on the operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Chemtron/B&B stopped work for the day;

**Others/Issues:**
- *PRG requested to place the excess silty ¾" stone into the Track 2 area as a leveling lift to bridge any low lying areas.* Chemtron finished using ¾" silted stone in the Track 2 area*;*
- *Excess 3/8" stone (approx. 230 CY) was available on-site. With PRG's approval, Chemtron plan to use the material in Track 2 area grading beneath capillary break.* Chemtron finished using sandy 3/8" stone in the Track 2 area*;*
- *Volume of wood from Building 15: In-place – 37 CY; Disposal – 120 CY. B&B indicated typical bulking factor for wood was 3x and for concrete was 1.5x;*
- *KEY notified Chemtron that the materials provided by WRS for the construction of capillary break in the process area were staged in the Diamond eastern parking lot. The volume provided by WRS was for installation of capillary break in the process area outside the building footprints. As such KEY indicated to Chemtron that any additional stone required for the completion of capillary break to be procured by Chemtron. KEY to discuss with PRG on the approval for additional stone or if capillary not be installed on building footprints;*
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss. Chemtron amended the profile for Concrete and will be disposing the pumps & control panels along with the concrete materials;*
- *Chemtron to provide additional information on the details included in the incident report;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 42$^{o}$F to 49$^{o}$F, rain – AM, overcast.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | Nathan Scott. |
| **Chemtron Corp.:** | Mike Perry. |
| **Subcontractors:** | **KEY:** N/a. |
| | **Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, & three labor/operators. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Chemtron issued a hot work permit for the torch cutting operation;
- B&B conducted torch cutting of Condenser from Building 18 to prepare for shipment using a propane torch;
- B&B continued loading concrete from Building 17 & 18 into roll-off boxes and shipped off-site. The boxes were lined with plastic prior to loading. Concrete chucks with rebar protruding were segregated and stockpiled separately in order to remove the protruding rebar prior to shipment;
- B&B completed placing the sandy 3/8" stone in low areas in preparation of subgrade for capillary break. Also regrading the stone placed as tracking pad;
- B&B continued and completed breaking the frac column pedestal/base on Bldg 18 using the Bobcat with a hoe-ram attachment;

**Shipments:**
- One (1) roll-off box with Bldg 17 & 18 concrete/brick/masonry were shipped off-site to EQ – Wayne Disposal, Belleville, MI. Box was only filled half (~15 CY) to meet weight limitations;

**Air Monitoring:**
- KEY AMP scientist arrived on-site 1–hour prior to start of work to check on the operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Chemtron/B&B stopped work for the day;

**Others/Issues:**
- Weekly demolition conference call was conducted with PRG, KEY and Chemtron;

- PRG approved for the placement of capillary break on top of Building pads 15, 16 and 21. An asphalt cover was approved to be installed on top of slabs for Building 17 and 18 as an interim response action of the slab due to the presence of dioxins at concentration greater than 1 ppb;
- *Volume of wood from Building 15: In-place – 37 CY; Disposal – 120 CY. B&B indicated typical bulking factor for wood was 3x and for concrete was 1.5x;*
- *KEY notified Chemtron that the materials provided by WRS for the construction of capillary break in the process area were staged in the Diamond eastern parking lot. The volume provided by WRS was for installation of capillary break in the process area outside the building footprints. As such KEY indicated to Chemtron that any additional stone required for the completion of capillary break to be procured by Chemtron. KEY to discuss with PRG on the approval for additional stone or if capillary not be installed on building footprints;*
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss. Chemtron amended the profile for Concrete and will be disposing the pumps & control panels along with the concrete materials;*
- *Chemtron to provide additional information on the details included in the incident report;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 28$^{o}$F to 50$^{o}$F, snow flakes/showers, overcast.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Vamsee Veera, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Mike Perry. |
| **Subcontractors:** | **KEY:** N/a. |
| | **Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, & three labor/operators. |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for all Precision personnel;
- Chemtron issued a hot work permit for the torch cutting operation;
- B&B conducted torch cutting of Condenser from Building 18 to prepare for shipment using a propane torch;
- B&B continued loading concrete from Building 17 & 18 into roll-off boxes and shipped off-site. The boxes were lined with plastic prior to loading. Concrete chucks with rebar protruding were segregated and stockpiled separately in order to remove the protruding rebar prior to shipment;
- B&B completed placing the sandy 3/8" stone in low areas in preparation of subgrade for capillary break. Also regrading the stone placed as tracking pad;
- B&B continued and completed breaking the frac column pedestal/base on Bldg 18 using the Bobcat with a hoe-ram attachment;
- B&B started placement of capillary break from the area east of Building 21 and continued westward. Building 17 and 18 floor slabs were only covered with fabric and stone was not placed on top of the fabric;

**Shipments:**
- Five (5) roll-off boxes with Bldg 17 & 18 concrete/brick/masonry were shipped off-site to EQ – Wayne Disposal, Belleville, MI. Boxes were only filled half (~15 CY) to meet weight limitations;

**Air Monitoring:**
- KEY AMP scientist arrived on-site 1–hour prior to start of work to check on the operation status of PID and Dust monitoring;
- VOC & Dust air monitors were shut down at end of the day after Chemtron/B&B stopped work for the day;

**Others/Issues:**

- PRG approved for the placement of capillary break on top of Building pads 15, 16 and 21. An asphalt cover was approved to be installed on top of slabs for Building 17 and 18 as an interim response action of the slab due to the presence of dioxins at concentration greater than 1 ppb;
- *Volume of wood from Building 15: In-place – 37 CY; Disposal – 120 CY. B&B indicated typical bulking factor for wood was 3x and for concrete was 1.5x;*
- *As part of IRAW activities, a liner, and diversion berms were installed up to the southern slab of Buildings 18 & 21. Chemtron was notified to protect the berms. Chemtron indicated that the berm on the southern perimeter of Track 2 area will be protected during demolition activities.* As of the report date, no significant damages to berms were observed with the exception of following. Berms along the access road entrance into Track 2 area were damaged. Chemtron plans to repair the berms along the entrances after completion of Track 2 activities*;*
- *Chemtron indicated that the electrical pumps motors and control panels in Building 18 need to be sent to a scarp recycling yard for sorting prior to final smelting. PRG indicated disposal of the metals as waste. B&B estimate the volume to be approximately 60 tons. Chemtron provided unit pricing of $366/ton for disposal and a scrap revenue loss of $275/ton. KEY requested for backup calculations for the revenue loss. Chemtron amended the profile for Concrete and will be disposing the pumps & control panels along with the concrete materials.* After completion of sorting recyclable metals, the remaining pumps/control panels were segregated and loaded into one of the roll-off boxes containing concrete/brick/masonry from Buildings 17 & 18 for shipment to EQ – Wayne Disposal*;*
- *Chemtron to provide additional information on the details included in the incident report;*
- *A portion of the capillary break east of Building 21 to be installed by WRS was left incomplete due to existing tank cradle above ground structure. This portion of the capillary break may need to be added to Chemtron's scope of work.* B&B completed installation of Capillary Break in the portion of the area east of Building 21*;*

** Notes in italics carry forward from previous daily logs.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 30$^{o}$F, partly cloudy

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Jaeson Pieretti, Jamak Koochak (AMP). |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for B&B personnel;
- Continuation of demo material removal and Capillary Break installation from January 13, 2012. Scrap metal roll-off removed from site
-Remaining areas requiring attention include:
  - the northwest and southwest corners of the trak 2 area, both capillary break installation and berm restoration.
  -removal of temporary stone from the bldg 18 pad,
  -and the area between the easternmost access road and trk 1 capillary needs the cap break installed.
  -berm adjacent to bldg 17 slab
  -filling of bldg 17 sump with stone
  -relocation of containerized asbestos material currently staged on bldg 15 slab
  -removal of stone from bldg 18 slab

Chemtron representatives onsite requested leave from site to complete track 2 activities at later date. KEY personnel deferred affirmation of request to KEY project manager.

- Chemtron and B&B to return on 1/18/12

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 35$^{o}$F, clear

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Jaeson Pieretti, no AMP required (non-intrusive) |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for B&B personnel;
- Continuation of demo material removal and Capillary Break installation from January 14, 2012.
- Berm restoration and capillary break installation activities conducted according to spec, with overlapped non-woven fabric with 6” of 1.5” stone placed above fabric.
- Additional 1.5” stone delivered to site for use in Capillary Break

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 35$^{o}$F, clear

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Jaeson Pieretti, no AMP required (non-intrusive) |
| **Beazer East (Beazer):** | N/a. |
| **Tierra Solutions (Tierra):** | N/a. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, |
| **Visitors:** | N/a. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for B&B personnel;
- Continuation of Capillary Break installation and berm restoration from January 18, 2012.
- Capillary break installation and berm restoration complete. Exposed areas include 2 access roads required for asphalt placement activities on Bldg 17 & 18 planned for future.
- Chemtron and B&B demobilize equipment. Off-site
- Asbestos container staged near bldg 5 for off site removal

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

INTERIM RESPONSE ACTION WORKPLAN IMPLEMENTATION
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 70$^{o}$F, Sun/Clouds.

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Chemtron/Track 3 Demo:** | Brian Duke. |
| **Subcontractors:** | B&B, Garfalo Paving. |
| **Key Environmental Inc. (KEY):** | Dan Stanko, Jamak Koochak. |
| **Subcontractors:** | **KEY:** Environmental Tactics, GWTT. |
| **Visitors:** | American Security (additional tags placed). |

**WORK PERFORMED:**

**Asphalt Placement:**

-Garfalo paving arrived on-site at 7:30am to pave Building Pads 17 & 18.

-Chemtron removed fabric previously placed to cover building pads. Both pads were then swept to remove loose material and/or silts.

-Garfalo Paving then applied a tack coat to both building pads. Tack coat was applied via dripping from a 5 gallon bucket.

-Garfalo then placed 3" of loose asphalt on Building Pad 17 and compacted via smooth drum roller. Ronnie of Garfalo decided to place to separate lifts to get a final lift thickness of +/-4.5". Ronnie felt that because the asphalt was taken directly from the plant, it could be placed and as long as the final lift was placed within 2-3 hours, no additional tacking coat would be needed to prevent a cold joint. Building 17, compaction was completed with a vibratory smooth drum roller with water on drums.

-Writer spoke to Teresa Royek concerning raised concrete on Building 18 slab, concrete had appearance of "speed bumps", being raised 3" to 6". Chemtron had Garfalo to use additional asphalt to smooth out the surface (one additional truck was used).

-Garfalo placed a 3" lift on Building 18 (areas with +3" were adjacent to existing raised concrete). Following placement, Building 18 was also compacted to a dense and stable state, as was Building pad 17.

-Garfalo then placed the final lift on Building 18 then 17. 2$^{nd}$ lift ranged in thickness on Building 18 to cover all raised concrete by 4". On Building 17 the lift thickness was approximately +/-1.5".

-The 2$^{nd}$ lift on both Building Pads was compacted with the larger smooth drum vibratory roller as well as the finishing roller to remove any lines caused by the larger roller.

**-Plant Numbers: RICE # = 162.8, MARSHALL # = 156.6, & AIR VOID = 3.7%.**

-*See attached files for photos and Truck tickets.*

# PENINSULA RESTORATION GROUP SITE, KEARNY, NEW JERSEY

TRACK 2 DEMOLITION AND ABATEMENT – BUILDINGS 15, 17, 18 & 21
STANDARD CHLORINE CHEMICAL COMPANY, INC., TIERRA SOLUTIONS, INC. AND BEAZER EAST, INC.
DAILY FIELD ACTIVITY LOG

**WEATHER:** 53$^{o}$F to 45$^{o}$F, Sunny

**CONTRACTORS AND PERSONAL ON-SITE:**

| | |
|---|---|
| **Key Environmental Inc. (KEY):** | Jamak Koochak, [AMP not required (non-intrusive work)] |
| **Beazer East (Beazer):** | N/A. |
| **Tierra Solutions (Tierra):** | N/A. |
| **Chemtron Corp.:** | Brian Duke. |
| **Subcontractors:** | **Chemtron:** B & B Wrecking & Excavating – Pete Mehalic, |
| **Visitors:** | N/A. |

**WORK PERFORMED:**

- Health and Safety meeting was conducted by Chemtron for B&B personnel;
- Continuation of Capillary Break installation and berm restoration from Trk 2.
- B&B placed 6” stone on top of the fabric and leveled it. Before placing the fabric and stone, 2 sections of the Northern berm on the entrance gates were restored by placing clean fill on top and compacting it;
- B&B filled around the asphalt caps with stone and pulled the fabric to overlap with the edge of the caps.
- Capillary break installation and berm restoration complete.
- No fence restored.

Photo 1: Installation of Tracking Pad around Track 2 Buildings

Photo 2: Installation of Barriers on Building 18 windows

Photo 3: Removal of Transite Panels from Building 21

Photo 4: Removal of Windows from Building 17

Photo 5: Removal of Transite Panels from Building 17

Photo 6: Removal of Transite Panels from Building 15

Photo 7: Post Abatement Clearance Sampling by Environmental Tactics

Photo 8: Removal of Sump Contents in Building 17 using Vacuum Truck

Photo 9: Pressure Washing of Sump under Still in Building 18 after removal of contents

Photo 10: Removal of Transite Panels from Building 18

Photo 11: Demolition of Building 17

Photo 12: Demolition of Building 21

Photo 13: Building 18 after completion of abatement and prior to demolition

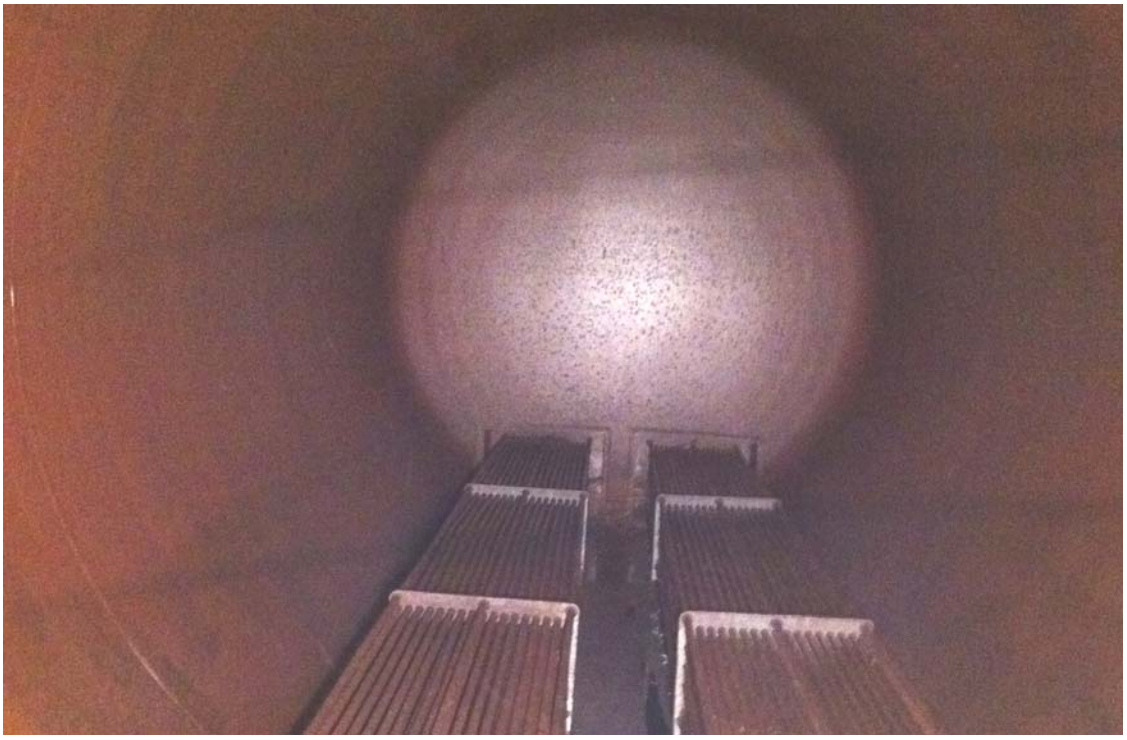

Photo 14: Building 18 Still after removal of Residue and Pressure Wash

Photo 15: Demolition of Building 15

Photo 16: Removal of Building 18 Equipment Pads above Floor Slab

Photo 17: Installation of Capillary Break

Photo 18: Capillary Break installed in Track 2 area

Photo 19: Capillary Break in Track 2 area and asphalt IRM installed on Building 17

Photo 20: Asphalt IRM installed on Building 18 slab

PRECISION
Environmental Co.

5500 Old Brecksville Road • Independence, Ohio 44131
(216) 642-6040 • fax (216) 642-6041

# Standard Chlorine

# Kearny, New Jersey

# Phase One

STATE OF NEW JERSEY
DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT
DIVISION OF PUBLIC SAFETY & OCCUPATIONAL SAFETY & HEALTH
ASBESTOS CONTROL & LICENSING SECTION

# ASBESTOS LICENSE

LICENSE NUMBER: 01143

ISSUE DATE 4/21/11 EXPIRATION DATE: 4/22/12

THIS LICENSE has been issued in accordance with and is subject to the provisions of the Asbestos Control and Licensing Act, N.J.S.A. 34:5A-32 et seq.

Employer: Precision Environmental Company

Address: 5500 Old Brecksville Rd

Independence OH 44131

Responsible Individual: Type "A" LICENSE to perform any type of asbestos work

This license is VALID ONLY FOR THE EMPLOYER NAMED HEREIN and must be readily available at the work site for inspection by the Commissioners of Labor and Workforce Development and Health & Senior Services and the contracting agency.

John Savage, Vice President

Harold J. Wirths

Commissioner

ACL-4 (R-5-10)

15735

OP ID: PC

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 11/01/11

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
The Fedeli Group
P.O. Box 318003
5005 Rockside Road
Independence, OH 44131-8003
Umberto P. Fedeli
216-328-8080
216-328-8081

CONTACT NAME: Pat Cowan
PHONE (A/C, No, Ext): 216-328-8080 FAX (A/C, No): 216-328-8081
E-MAIL ADDRESS: pcowan@thefedeligroup.com
PRODUCER CUSTOMER ID #: PRECI-9

INSURED
Precision Environmental Company
The Precision Company
5500 Old Brecksville Road
Independence, OH 44131

| INSURER(S) AFFORDING COVERAGE | NAIC # |
|---|---|
| INSURER A : Zurich American Insurance Co. | 16535 |
| INSURER B : Steadfast Insurance Company | 26387 |
| INSURER C : | |
| INSURER D : | |
| INSURER E : | |
| INSURER F : | |

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSR | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| A | GENERAL LIABILITY<br>X COMMERCIAL GENERAL LIABILITY<br>CLAIMS-MADE X OCCUR<br>X Per Proj Aggr<br>X Per Loc Aggr<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br>POLICY PRO-JECT LOC | X | | GLO902564207 | 02/17/11 | 02/17/12 | EACH OCCURRENCE | $ 1,000,000 |
| | | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) | $ 100,000 |
| | | | | | | | MED EXP (Any one person) | $ 10,000 |
| | | | | | | | PERSONAL & ADV INJURY | $ 1,000,000 |
| | | | | | | | GENERAL AGGREGATE | $ 1,000,000 |
| | | | | | | | PRODUCTS - COMP/OP AGG | $ 1,000,000 |
| | | | | | | | | $ |
| | AUTOMOBILE LIABILITY<br>ANY AUTO<br>ALL OWNED AUTOS<br>SCHEDULED AUTOS<br>HIRED AUTOS<br>NON-OWNED AUTOS | | | | | | COMBINED SINGLE LIMIT (Ea accident) | $ |
| | | | | | | | BODILY INJURY (Per person) | $ |
| | | | | | | | BODILY INJURY (Per accident) | $ |
| | | | | | | | PROPERTY DAMAGE (Per accident) | $ |
| | | | | | | | | $ |
| | | | | | | | | $ |
| B | UMBRELLA LIAB X OCCUR<br>X EXCESS LIAB CLAIMS-MADE<br>DEDUCTIBLE<br>X RETENTION $ 10,000 | X | | SEO902564707 | 02/17/11 | 02/17/12 | EACH OCCURRENCE | $ 3,000,000 |
| | | | | | | | AGGREGATE | $ 3,000,000 |
| | | | | | | | | $ |
| | | | | | | | | $ |
| A | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY<br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N<br>(Mandatory In NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below | N / A | | GLO902564207<br>OHIO STOP GAP LIABILITY | 02/17/11 | 02/17/12 | WC STATU-TORY LIMITS / OTH-ER | |
| | | | | | | | E.L. EACH ACCIDENT | $ 1,000,000 |
| | | | | | | | E.L. DISEASE - EA EMPLOYEE | $ 1,000,000 |
| | | | | | | | E.L. DISEASE - POLICY LIMIT | $ 1,000,000 |
| B | Contractors Prof.<br>& Pollution Liab. | | | PEC654939401<br>INCL ASBESTOS & LEAD | 02/17/11 | 02/17/12 | Ea. Claim<br>All Claim | 3,000,000<br>3,000,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
Project: Buildings #15, #17, #18 & #21 Standard Chlorine Chemical Co.
1015-1035 Belleville Turnpike, Kearny, New Jersey 07032

Additional Insureds - see attach page 2

CERTIFICATE HOLDER

CHEM-AV

Chemtron Corporation
35850 Schneider Court
Avon, OH 44011

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Pat Cowan

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Page 2

Additional Insured, as required by written contract, in regards to mentioned project.

Chemtron Corporation
Key Environmental, Inc. 456 Route 22 West, #D, Whitehouse Station, NJ 08889, Jacob Bourdeau, P.E., Project Manager
PRG:
Beazer East, Inc., One Oxford Centre, #3000, Pittsburgh, PA 15219-6401
Tierra Solutions, Inc., Two Tower Center Boulevard, Floor 10, East Brunswick, NJ 08816
Standard Chlorine Chemical Company, Inc. 1025-1035 Belleville Tunnpike, Kearny, NJ 07032
3rd Party Monitoring:
Environmental Tactics, Inc., 64 Broad Street, Matawan, NJ 07747-2534

ACORD®

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 9/21/2011

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
The Evarts Tremaine Flicker Company
1100 Chester Ave. #300

Cleveland OH 44115

CONTACT NAME: Diane Fehlner
PHONE (A/C, No, Ext): (216) 621-7183 FAX (A/C, No): (216) 621-4755
E-MAIL ADDRESS:
PRODUCER CUSTOMER ID #: 00000089

INSURED
Precision Environmental Company
The Precision Company
5500 Old Brecksville Road

Independence OH 44131

| INSURER(S) AFFORDING COVERAGE | NAIC # |
|---|---|
| INSURER A: Motorists Mutual | 14621 |
| INSURER B: Cincinnati Insurance | |
| INSURER C: | |
| INSURER D: | |
| INSURER E: | |
| INSURER F: | |

COVERAGES CERTIFICATE NUMBER: 2010 Precision Cert REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSR | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| | GENERAL LIABILITY | | | | | | EACH OCCURRENCE | $ |
| | COMMERCIAL GENERAL LIABILITY | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) | $ |
| | CLAIMS-MADE / OCCUR | | | | | | MED EXP (Any one person) | $ |
| | | | | | | | PERSONAL & ADV INJURY | $ |
| | | | | | | | GENERAL AGGREGATE | $ |
| | GEN'L AGGREGATE LIMIT APPLIES PER: POLICY / PRO-JECT / LOC | | | | | | PRODUCTS - COMP/OP AGG | $ |
| | | | | | | | | $ |
| | AUTOMOBILE LIABILITY | | | | | | COMBINED SINGLE LIMIT (Ea accident) | $ 1,000,000 |
| | ANY AUTO | | | | | | BODILY INJURY (Per person) | $ |
| A | X ALL OWNED AUTOS | | | 3323289000 | 2/17/2011 | 2/17/2012 | BODILY INJURY (Per accident) | $ |
| | SCHEDULED AUTOS | | | | | | PROPERTY DAMAGE (Per accident) | $ |
| | X HIRED AUTOS | | | | | | Rental reimbursement-30 days, | $ 30 |
| | X NON-OWNED AUTOS | | | | | | Medical payments | $ 1,000 |
| | UMBRELLA LIAB / OCCUR | | | | | | EACH OCCURRENCE | $ |
| | EXCESS LIAB / CLAIMS-MADE | | | | | | AGGREGATE | $ |
| | DEDUCTIBLE | | | | | | | $ |
| | RETENTION $ | | | | | | | $ |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY | | | | | | WC STATUTORY LIMITS / OTHER | |
| | ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N (Mandatory in NH) | N / A | | | | | E.L. EACH ACCIDENT | $ |
| | If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | E.L. DISEASE - EA EMPLOYEE | $ |
| | | | | | | | E.L. DISEASE - POLICY LIMIT | $ |
| B | Leased or Rented Equipment-incl in transit | | | CAP5175166 | 2/17/2011 | 2/17/2012 | $1,100,000 | |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
Project-Building #15, #17 & #21 Standard Chlorine Chemical Co. 1015-1035 Belleville Turnpike, Kearny, New Jersey 07032
Certificate holder is Additional Insured as their interest may appear if required by written contract but only with respect to liability arising out of operations of the Named Insured. This document neither affirmatively nor negatively amends, extends, or alters the terms of or the coverage afforded by policy referenced herein.

CERTIFICATE HOLDER

Chemtron Corporation
35850 Schneider Court
Avon, OH 44011

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

J. Brickenden/DCF


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**State of New Jersey**
**NOTIFICATION OF ASBESTOS ABATEMENT**
**(Pursuant to NJAC 8:60 and 12:120)**

| | |
|---|---|
| Date of Notification (1) 9-22-11<br>(1) 9-26-11 (2) 10-3-11 (3) 10-6-11 (4) 10-14-11<br>(5) 11-18-11 (6) 12-9-11 | Name of Building Owner/Operator (2)<br>Town of Kearny |
| Agencies Notified: [X] EPA [ ] DEP [X] DOL [X] DOH [ ] DCA<br>Type Notification: [ ] Initial [X] Amended Amendment #: 6 [ ] Emergency (including justification) [ ] Cancellation | Street Address: 402 Kearny Avenue<br>City, State, Zip Code: Kearney, NJ 07032<br>Name of Contact: Michael Martello<br>Telephone Number: 201-955-7400 |

**FACILITY INFORMATION**

| | |
|---|---|
| Name of Facility Where Abatement is Taking Place (3): Standard Chlorine Chemical Co. | Type of Facility (4): [ ] School (K-12) [ ] Subchapter 8 (Other than K-12) [X] Other (i.e. private & commercial buildings, homes, etc.) |
| Street Address: 1015-1035 Belleville Turnpike | |
| City (5): Kearney | Square Feet: See attached; # of Floors: see attached; Bldg. Age: 50+ |
| County (6): Hudson; County Code (7) (STATE USE ONLY): | Current Use (Prior if being demolished): Chemical plant |
| Name of Monitoring Firm Hired by Building Owner (8): Environmental Tactics, Inc.; ASCM No.: 0045 | Name of Abatement Contractor (9): Precision Environmental Co. |
| Street Address: 64 Broad Street | Street Address: 5500 Old Brecksville Rd |
| City, State, Zip Code: Matawan, NJ 07747 | City, State, Zip Code: Independence, Ohio 44131 |
| Project Manager for Monitoring Firm: Thomas P. Geiger; Telephone No.: 732-290-2217 | Telephone No.: 216-642-6040; License No.: 01143 |
| Start Date (10): 10-25-11 (JOB ON HOLD); Scheduled Completion Date (11): 02-10-12 | Name of OSHA Monitor: Environmental Tactics, Inc |
| Occupancy Status During Abatement (Check Only One): [X] Facility Closed/Vacated During Entire Period of Abatement [ ] Abatement Performed Outside of Normal Facility Hours [ ] Other – Describe: | Street Address: 64 Broad Street<br>City, State, Zip Code: Matawan, NJ 07747 |

Scope of Work (Check All That Apply)

[ ] ≥3 sf or ≥3 lf
[X] ≥160 sf or ≥260 lf

[ ] Renovation
[X] Demolition

[X] Full Containment with Negative Pressure
[X] Mini-Enclosure
[X] Glovebag Procedure
[X] Non-Exempted (*) and Non-Friable Procedure

| Location of Asbestos-Containing Material (ACM) TO BE ABATED In Facility (13) | Is Location Normally Used Solely by Maintenance/ Custodial Staff? (12) Yes | No | N/A | Description of Asbestos Containing Material (ACM) (i.e. thermal systems insulation, surfacing, VAT, or other miscellaneous) | Amount (Specify SF or LF) | Abatement Type: Removal | Repair | Encapsulate | Enclosure |
|---|---|---|---|---|---|---|---|---|---|
| See attached | | X | | See attached | See attached | X | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| | | | |
|---|---|---|---|
| Name of Registered Waste Hauler: Freehold Cartage | NJDEP Waste Hauler ID No.: NJD054126164 | Cubic Yards of Waste: 974 | Name of Registered Landfill: Envirosafe Services of Ohio |
| City, State: Freehold, New Jersey | | Disposal Date: 10/25- 12/09/11 | City, State: Oregon, Ohio |

| Completed by | Title | Signature | Date |
|---|---|---|---|
| John E. Savage | Vice President | John E. Savage | 12-09-11 |

ASB-41 (R-06-08)

*Do not use this form for asbestos licensure exempted activities.

**State of New Jersey**
**NOTIFICATION OF ASBESTOS ABATEMENT**
**(Pursuant to NJAC 8:60 and 12:120)**

| | |
|---|---|
| Date of Notification (1) 9-22-11<br>(1) 9-26-11 (2) 10-3-11 (3) 10-6-11 (4) 10-14-11<br>(5) 11-18-11 | Name of Building Owner/Operator (2)<br>Town of Kearny |
| Agencies Notified<br>☒ EPA<br>☐ DEP<br>☒ DOL<br>☒ DOH<br>☐ DCA<br><br>Type Notification<br>☐ Initial<br>☒ Amended<br>Amendment #: 5<br>☐ Emergency (including justification)<br>☐ Cancellation | Street Address<br>402 Kearny Avenue<br>City, State, Zip Code<br>Kearney, NJ 07032<br>Name of Contact: Michael Martello<br>Telephone Number: 201-955-7400 |

**FACILITY INFORMATION**

| | | |
|---|---|---|
| Name of Facility Where Abatement is Taking Place (3)<br>Standard Chlorine Chemical Co. | | Type of Facility (4)<br>☐ School (K-12)<br>☐ Subchapter 8 (Other than K-12)<br>☒ Other (i.e. private & commercial buildings, homes, etc.) |
| Street Address<br>1015-1035 Belleville Turnpike | | |
| City (5)<br>Kearney | | Square Feet: See attached<br># of Floors: see attached<br>Bldg. Age: 50+ |
| County (6)<br>Hudson | County Code (7) *(STATE USE ONLY)* | Current Use (Prior if being demolished)<br>Chemical plant |
| Name of Monitoring Firm Hired by Building Owner (8)<br>Environmental Tactics, Inc. | ASCM No.<br>0045 | Name of Abatement Contractor (9)<br>Precision Environmental Co. |
| Street Address<br>64 Broad Street | | Street Address<br>5500 Old Brecksville Rd |
| City, State, Zip Code<br>Matawan, NJ 07747 | | City, State, Zip Code<br>Independence, Ohio 44131 |
| Project Manager for Monitoring Firm<br>Thomas P. Geiger | Telephone No.<br>732-290-2217 | Telephone No.: 216-642-6040<br>License No.: 01143 |
| Start Date (10)<br>10-25-11 | Scheduled Completion Date (11)<br>12-09-11 | Name of OSHA Monitor<br>Environmental Tactics, Inc |
| Occupancy Status During Abatement (Check Only One)<br>☒ Facility Closed/Vacated During Entire Period of Abatement<br>☐ Abatement Performed Outside of Normal Facility Hours<br>☐ Other – Describe: | | Street Address<br>64 Broad Street<br>City, State, Zip Code<br>Matawan, NJ 07747 |

Scope of Work (Check All That Apply)

☐ ≥3 sf or ≥3 lf
☒ ≥160 sf or ≥260 lf

☐ Renovation
☒ Demolition

☒ Full Containment with Negative Pressure
☒ Mini-Enclosure
☒ Glovebag Procedure
☒ Non-Exempted (*) and Non-Friable Procedure

| Location of Asbestos-Containing Material (ACM) TO BE ABATED In Facility (13) | Is Location Normally Used Solely by Maintenance/ Custodial Staff? (12) Yes | No | N/A | Description of Asbestos Containing Material (ACM) (i.e. thermal systems insulation, surfacing, VAT, or other miscellaneous) | Amount (Specify SF or LF) | Abatement Type: Removal | Repair | Encapsulate | Enclosure |
|---|---|---|---|---|---|---|---|---|---|
| See attached | | X | | See attached | See attached | X | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| | | | |
|---|---|---|---|
| Name of Registered Waste Hauler<br>Freehold Cartage | NJDEP Waste Hauler ID No.<br>NJD054126164 | Cubic Yards of Waste<br>974 | Name of Registered Landfill<br>Envirosafe Services of Ohio |
| City, State<br>Freehold, New Jersey | | Disposal Date<br>10/25- 12/09/11 | City, State<br>Oregon, Ohio |

| Completed by | Title | Signature | Date |
|---|---|---|---|
| John E. Savage | Vice President | John E Savage | 11-18-11 |

ASB-41 (R-06-08)

Do not use this form for asbestos licensure exempted activities.

**State of New Jersey**
**NOTIFICATION OF ASBESTOS ABATEMENT**
**(Pursuant to NJAC 8:60 and 12:120)**

| | |
|---|---|
| Date of Notification (1)9-22-11<br>(1)9-26-11(2)10-3-11(3)10-6-11(4)10-14-11 | Name of Building Owner/Operator (2)<br>Town of Kearny |
| Agencies Notified: [X] EPA [ ] DEP [X] DOL [X] DOH [ ] DCA<br>Type Notification: [ ] Initial [X] Amended Amendment # 4 [ ] Emergency (including justification) [ ] Cancellation | Street Address: 402 Kearny Avenue<br>City, State, Zip Code: Kearney, NJ 07032<br>Name of Contact: Michael Martello<br>Telephone Number: 201-955-7400 |

**FACILITY INFORMATION**

| | |
|---|---|
| Name of Facility Where Abatement is Taking Place (3): Standard Chlorine Chemical Co. | Type of Facility (4): [ ] School (K-12) [ ] Subchapter 8 (Other than K-12) [X] Other (i.e. private & commercial buildings, homes, etc.) |
| Street Address: 1015-1035 Belleville Turnpike | |
| City (5): Kearney | Square Feet: See attached; # of Floors: see attached; Bldg. Age: 50+ |
| County (6): Hudson; County Code (7) (STATE USE ONLY) _____ | Current Use (Prior if being demolished): Chemical plant |
| Name of Monitoring Firm Hired by Building Owner (8): Environmental Tactics, Inc.; ASCM No.: 0045 | Name of Abatement Contractor (9): Precision Environmental Co. |
| Street Address: 64 Broad Street | Street Address: 5500 Old Brecksville Rd |
| City, State, Zip Code: Matawan, NJ 07747 | City, State, Zip Code: Independence, Ohio 44131 |
| Project Manager for Monitoring Firm: Thomas P. Geiger; Telephone No.: 732-290-2217 | Telephone No.: 216-642-6040; License No.: 01143 |
| Start Date (10): 10-25-11; Scheduled Completion Date (11): 11-22-11 | Name of OSHA Monitor: Environmental Tactics, Inc |
| Occupancy Status During Abatement (Check Only One): [X] Facility Closed/Vacated During Entire Period of Abatement [ ] Abatement Performed Outside of Normal Facility Hours [ ] Other – Describe: _____ | Street Address: 64 Broad Street<br>City, State, Zip Code: Matawan, NJ 07747 |

Scope of Work (Check All That Apply)

[ ] ≥3 sf or ≥3 lf
[X] ≥160 sf or ≥260 lf
[ ] Renovation
[X] Demolition
[X] Full Containment with Negative Pressure
[X] Mini-Enclosure
[X] Glovebag Procedure
[X] Non-Exempted (*) and Non-Friable Procedure

| Location of Asbestos-Containing Material (ACM) TO BE ABATED In Facility (13) | Is Location Normally Used Solely by Maintenance/ Custodial Staff? (12) Yes | No | N/A | Description of Asbestos Containing Material (ACM) (i.e. thermal systems insulation, surfacing, VAT, or other miscellaneous) | Amount (Specify SF or LF) | Abatement Type: Removal | Repair | Encapsulate | Enclosure |
|---|---|---|---|---|---|---|---|---|---|
| See attached | | X | | See attached | See attached | X | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| | | | |
|---|---|---|---|
| Name of Registered Waste Hauler: Freehold Cartage | NJDEP Waste Hauler ID No.: NJD054126164 | Cubic Yards of Waste: 974 | Name of Registered Landfill: Envirosafe Services of Ohio |
| City, State: Freehold, New Jersey | | Disposal Date: 10/25-11/22/11 | City, State: Oregon, Ohio |

| Completed by | Title | Signature | Date |
|---|---|---|---|
| John E. Savage | Vice President | John E. Savage | 10-14-11 |

ASB-41 (R-06-08)

*Do not use this form for asbestos licensure exempted activities.

State of New Jersey
**NOTIFICATION OF ASBESTOS ABATEMENT**
(Pursuant to NJAC 8:60 and 12:120)

| | |
|---|---|
| Date of Notification (1)9-22-11<br>(1)9-26-11(2)10-3-11(3)10-6-11 | Name of Building Owner/Operator (2)<br>Town of Kearny |
| Agencies Notified: ☒ EPA ☐ DEP ☒ DOL ☒ DOH ☐ DCA<br>Type Notification: ☐ Initial ☒ Amended Amendment #3 ☐ Emergency (including justification) ☐ Cancellation | Street Address<br>402 Kearny Avenue<br>City, State, Zip Code<br>Kearney, NJ 07032<br>Name of Contact: Michael Martello<br>Telephone Number: 201-955-7400 |

**FACILITY INFORMATION**

| | | | |
|---|---|---|---|
| Name of Facility Where Abatement is Taking Place (3)<br>Standard Chlorine Chemical Co. | | Type of Facility (4)<br>☐ School (K-12)<br>☐ Subchapter 8 (Other than K-12)<br>☒ Other (i.e. private & commercial buildings, homes, etc.) | |
| Street Address<br>1015-1035 Belleville Turnpike | | | |
| City (5)<br>Kearney | | Square Feet: See attached | # of Floors: see attached<br>Bldg. Age: 50+ |
| County (6)<br>Hudson | County Code (7) (STATE USE ONLY) | Current Use (Prior if being demolished)<br>Chemical plant | |
| Name of Monitoring Firm Hired by Building Owner (8)<br>Environmental Tactics, Inc. | ASCM No.<br>0045 | Name of Abatement Contractor (9)<br>Precision Environmental Co. | |
| Street Address<br>64 Broad Street | | Street Address<br>5500 Old Brecksville Rd | |
| City, State, Zip Code<br>Matawan, NJ 07747 | | City, State, Zip Code<br>Independence, Ohio 44131 | |
| Project Manager for Monitoring Firm<br>Thomas P. Geiger | Telephone No.<br>732-290-2217 | Telephone No.<br>216-642-6040 | License No.<br>01143 |
| Start Date (10)<br>10-18-11 | Scheduled Completion Date (11)<br>11-18-11 | Name of OSHA Monitor<br>Environmental Tactics, Inc | |
| Occupancy Status During Abatement (Check Only One)<br>☒ Facility Closed/Vacated During Entire Period of Abatement<br>☐ Abatement Performed Outside of Normal Facility Hours<br>☐ Other – Describe: | | Street Address<br>64 Broad Street<br>City, State, Zip Code<br>Matawan, NJ 07747 | |

Scope of Work (Check All That Apply)

☐ ≥3 sf or ≥3 lf
☒ ≥160 sf or ≥260 lf

☐ Renovation
☒ Demolition

☒ Full Containment with Negative Pressure
☒ Mini-Enclosure
☒ Glovebag Procedure
☒ Non-Exempted (*) and Non-Friable Procedure

| Location of Asbestos-Containing Material (ACM) TO BE ABATED In Facility (13) | Is Location Normally Used Solely by Maintenance/ Custodial Staff? (12) Yes | No | N/A | Description of Asbestos Containing Material (ACM) (i.e. thermal systems insulation, surfacing, VAT, or other miscellaneous) | Amount (Specify SF or LF) | Abatement Type: Removal | Repair | Encapsulate | Enclosure |
|---|---|---|---|---|---|---|---|---|---|
| See attached | | X | | See attached | See attached | X | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| | | | |
|---|---|---|---|
| Name of Registered Waste Hauler<br>Freehold Cartage | NJDEP Waste Hauler ID No.<br>NJD054126164 | Cubic Yards of Waste<br>974 | Name of Registered Landfill<br>Envirosafe Services of Ohio |
| City, State<br>Freehold, New Jersey | | Disposal Date<br>10-18/11-18-11 | City, State<br>Oregon, Ohio |

| | | | |
|---|---|---|---|
| Completed by<br>John E. Savage | Title<br>Vice President | Signature<br>John E Savage | Date<br>10-06-11 |

ASB-41 (R-06-08)

Do not use this form for asbestos licensure exempted activities.

State of New Jersey
**NOTIFICATION OF ASBESTOS ABATEMENT**
(Pursuant to NJAC 8:60 and 12:120)

| | |
|---|---|
| Date of Notification (1): 9-22-11 (1) 9-26-11(2)10-03-11 | Name of Building Owner/Operator (2): Town of Kearny |
| Agencies Notified: [X] EPA [ ] DEP [X] DOL [X] DOH [ ] DCA | Type Notification: [ ] Initial [X] Amended Amendment #2 [ ] Emergency (including justification) [ ] Cancellation |
| | Street Address: 402 Kearny Avenue |
| | City, State, Zip Code: Kearney, NJ 07032 |
| | Name of Contact: Michael Martello — Telephone Number: 201-955-7400 |

**FACILITY INFORMATION**

| | |
|---|---|
| Name of Facility Where Abatement is Taking Place (3): Standard Chlorine Chemical Co. | Type of Facility (4): [ ] School (K-12) [ ] Subchapter 8 (Other than K-12) [X] Other (i.e. private & commercial buildings, homes, etc.) |
| Street Address: 1015-1035 Belleville Turnpike | |
| City (5): Kearney | Square Feet: See attached; # of Floors: see attached; Bldg. Age: 50+ |
| County (6): Hudson; County Code (7) (STATE USE ONLY): | Current Use (Prior if being demolished): Chemical plant |
| Name of Monitoring Firm Hired by Building Owner (8): Environmental Tactics, Inc. — ASCM No.: 0045 | Name of Abatement Contractor (9): Precision Environmental Co. |
| Street Address: 64 Broad Street | Street Address: 5500 Old Brecksville Rd |
| City, State, Zip Code: Matawan, NJ 07747 | City, State, Zip Code: Independence, Ohio 44131 |
| Project Manager for Monitoring Firm: Thomas P. Geiger — Telephone No.: 732-290-2217 | Telephone No.: 216-642-6040 — License No.: 01143 |
| Start Date (10): 10-11-11 — Scheduled Completion Date (11): 11-18-11 | Name of OSHA Monitor: Environmental Tactics, Inc |
| Occupancy Status During Abatement (Check Only One): [X] Facility Closed/Vacated During Entire Period of Abatement [ ] Abatement Performed Outside of Normal Facility Hours [ ] Other – Describe: | Street Address: 64 Broad Street; City, State, Zip Code: Matawan, NJ 07747 |

Scope of Work (Check All That Apply)

[ ] ≥3 sf or ≥3 lf
[X] ≥160 sf or ≥260 lf

[ ] Renovation
[X] Demolition

[X] Full Containment with Negative Pressure
[X] Mini-Enclosure
[X] Glovebag Procedure
[X] Non-Exempted (*) and Non-Friable Procedure

| Location of Asbestos-Containing Material (ACM) TO BE ABATED In Facility (13) | Is Location Normally Used Solely by Maintenance/ Custodial Staff? (12) Yes | No | N/A | Description of Asbestos Containing Material (ACM) (i.e. thermal systems insulation, surfacing, VAT, or other miscellaneous) | Amount (Specify SF or LF) | Abatement Type: Removal | Repair | Encapsulate | Enclosure |
|---|---|---|---|---|---|---|---|---|---|
| See attached | | X | | See attached | See attached | X | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| | | | |
|---|---|---|---|
| Name of Registered Waste Hauler: Freehold Cartage | NJDEP Waste Hauler ID No.: NJD054126164 | Cubic Yards of Waste: 974 | Name of Registered Landfill: Envirosafe Services of Ohio |
| City, State: Freehold, New Jersey | | Disposal Date: 10-10/11-18-11 | City, State: Oregon, Ohio |

| Completed by | Title | Signature | Date |
|---|---|---|---|
| John E. Savage | Vice President | John E. Savage | 10-03-11 |

ASB-41 (R-06-08)

Do not use this form for asbestos licensure exempted activities.

State of New Jersey
**NOTIFICATION OF ASBESTOS ABATEMENT**
(Pursuant to NJAC 8:60 and 12:120)

| | |
|---|---|
| Date of Notification (1): 9-22-11 (1) 9-26-11 | Name of Building Owner/Operator (2): Standard Chlorine Chemical Co., Inc |
| Agencies Notified: ☒ EPA ☐ DEP ☒ DOL ☒ DOH ☐ DCA | Type Notification: ☐ Initial ☒ Amended Amendment # 1 ☐ Emergency (including justification) ☐ Cancellation |
| | Street Address: 1025-1035 Belleville Turnpike |
| | City, State, Zip Code: Kearney, NJ 07302 |
| | Name of Contact: Margaret Kelly — Telephone Number: 201-997-1000 |

**FACILITY INFORMATION**

| | |
|---|---|
| Name of Facility Where Abatement is Taking Place (3): Standard Chlorine Chemical Co. | Type of Facility (4): ☐ School (K-12) ☐ Subchapter 8 (Other than K-12) ☒ Other (i.e. private & commercial buildings, homes, etc.) |
| Street Address: 1015-1035 Belleville Turnpike | |
| City (5): Kearney | Square Feet: See attached; # of Floors: see attached; Bldg. Age: 50+ |
| County (6): Hudson; County Code (7) (STATE USE ONLY) | Current Use (Prior if being demolished): Chemical plant |
| Name of Monitoring Firm Hired by Building Owner (8): Environmental Tactics, Inc. — ASCM No.: 0045 | Name of Abatement Contractor (9): Precision Environmental Co. |
| Street Address: 64 Broad Street | Street Address: 5500 Old Brecksville Rd |
| City, State, Zip Code: Matawan, NJ 07747 | City, State, Zip Code: Independence, Ohio 44131 |
| Project Manager for Monitoring Firm: Thomas P. Geiger — Telephone No.: 732-290-2217 | Telephone No.: 216-642-6040 — License No.: 01143 |
| Start Date (10): 10-10-11 — Scheduled Completion Date (11): 11-18-11 | Name of OSHA Monitor: Environmental Tactics, Inc |
| Occupancy Status During Abatement (Check Only One): ☒ Facility Closed/Vacated During Entire Period of Abatement ☐ Abatement Performed Outside of Normal Facility Hours ☐ Other – Describe: | Street Address: 64 Broad Street; City, State, Zip Code: Matawan, NJ 07747 |

Scope of Work (Check All That Apply)

☐ ≥3 sf or ≥3 lf
☒ ≥160 sf or ≥260 lf
☐ Renovation
☒ Demolition
☒ Full Containment with Negative Pressure
☒ Mini-Enclosure
☒ Glovebag Procedure
☒ Non-Exempted (*) and Non-Friable Procedure

| Location of Asbestos-Containing Material (ACM) TO BE ABATED In Facility (13) | Is Location Normally Used Solely by Maintenance/ Custodial Staff? (12) Yes | No | N/A | Description of Asbestos Containing Material (ACM) (i.e. thermal systems insulation, surfacing, VAT, or other miscellaneous) | Amount (Specify SF or LF) | Abatement Type: Removal | Repair | Encapsulate | Enclosure |
|---|---|---|---|---|---|---|---|---|---|
| See attached | | X | | See attached | See attached | X | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| | | | |
|---|---|---|---|
| Name of Registered Waste Hauler: Freehold Cartage | NJDEP Waste Hauler ID No.: NJD054126164 | Cubic Yards of Waste: 974 | Name of Registered Landfill: Envirosafe Services of Ohio |
| City, State: Freehold, New Jersey | | Disposal Date: 10-10/11-18-11 | City, State: Oregon, Ohio |

| Completed by | Title | Signature | Date |
|---|---|---|---|
| John E. Savage | Vice President | John E. Savage | 09-26-11 |

ASB-41 (R-06-08)

*Do not use this form for asbestos licensure exempted activities.

State of New Jersey
NOTIFICATION OF ASBESTOS ABATEMENT
(Pursuant to NJAC 8:60 and 12:120)

| | |
|---|---|
| Date of Notification (1): 09-22-11 | Name of Building Owner/Operator (2): Envirosafe Services of Ohio |
| Agencies Notified: [X] EPA [ ] DEP [X] DOL [X] DOH [ ] DCA | Type Notification: [X] Initial [ ] Amended [ ] Amendment #_____ [ ] Emergency (including justification) [ ] Cancellation |
| | Street Address: 876 Otter Creek Road |
| | City, State, Zip Code: Oregon, Ohio 43616 |
| | Name of Contact: Lisa Humphrey — Telephone Number: 800-537-0426 X 226 |

**FACILITY INFORMATION**

| | |
|---|---|
| Name of Facility Where Abatement is Taking Place (3): Standard Chlorine Chemical Co. | Type of Facility (4): [ ] School (K-12) [ ] Subchapter 8 (Other than K-12) [X] Other (i.e. private & commercial buildings, homes, etc.) |
| Street Address: 1015-1035 Belleville Turnpike | |
| City (5): Kearney | Square Feet: See attached; # of Floors: see attached; Bldg. Age: 50+ |
| County (6): Hudson; County Code (7) (STATE USE ONLY) _____ | Current Use (Prior if being demolished): Chemical plant |
| Name of Monitoring Firm Hired by Building Owner (8): Omega Environmental Services, Inc; ASCM No.: N/A | Name of Abatement Contractor (9): Precision Environmental Co. |
| Street Address: 280 Huyler Street | Street Address: 5500 Old Brecksville Rd |
| City, State, Zip Code: South Hackensack, New Jersey 07606 | City, State, Zip Code: Independence, Ohio 44131 |
| Project Manager for Monitoring Firm: Geiser Fajardo; Telephone No.: 201-480-8700 | Telephone No.: 216-642-6040; License No.: 01143 |
| Start Date (10): 10-10-11; Scheduled Completion Date (11): 11-18-11 | Name of OSHA Monitor: Geiser Fajardo, Omega Environmental Serices, Inc |
| Occupancy Status During Abatement (Check Only One): [X] Facility Closed/Vacated During Entire Period of Abatement [ ] Abatement Performed Outside of Normal Facility Hours [ ] Other – Describe: _____ | Street Address: 280 Huyler Street; City, State, Zip Code: S. Hackensack, NJ 07606 |

Scope of Work (Check All That Apply)

[ ] ≥3 sf or ≥3 lf
[ ] ≥160 sf or ≥260 lf
[ ] Renovation
[X] Demolition
[X] Full Containment with Negative Pressure
[X] Mini-Enclosure
[X] Glovebag Procedure
[X] Non-Exempted (*) and Non-Friable Procedure

| Location of Asbestos-Containing Material (ACM) TO BE ABATED In Facility (13) | Is Location Normally Used Solely by Maintenance/ Custodial Staff? (12) Yes | No | N/A | Description of Asbestos Containing Material (ACM) (i.e. thermal systems insulation, surfacing, VAT, or other miscellaneous) | Amount (Specify SF or LF) | Abatement Type: Removal | Repair | Encapsulate | Enclosure |
|---|---|---|---|---|---|---|---|---|---|
| See attached | | X | | See attached | See attached | X | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| | | | |
|---|---|---|---|
| Name of Registered Waste Hauler: Freehold Cartage | NJDEP Waste Hauler ID No.: NJD054126164 | Cubic Yards of Waste: 974 | Name of Registered Landfill: Envirosafe Services of Ohio |
| City, State: Freehold, New Jersey | | Disposal Date: 10-10/11-18-11 | City, State: Oregon, Ohio |

| Completed by | Title | Signature | Date |
|---|---|---|---|
| John E. Savage | Vice President | John E. Savage | 09-22-11 |

ASB-41 (R-06-08)

Do not use this form for asbestos licensure exempted activities.

| | Location | Material Description | Quantity |
|---|---|---|---|
| **Building 15** | | | |
| *6300 sf* | | | |
| *1 floor* | Window | Caulking/Glazing | 24- 7x7 sf |
| *50+ years* | Bulding Exterior | Transite | 56,000 sf |
| **Buillding 17** | | | |
| *1800 sf* | | | |
| *1 floor* | Window | Glazing | 17-5x4 sf |
| *50+ years* | Meter Room | Transite | 480 sf |
| **Building 18** | | | |
| *1750 sf* | | | |
| *1 floor* | Window | Caulkling/Glazing | 58-5x4 sf |
| *50+ years* | Exterior Siding | Transite Panels | 32000 sf |
| | 5th-7th Floor Throughout | Pipe Insulation | 2000 lf |
| | 6th Floor | Tank Body Insulation | 5000 sf |
| | 1st Floor | (2-layer) tank insulation | 1500 sf |
| | | Pipe Insulation | 3000 lf |
| **Building 21** | Building Exterior | Transite Shingles | 6500 sf |
| *1500 sf* | | | |
| *2 floors* | | | |
| *50+ years* | | | |

# U.S. EPA NOTIFICATION OF DEMOLITION AND RENOVATION



| Operator Project # | Postmark | Date Received | Initial |
|---|---|---|---|

**I. Type of Notification** (check one): ☐ Original ☒ Revised ☐ Canceled

**II. Facility Description**

Building Name: Standard Chlorine Chemical Co

Address: 1015-1035 Belleville Turnpike

City: Kearney State: NJ Zip Code: 07302 County: Hudson

Site Location : See attached

Building Size (square feet): See attached # of Floors: See Attached Age in Years: 50+

Present Use: Chemical plant Prior Use: Chemical plant

**III. Type of Operation** (check one): ☑ Demo ☐ Ordered Demo ☐ Renovation ☐ Emergency Renovation ☐ Fire Training

**IV. Is Asbestos Present?** (check one): ☐ Yes ☑ No

**V. Facility Information**

**Owner Name:** Town of Kearny

Address: 402 Kearny Avenue

City: Kearny State: NJ Zip Code: 07032

Contact: Michael Martello Telephone: (201) 955-7400 Fax: unknown

**Removal Contractor Name:**

Address:

City: State: Zip Code:

Contact: Telephone: ( ) Fax:

**Other Operator (demolition/general):** Precision Environmental Co

Address: 5500 Old Brecksville Rd

City: Independence State: Ohio Zip Code: 44131

Contact: John Savage Telephone: (216) 642-6040 Fax: 216-642-6041

**VI. Procedure, including analytical methods, employed to detect the presence of and to estimate the quantity of RACM and Category I and Category II non-friable ACM:**

Polarized light microscopy

**VII. Approximate Amount of Asbestos Materials:**

| SEE ATTACHED | RACM to be Removed | Non-friable Asbestos Material to be Removed | | Non-friable Asbestos Material NOT to be Removed | |
|---|---|---|---|---|---|
| | | Category I | Category II | Category I | Category II |
| Pipes (linear feet) | | | | | |
| Surface Area (square feet) | | | | | |
| Facility Components (cubic feet) | | | | | |

**VIII. Scheduled Dates Demolition or Renovation:** Start: 11-09-11 Complete: 01-31-12

**IX. Dates for Asbestos Removal** (MM/DD/YY) Start: Complete:

| Days of the Week: | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |
|---|---|---|---|---|---|---|---|
| Hours of Operation: | | | | | | | |

# U.S. EPA NOTIFICATION OF DEMOLITION AND RENOVATION



**X. Description of planned Demolition or Renovation work to be performed and method(s) to be employed, including demolition or renovation techniques to be used and description of affected facility components:**

Buildings to be razed utilizend standard wet emthod demolition techniques

**XI. Description of work practices and engineering controls to be used to comply with the requirements, including asbestos removal and waste handling emission control procedures:**

In conjunction with the above referenced procedures, the following shall be] utilized: HEPA vacs, amended water, waste double bagged for disposal, negative air

**XII. Waste Transporter #1**

Name: Freehold Cartage
Address: PO Box 5010
City: Freehold State: NJ Zip Code: 07728
Contact: Telephone: (732-462-1001

**Waste Transporter #2**

Name:
Address:
City: State: Zip Code:
Contact: Telephone: ( )

**XIII. Waste Disposal**

Name: Envirosafe Services of Ohio
Address: 876 Otter Creek Rd
City: Oregon State: Ohio Zip Code: 43616
Contact: Lisa Humphrey Telephone: (419-698-3500

**XIV. Emergency Demolition** (complete Item XIV only if this project is an Emergency Demo.)

1. Attach a copy of the Order to this notice.
2. Name of Authority Issuing Order: Title:
3. Authority of Order (Citation of Code):
4. Date of Order (MM/DD/YY): Date Ordered to Begin

**XV. Emergency Renovation** (Attach separate sheet with the following information if project is Emergency Renovation.)

1. Date and Hour of the Emergency:
2. Description of the Sudden, Unexpected Event:
3. Explanation of how the event caused unsafe conditions or equipment damage or an unreasonable financial burden.

**XVI. Description of procedures to be followed in the event that unexpected RACM is found or non-friable ACM becomes crumbled, pulverized, or reduced to powder.**

Stop work,demarcate area,beginwetting asbestos containing material with amended water while wearing PPE, notify local agencies as required

**XVII. I certify that an individual trained in the provisions of NESHAP (40 CFR PART 61, SUBPART M) will be on -site during the Demolition or Renovation, and evidence that the required training has been accomplished by this person will be available during normal business hours.**

John Savage — Signature of Owner/Operator
11-18-11 — Date
John Savage, VP — Type or Print Name and Title

**XVIII. I acknowledge the existence of laws prohibiting the submission of false or misleading statements, and I certify that facts contained in this notification are true, accurate, and complete.**

John Savage — Signature of Owner/Operator
11-18-11 — Date
JOhn Savage, VP — Type or Print Name and Title

**Building 15**
*6300 sf*
*1 floor*
*50+ years*

**Building 17**
*1800 sf*
*1 floor*
*50+ years*

**Building 18**
*1750 sf*
*1 floor*
*50+ years*

**Building 21**
*1500 sf*
*2 floors*
*50+ years*

# U.S. EPA NOTIFICATION OF DEMOLITION AND RENOVATION



| Operator Project # | Postmark 10.28.11 | Date Received 10.28.11 | Notification # |
|---|---|---|---|

**I. Type of Notification** (check one): ☑ Original ☐ Revised ☐ Canceled

US Environmental Protection Agency - Region 2
Division of Enforcement & Compliance Assistance
Air Compliance Branch (DECA-ACB)
290 Broadway - 21st Floor
New York, NY 10007-1866

**II. Facility Description**

Building Name: Standard Chlorine Chemical Co

Address: 1015-1035 Belleville Turnpike

City: Kearney State: NJ Zip Code: 07302 County: Hudson

Site Location: See attached

Building Size (square feet): See attached # of Floors: See Attached Age in Years: 50+

Present Use: Chemical plant Prior Use: Chemical plant

**III. Type of Operation** (check one): ☑ Demo ☐ Ordered Demo ☐ Renovation ☐ Emergency Renovation ☐ Fire Training

**IV. Is Asbestos Present?** (check one): ☐ Yes ☑ No

**V. Facility Information**

**Owner Name:** Town of Kearny

Address: 402 Kearny Avenue

City: Kearny State: NJ Zip Code: 07032

Contact: Michael Martello Telephone: (201) 955-7400 Fax: unknown

**Removal Contractor Name:**

Address:

City: State: Zip Code:

Contact: Telephone: ( ) Fax:

**Other Operator (demolition/general):** Precision Environmental Co

Address: 5500 Old Brecksville Rd

City: Independence State: Ohio Zip Code: 44131

Contact: John Savage Telephone: (216) 642-6040 Fax: 216-642-6041

**VI. Procedure, including analytical methods, employed to detect the presence of and to estimate the quantity of RACM and Category I and Category II non-friable ACM:**

Polarized light microscopy

**VII. Approximate Amount of Asbestos Materials:**

| SEE ATTACHED | RACM to be Removed | Non-friable Asbestos Material to be Removed | | Non-friable Asbestos Material NOT to be Removed | |
|---|---|---|---|---|---|
| | | Category I | Category II | Category I | Category II |
| Pipes (linear feet) | | | | | |
| Surface Area (square feet) | | | | | |
| Facility Components (cubic feet) | | | | | |

**VIII. Scheduled Dates Demolition or Renovation:** Start: 11-09-11 Complete: 11-22-11

**IX. Dates for Asbestos Removal** (MM/DD/YY) Start: Complete:

| Days of the Week: | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |
|---|---|---|---|---|---|---|---|
| Hours of Operation: | | | | | | | |

# U.S. EPA NOTIFICATION OF DEMOLITION AND RENOVATION



**X. Description of planned Demolition or Renovation work to be performed and method(s) to be employed, including demolition or renovation techniques to be used and description of affected facility components:**

Buildings to be razed utilizend standard wet emthod demolition techniques

**XI. Description of work practices and engineering controls to be used to comply with the requirements, including asbestos removal and waste handling emission control procedures:**

In conjunction with the above referenced procedures, the following shall be] utilized: HEPA vacs, amended water, waste double bagged for disposal, negative air

**XII. Waste Transporter #1**

Name: Freehold Cartage
Address: PO Box 5010
City: Freehold State: NJ Zip Code: 07728
Contact: Telephone: (732-462-1001

**Waste Transporter #2**

Name:
Address:
City: State: Zip Code:
Contact: Telephone: ( )

**XIII. Waste Disposal**

Name: Envirosafe Services of Ohio
Address: 876 Otter Creek Rd
City: Oregon State: Ohio Zip Code: 43616
Contact: Lisa Humphrey Telephone: (419-698-3500

**XIV. Emergency Demolition** (complete Item XIV only if this project is an Emergency Demo.)

1. Attach a copy of the Order to this notice.
2. Name of Authority Issuing Order: Title:
3. Authority of Order (Citation of Code):
4. Date of Order (MM/DD/YY): Date Ordered to Begin

**XV. Emergency Renovation** (Attach separate sheet with the following information if project is Emergency Renovation.)

1. Date and Hour of the Emergency:
2. Description of the Sudden, Unexpected Event:
3. Explanation of how the event caused unsafe conditions or equipment damage or an unreasonable financial burden.

**XVI. Description of procedures to be followed in the event that unexpected RACM is found or non-friable ACM becomes crumbled, pulverized, or reduced to powder.**

Stop work,demarcate area,beginwetting asbestos containing material with amended water while wearing PPE, notify local agencies as required

**XVII. I certify that an individual trained in the provisions of NESHAP (40 CFR PART 61, SUBPART M) will be on -site during the Demolition or Renovation, and evidence that the required training has been accomplished by this person will be available during normal business hours.**

John Savage — **Signature of Owner/Operator**
10-26-11 — **Date**
John Savage, VP — **Type or Print Name and Title**

**XVIII. I acknowledge the existence of laws prohibiting the submission of false or misleading statements, and I certify that facts contained in this notification are true, accurate, and complete.**

John Savage — **Signature of Owner/Operator**
10-26-11 — **Date**
JOhn Savage, VP — **Type or Print Name and Title**

**Building 15**
*6300 sf*
*1 floor*
*50+ years*

**Building 17**
*1800 sf*
*1 floor*
*50+ years*

**Building 18**
*1750 sf*
*1 floor*
*50+ years*

**Building 21**
*1500 sf*
*2 floors*
*50+ years*

Town of Kearny
410 Kearny Avenue
Kearny, NJ 07032
201 - 955-7880

1105214

Permit Number: 20111074
Update Number:
Control Number: 43357
Application Date: 11/02/2011
Permit Date: 11/02/2011

# CONSTRUCTION PERMIT

## IDENTIFICATION

**OWNER/PROPERTY DETAILS**

Block: 287 Lot: 48 Qualification Code: HM
Work Site Location: PIKE & MEADOWS KEARNY

Owner In Fee: KEARNY. TOWN OF
Address: 402 KEARNY AVE
KEARNY NJ 07032-0602

Telephone: ()

Use Group(s): F-2

Contractor: Precision Environmental Company
Address: 5500 Old Brecksville Road
Independence OH 44131

Telephone: (216) 642-6040

Lic. No. / Bldrs. Reg. No.:

Federal Emp. No.: 34-1570806

is hereby granted permission to perform the following work :

[ X ]BUILDING [ ]PLUMBING [ ] DEMOLITION
[ ]ELECTRICAL [ ]FIRE PROTECTION [ ] OTHER
[ ]ELEVATOR DEVICES [ ]MECHANICAL
[ X ]ASBESTOS ABATEMENT [ ]LEAD HAZARD ABATEMENT

(Subchapter 8 only)

DESCRIPTION OF WORK:
Abestos Abatement of Building #15 for Building demo for Town of Kearny property - (old Standard Clorine Bldg)

ESTIMATED COST OF WORK:

| | |
|---|---|
| Cost of Construction: | 0.00 |
| Cost of Rehabilitation: | 50,000.00 |
| Cost of Demolition: | 0.00 |
| Total Cost: | $50,000.00 |

| PAYMENTS (Office Use Only) | |
|---|---|
| Building | $84.00 |
| Electrical | |
| Plumbing | |
| Fire Protection | |
| Elevator Devices | |
| Mechanical | |
| VolFee (DCA) | |
| AltFee (DCA) | |
| DCA Minimum Fee | $1.00 |
| Other Fees | |
| CO Fee | |
| CCO Fee | |
| Minimum Fee | |
| **Total** | |
| All Fees Waived: | Yes |

**Amount to be Paid:**

NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Anthony Chisari ASST. Construction Official

11/2/11
Date

Town of Kearny
410 Kearny Avenue
Kearny, NJ 07032
201 - 955-7880

Permit Number: 20111075
Update Number:
Control Number: 43358
Application Date: 11/02/2011
Permit Date: 11/02/2011

# CONSTRUCTION PERMIT

## IDENTIFICATION

**OWNER/PROPERTY DETAILS**

Block: 287 Lot: 48 Qualification Code: HM
Work Site Location: PIKE & MEADOWS KEARNY

Owner In Fee: KEARNY. TOWN OF
Address: 402 KEARNY AVE
KEARNY NJ 07032-0602

Telephone: ()

Use Group(s): F-2

Contractor: Precision Environmental Company
Address: 5500 Old Brecksville Road
Independence OH 44131

Telephone: (216) 642-6040

Lic. No. / Bldrs. Reg. No.:

Federal Emp. No.: 34-1570806

is hereby granted permission to perform the following work :

[ X ]BUILDING [ ]PLUMBING [ ] DEMOLITION
[ ]ELECTRICAL [ ]FIRE PROTECTION [ ] OTHER
[ ]ELEVATOR DEVICES [ ]MECHANICAL
[ X ]ASBESTOS ABATEMENT [ ]LEAD HAZARD ABATEMENT

(Subchapter 8 only)

DESCRIPTION OF WORK:
Abestos Abatement of Building #17 for Building demo for Town of Kearny - (old Standard Clorine Bldg)

ESTIMATED COST OF WORK:

| | |
|---|---|
| Cost of Construction: | 0.00 |
| Cost of Rehabilitation: | 50,000.00 |
| Cost of Demolition: | 0.00 |
| Total Cost: | $50,000.00 |

| PAYMENTS (Office Use Only) | |
|---|---|
| Building | $84.00 |
| Electrical | |
| Plumbing | |
| Fire Protection | |
| Elevator Devices | |
| Mechanical | |
| VolFee (DCA) | |
| AltFee (DCA) | |
| DCA Minimum Fee | $1.00 |
| Other Fees | |
| CO Fee | |
| CCO Fee | |
| Minimum Fee | |
| **Total** | |
| All Fees Waived: | Yes |

**Amount to be Paid:**

NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Anthony Chisari ASST.
Construction Official

11/2/11
Date

Town of Kearny
410 Kearny Avenue
Kearny, NJ 07032
201 - 955-7880

Permit Number: 20111076
Update Number:
Control Number: 43359
Application Date: 11/02/2011
Permit Date: 11/02/2011

# CONSTRUCTION PERMIT

## IDENTIFICATION

**OWNER/PROPERTY DETAILS**

Block: 287 Lot: 48 Qualification Code: HM
Work Site Location: PIKE & MEADOWS KEARNY

Owner In Fee: KEARNY. TOWN OF
Address: 402 KEARNY AVE
KEARNY NJ 07032-0602

Telephone: ()

Use Group(s): F-2

Contractor: Precision Environmental Company
Address: 5500 Old Brecksville Road
Independence OH 44131

Telephone: (216) 642-6040

Lic. No. / Bldrs. Reg. No.:

Federal Emp. No.: 34-1570806

is hereby granted permission to perform the following work :

[ X ]BUILDING [ ]PLUMBING [ ] DEMOLITION
[ ]ELECTRICAL [ ]FIRE PROTECTION [ ] OTHER
[ ]ELEVATOR DEVICES [ ]MECHANICAL
[ X ]ASBESTOS ABATEMENT [ ]LEAD HAZARD ABATEMENT

(Subchapter 8 only)

DESCRIPTION OF WORK:
Abertos Abatement of Building #18 for building demo for Town of Kearny property (old Standard Clorine Bldg)

ESTIMATED COST OF WORK:

| | |
|---|---|
| Cost of Construction: | 0.00 |
| Cost of Rehabilitation: | 150,000.00 |
| Cost of Demolition: | 0.00 |
| Total Cost: | $150,000.00 |

| PAYMENTS (Office Use Only) | |
|---|---|
| Building | $84.00 |
| Electrical | |
| Plumbing | |
| Fire Protection | |
| Elevator Devices | |
| Mechanical | |
| VolFee (DCA) | |
| AltFee (DCA) | |
| DCA Minimum Fee | $1.00 |
| Other Fees | |
| CO Fee | |
| CCO Fee | |
| Minimum Fee | |
| **Total** | |
| All Fees Waived: | Yes |

**Amount to be Paid:**

NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Anthony Chisari ASST. Construction Official

11/2/11
Date

Town of Kearny
410 Kearny Avenue
Kearny, NJ 07032
201 - 955-7880

Permit Number: 20111077
Update Number:
Control Number: 43360
Application Date: 11/02/2011
Permit Date: 11/02/2011

# CONSTRUCTION PERMIT

## IDENTIFICATION

**OWNER/PROPERTY DETAILS**

Block: 287 Lot: 48 Qualification Code: HM
Work Site Location: PIKE & MEADOWS KEARNY

Owner In Fee: KEARNY. TOWN OF
Address: 402 KEARNY AVE
KEARNY NJ 07032-0602

Telephone: ()

Use Group(s): F-2

Contractor: Precision Environmental Company
Address: 5500 Old Brecksville Road
Independence OH 44131

Telephone: (216) 642-6040

Lic. No. / Bldrs. Reg. No.:

Federal Emp. No.: 34-1570806

is hereby granted permission to perform the following work :

[ X ]BUILDING [ ]PLUMBING [ ] DEMOLITION
[ ]ELECTRICAL [ ]FIRE PROTECTION [ ] OTHER
[ ]ELEVATOR DEVICES [ ]MECHANICAL
[ X ]ASBESTOS ABATEMENT [ ]LEAD HAZARD ABATEMENT

(Subchapter 8 only)

DESCRIPTION OF WORK:
Abestos Abatement of Building #21 for building demo for Town of Kearny property (old Standard Clorine Bldg)

ESTIMATED COST OF WORK:

| | |
|---|---|
| Cost of Construction: | 0.00 |
| Cost of Rehabilitation: | 50,000.00 |
| Cost of Demolition: | 0.00 |
| Total Cost: | $50,000.00 |

| PAYMENTS (Office Use Only) | |
|---|---|
| Building | $84.00 |
| Electrical | |
| Plumbing | |
| Fire Protection | |
| Elevator Devices | |
| Mechanical | |
| VolFee (DCA) | |
| AltFee (DCA) | |
| DCA Minimum Fee | $0.00 |
| Other Fees | |
| CO Fee | |
| CCO Fee | |
| Minimum Fee | |
| **Total** | |
| All Fees Waived: | Yes |

**Amount to be Paid:**

NOTE: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Anthony Chisari ASST.
Construction Official

Date 11/2/11

## Ralph Venturini

**To:** Chisari,Tony

**Cc:** mmartello@kearnynj.org; ssmolenski@penv.net; Allison Koterba; Bruno Rondi; Mark Skerbetz; Ronald Seelogy

**Subject:** Demo/Asbestos Abatement Permit

Re: Standard Chlorine, Asbestos Abatement/Demolition Permit
1025-1035 & 1015 Belleville Tpk.
Block 287, Lot 48
Town of Kearny, NJ

Tony,

Please be advised that the NJMC does not issue permits for demolition/asbestos abatement, as no UCC plan review is required for these applications. Please issue any demo/asbestos abatement permits through your office in accordance with NJUCC Subchapter 8.

Thanks,

Ralph

Ralph Venturini, CFM
Chief of Code Enforcement
Emergency Coordinator
Deputy Director of Land Use Management
New Jersey Meadowlands Commission
One DeKorte Park Plaza
Lyndhurst, NJ 07071
p. 201-460-4639
f. 201-372-0161
ralph.venturini@njmeadowlands.gov
www.njmeadowlands.gov

OCT 26 2011

2011107 4

## Ralph Venturini

**To:** Chisari,Tony

**Cc:** mmartello@kearnynj.org; ssmolenski@penv.net; Allison Koterba; Bruno Rondi; Mark Skerbetz; Ronald Seelogy

**Subject:** Demo/Asbestos Abatement Permit

Re: Standard Chlorine, Asbestos Abatement/Demolition Permit
1025-1035 & 1015 Belleville Tpk.
Block 287, Lot 48
Town of Kearny, NJ

Tony,

Please be advised that the NJMC does not issue permits for demolition/asbestos abatement, as no UCC plan review is required for these applications. Please issue any demo/asbestos abatement permits through your office in accordance with NJUCC Subchapter 8.

Thanks,

Ralph

Ralph Venturini, CFM
Chief of Code Enforcement
Emergency Coordinator
Deputy Director of Land Use Management
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ralph.venturini@njmeadowlands.gov
www.njmeadowlands.gov

OCT 26 2011

2011107 5

~~2011107 4~~

## Ralph Venturini

**To:** Chisari,Tony

**Cc:** mmartello@kearnynj.org; ssmolenski@penv.net; Allison Koterba; Bruno Rondi; Mark Skerbetz; Ronald Seelogy

**Subject:** Demo/Asbestos Abatement Permit

Re: Standard Chlorine, Asbestos Abatement/Demolition Permit
1025-1035 & 1015 Belleville Tpk.
Block 287, Lot 48
Town of Kearny, NJ

Tony,

Please be advised that the NJMC does not issue permits for demolition/asbestos abatement, as no UCC plan review is required for these applications. Please issue any demo/asbestos abatement permits through your office in accordance with NJUCC Subchapter 8.

Thanks,

Ralph

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p. 201-460-4639
f. 201-372-0161
ralph.venturini@njmeadowlands.gov
www.njmeadowlands.gov

OCT 26 2011

2011076

## Ralph Venturini

**To:** Chisari,Tony

**Cc:** mmartello@kearnynj.org; ssmolenski@penv.net; Allison Koterba; Bruno Rondi; Mark Skerbetz; Ronald Seelogy

**Subject:** Demo/Asbestos Abatement Permit

Re: Standard Chlorine, Asbestos Abatement/Demolition Permit
1025-1035 & 1015 Belleville Tpk.
Block 287, Lot 48
Town of Kearny, NJ

Tony,

Please be advised that the NJMC does not issue permits for demolition/asbestos abatement, as no UCC plan review is required for these applications. Please issue any demo/asbestos abatement permits through your office in accordance with NJUCC Subchapter 8.

Thanks,

Ralph

Ralph Venturini, CFM
Chief of Code Enforcement
Emergency Coordinator
Deputy Director of Land Use Management
New Jersey Meadowlands Commission
One DeKorte Park Plaza
Lyndhurst, NJ 07071
p. 201-460-4639
f. 201-372-0161
ralph.venturini@njmeadowlands.gov
www.njmeadowlands.gov

OCT 26 2011

20111077

# BUILDING SUBCODE
## TECHNICAL SECTION

Date Received 11/2/11
Control # 43357
Date Issued 11/2/11
Permit # 20111074

**A. IDENTIFICATION—APPLICANT:** COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 287 Lot 48 Qualification Code 49, 49.01450 TRAILER

Work Site Location 1025-1035 BELLEVILLE TURNPIKE

Owner in Fee: TOWN OF KEARNY

Tel. (201) 955-7400 e-mail

Address 402 KEARNY AVE (street) KEARNY, NJ (municipality) 07032 (zip code)

Contractor: PRECISION ENVIRONMENTAL #913 Tel. (216) 642-6040

Address 5500 OLD BRECKSVILLE 44131 e-mail JREEVES

Contractor License No. or Builder Registration No. 01143 Exp. Date 4/22/12

Home Improvement Contractor Registration No. or Exemption Reason (if applicable):

Federal Emp. ID No. FAX: ( )

**JOB SUMMARY (Office Use Only)**

| PLAN REVIEW | Date | Initial |
|---|---|---|
| [ ] No Plans Required | | |
| [X] All | 10/21 | |
| [ ] Footing | | |
| [ ] Foundation | | |
| [ ] Frame | | |
| [ ] Other | | |

Joint Plan Review Required:
[ ] Elec. [ ] Plumb. [ ] Fire [ ] Elevator

SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA
Date:
Approved by:

| INSPECTIONS Type: | Failure | Failure | Approval | Initial |
|---|---|---|---|---|
| Footing | | | | |
| Footing Bonding | | | | |
| Foundation | | | | |
| Slab | | | | |
| Frame | | | | |
| Truss Sys./Bracing | | | | |
| Barrier-Free | | | | |
| Insulation | | | | |
| Finishes -Base Layer | | | | |
| Finishes -Final | | | | |
| Energy | | | | |
| Mechanical | | | | |
| TCO | | | | |
| Other | | | | |
| Final | | | | |
| Barrier-Free | | | | |

Dates (Month/Day)

**B. BUILDING CHARACTERISTICS**

Use Group Present ____ Proposed ____
Constr. Class Present ____ Proposed ____
No. of Stories ____
Height of Structure ____ Ft.
Area — Largest Floor ____ Sq. Ft.
New Bldg. Area/All Floors ____ Sq. Ft.
Volume of New Structure ____ Cu. Ft.
Total Land Area Disturbed ____ Sq. Ft.

**Est. Cost of Bldg. Work:**
1. New Bldg. $
2. Rehabilitation $
3. Total (1+ 2) $ 50,000

**C. CERTIFICATION IN LIEU OF OATH**

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Signature

**D. TECHNICAL SITE DATA**

DESCRIPTION OF WORK

ASBESTOS ABATEMENT OF BUILDING 15 (FOR BLDG DEMO)

TYPE OF WORK:
[ ] New Building
[ ] Addition
[ ] Rehabilitation
[ ] Roofing
[ ] Siding
[ ] Fence ____ Height (exceeds 6')
[ ] Sign ____ Sq. Ft.
[ ] Pool
[ ] Retaining Wall ____ Sq. Ft.
[ ] Asbestos Abatement Subchapter 8
[ ] Lead Haz. Abatement NJAC 5:17
[ ] Radon Remediation
[ ] Other ____
[ ] Demolition

FEE (Office Use Only)
$

Administrative Surcharge $
Minimum Fee $
State Permit Surcharge Fee $ N/C
TOTAL FEE $

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# BUILDING SUBCODE
## TECHNICAL SECTION

Date Received
Control # 43358
Date Issued 11/2/11
Permit # 20111025

**A. IDENTIFICATION—APPLICANT:** COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 287 Lot 48 Qualification Code 49,49.01450

Work Site Location 1015 Belleville Turnpike #17

Owner in Fee: Town of Kearny

Tel. (201) 955-7400 e-mail

Address 402 Kearny Avenue Kearny, NJ 07032
street municipality zip code

Contractor: Precision Environmental Tel. (216) 642-6040

Address 5500 Old Brecksville Rd 44131 e-mail JREEVES@PENV.NET

Contractor License No. or Builder Registration No. 01143 Exp. Date 4/22/12

Home Improvement Contractor Registration No. or Exemption Reason (if applicable):

Federal Emp. ID No. 34-1570806 FAX: (216) 642-6041

**JOB SUMMARY (Office Use Only)**

| PLAN REVIEW | Date | Initial |
|---|---|---|
| [ ] No Plans Required | | |
| [ ] All | | |
| [ ] Footing | | |
| [ ] Foundation | | |
| [ ] Frame | | |
| [ ] Other | | |

Joint Plan Review Required:
[ ] Elec. [ ] Plumb. [ ] Fire [ ] Elevator

SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA
Date:
Approved by:

| INSPECTIONS Type: | Failure | Dates (Month/Day) Failure | Approval | Initial |
|---|---|---|---|---|
| Footing | | | | |
| Footing Bonding | | | | |
| Foundation | | | | |
| Slab | | | | |
| Frame | | | | |
| Truss Sys./Bracing | | | | |
| Barrier-Free | | | | |
| Insulation | | | | |
| Finishes -Base Layer | | | | |
| Finishes -Final | | | | |
| Energy | | | | |
| Mechanical | | | | |
| TCO | | | | |
| Other | | | | |
| Final | | | | |
| Barrier-Free | | | | |

**B. BUILDING CHARACTERISTICS**

Use Group Present Proposed
Constr. Class Present Proposed
No. of Stories
Height of Structure Ft.
Area — Largest Floor Sq. Ft.
New Bldg. Area/All Floors Sq. Ft.
Volume of New Structure Cu. Ft.
Total Land Area Disturbed Sq. Ft.

**Est. Cost of Bldg. Work:**
1. New Bldg. $
2. Rehabilitation $
3. Total (1+ 2) $ 50,000

**C. CERTIFICATION IN LIEU OF OATH**

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Signature

**D. TECHNICAL SITE DATA**

DESCRIPTION OF WORK

Asbestos abatement of building 17 (for bldg demo)

TYPE OF WORK:
[ ] New Building
[ ] Addition
[ ] Rehabilitation
[ ] Roofing
[ ] Siding
[ ] Fence Height (exceeds 6')
[ ] Sign Sq. Ft.
[ ] Pool
[ ] Retaining Wall Sq. Ft.
[ ] Asbestos Abatement Subchapter 8
[ ] Lead Haz. Abatement NJAC 5:17
[ ] Radon Remediation
[ ] Other
[ ] Demolition

FEE (Office Use Only)
$

Administrative Surcharge $
Minimum Fee $
State Permit Surcharge Fee $
TOTAL FEE $

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# BUILDING SUBCODE
## TECHNICAL SECTION

Date Received 10/20/11
Control # 43359
Date Issued 11/2/11
Permit # 20111076

**A. IDENTIFICATION—APPLICANT:** COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000. 49, 49.01450

Block 287 Lot 48 Qualification Code

Work Site Location 1025-1035 BELLEVILLE TURNPIKE #18

Owner in Fee: TOWN OF KEARNY

Tel. (201) 955-7400 e-mail

Address 402 KEARNY AVE KEARNY NJ 07032
street municipality zip code

Contractor: PRECISION ENVIRONMENTAL Tel. (216) 642-6040

Address 5500 OLD Brecksville 44131 e-mail JREEVES@PENV.NET

Contractor License No. or Builder Registration No. 01143 Exp. Date 4/22/12

Home Improvement Contractor Registration No. or Exemption Reason (if applicable):

Federal Emp. ID No. 34-1570806 FAX: (216) 642-6041

**JOB SUMMARY (Office Use Only)**

| PLAN REVIEW | Date | Initial |
|---|---|---|
| [ ] No Plans Required | | |
| [ ] All | | |
| [ ] Footing | 10/27/11 | |
| [ ] Foundation | | |
| [ ] Frame | | |
| [ ] Other | | |

Joint Plan Review Required:
[ ] Elec. [ ] Plumb. [ ] Fire [ ] Elevator

SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA
Date:
Approved by:

| INSPECTIONS Type: | Failure | Dates (Month/Day) Failure | Approval | Initial |
|---|---|---|---|---|
| Footing | | | | |
| Footing Bonding | | | | |
| Foundation | | | | |
| Slab | | | | |
| Frame | | | | |
| Truss Sys./Bracing | | | | |
| Barrier-Free | | | | |
| Insulation | | | | |
| Finishes -Base Layer | | | | |
| Finishes -Final | | | | |
| Energy | | | | |
| Mechanical | | | | |
| TCO | | | | |
| Other | | | | |
| Final | | | | |
| Barrier-Free | | | | |

**B. BUILDING CHARACTERISTICS**

Use Group Present Proposed
Constr. Class Present Proposed
No. of Stories
Height of Structure Ft.
Area — Largest Floor Sq. Ft.
New Bldg. Area/All Floors Sq. Ft.
Volume of New Structure Cu. Ft.
Total Land Area Disturbed Sq. Ft.

**Est. Cost of Bldg. Work:**
1. New Bldg. $
2. Rehabilitation $
3. Total (1+ 2) $ 150,000

**C. CERTIFICATION IN LIEU OF OATH**
I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Signature

**D. TECHNICAL SITE DATA**

DESCRIPTION OF WORK
ASBESTOS ABATEMENT
BUILDING 18
(FOR BLDG DEMO)

TYPE OF WORK:
[ ] New Building
[ ] Addition
[ ] Rehabilitation
[ ] Roofing
[ ] Siding
[ ] Fence Height (exceeds 6')
[ ] Sign Sq. Ft.
[ ] Pool
[ ] Retaining Wall Sq. Ft.
[ ] Asbestos Abatement Subchapter 8
[ ] Lead Haz. Abatement NJAC 5:17
[ ] Radon Remediation
[ ] Other
[ ] Demolition

FEE (Office Use Only)
$

Administrative Surcharge $
Minimum Fee $
State Permit Surcharge Fee $ N/C
TOTAL FEE $

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# BUILDING SUBCODE
## TECHNICAL SECTION

Date Received
Control # 43360
Date Issued 11/2/11
Permit # 20111077

**A. IDENTIFICATION—APPLICANT:** COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000

Block 287 Lot 48 Qualification Code 49.49.01450

Work Site Location 1025-1035 BELLEVILLE

Owner in Fee: TOWN OF KEARNY

Tel. (201) 955 7400 e-mail

Address 402 KEARNY AVE KEARNY 07032
street municipality zip code

Contractor: PRECISION ENVIRONMENTAL Tel. (216) 642-6040

Address 5500 OLD BRECKSVILLE 44131 e-mail

Contractor License No. or Builder Registration No. 01143 Exp. Date 4/22/12

Home Improvement Contractor Registration No. or Exemption Reason (if applicable):

Federal Emp. ID No. 34-1570806 FAX: (216) 642-6041

**JOB SUMMARY (Office Use Only)**

| PLAN REVIEW | Date | Initial |
|---|---|---|
| [X] No Plans Required | | |
| [ ] All | | |
| [ ] Footing | | |
| [ ] Foundation | | |
| [ ] Frame | | |
| [ ] Other | | |

Joint Plan Review Required:
[ ] Elec. [ ] Plumb. [ ] Fire [ ] Elevator

SUBCODE APPROVAL
[ ] CO [ ] CCO [ ] CA
Date:
Approved by:

| INSPECTIONS Type: | Failure | Failure | Approval | Initial |
|---|---|---|---|---|
| Footing | | | | |
| Footing Bonding | | | | |
| Foundation | | | | |
| Slab | | | | |
| Frame | | | | |
| Truss Sys./Bracing | | | | |
| Barrier-Free | | | | |
| Insulation | | | | |
| Finishes -Base Layer | | | | |
| Finishes -Final | | | | |
| Energy | | | | |
| Mechanical | | | | |
| TCO | | | | |
| Other | | | | |
| Final | | | | |
| Barrier-Free | | | | |

Dates (Month/Day)

**B. BUILDING CHARACTERISTICS**

Use Group Present _____ Proposed _____
Constr. Class Present _____ Proposed _____
No. of Stories _____
Height of Structure _____ Ft.
Area — Largest Floor _____ Sq. Ft.
New Bldg. Area/All Floors _____ Sq. Ft.
Volume of New Structure _____ Cu. Ft.
Total Land Area Disturbed _____ Sq. Ft.

**Est. Cost of Bldg. Work:**
1. New Bldg. $ _____
2. Rehabilitation $ _____
3. Total (1+ 2) $ 50,000

**C. CERTIFICATION IN LIEU OF OATH**

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Signature

**D. TECHNICAL SITE DATA**

DESCRIPTION OF WORK

ASBESTOS ABATEMENT OF BUILDING 21

(for Bldg Demo)

TYPE OF WORK:
[ ] New Building
[ ] Addition
[ ] Rehabilitation
[ ] Roofing
[ ] Siding
[ ] Fence _____ Height (exceeds 6')
[ ] Sign _____ Sq. Ft.
[ ] Pool
[ ] Retaining Wall _____ Sq. Ft.
[ ] Asbestos Abatement Subchapter 8
[ ] Lead Haz. Abatement NJAC 5:17
[ ] Radon Remediation
[ ] Other _____
[ ] Demolition

FEE (Office Use Only)
$ _____

Administrative Surcharge $ _____
Minimum Fee $ _____
State Permit Surcharge Fee $ N/C
TOTAL FEE $ _____

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**Precision Environmental Company**
**Precision ProCut**

**Respirator Assignment and Fit Test**

A successful respirator fit test has been completed by the individual named below using the respirator fit test procedure mandated in 29 CFR 1910.134 Appendix A.

Jeffrey Schneider — Name
XXX-XX-7914 — SS Number (last 4 digits)
2-19-11 — Date

9458 Cherry Tree DR #103, Strongsville, OH 44136
Address (street, city, state, zip)

| Respirator Model | Size | | | Pass | Fail |
|---|---|---|---|---|---|
| ☒ North 5500/7700 Half Face | S ☐ | M ☐ | L ☒ | ☒ | ☐ |
| ☒ 3M Powerflow Full Face PAPR | S ☐ | M ☐ | L ☒ | ☒ | ☐ |
| ☐ Other: _____ | S ☐ | M ☐ | L ☐ | ☐ | ☐ |

Annual Respiratory Protection Training completed per 29 CFR 1910.134: Yes ☒ No ☐

Annual medical evaluation completed: Yes ☒ No ☐

Type of Fit Test: Qualitative ☒ Quantitative ☐

Type of Qualitative Test: Irritant smoke ☒ Banana oil ☐ Saccharin ☐

I hereby certify that that the above named employee has been properly fit tested per the referenced and attached procedures.

Frank Lasso — Test Administrator Name
[signature] — Signature

Jeffrey Schneider — Employee Name
[signature] — Signature

---

**Concentra** treated right

**PRECISION ENVIRONMENTAL COMPANY**
**PRECISION PROCUT**

**RESPIRATOR QUALIFICATION**

Patient Name: Jeffrey R. Schneider

SSN: (last 4) XXX - XX - 7914

This letter certifies that the above named individual has been evaluated and complete the medical surveillance program provided by Precision Environmental and Precisio ProCut. The medical surveillance program meets or exceeds the requirements of 2 CFR 1910.120, 29 CFR 1910.134 and 29 CFR 1926.1101.

The healthcare provider for this surveillance examination is:

Concentra Medical Centers
4660 Hinckley Industrial Parkway
Cleveland, Ohio 44109

The above named patient has been examined in accordance with the abov requirements and has been found to be:

☒ Qualified for respirator use without restrictions
☐ Not qualified for respirator use

[signature] — Physician Signature
11-28-11 — Date (print clearly or type)

Steve Wyles PA — Printed Physician Name

www.concentra.co
4660 Hinckley Industrial Pa
Cleveland, Ohio 44

---

**TSI Training Services International**

Asbestos Contractor Supervisor Refresher

Certificate

This is to certify

# Jeffrey R. Schneider

XXX-XX-7914

has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Contractor Supervisor Refresher and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act, State of Indiana requirements under 326 IAC 18-2, Chapter 3701-34 Ohio Administrative Code, and the Illinois Department of Public Health (IDPH) under section 855.120 of Title 77. IDPH recognition based on student request.

| Training Manager | Expiration Date | Date(s) of Course | Examination Date | Course Location |
|---|---|---|---|---|
| [signature] | 2/11/13 | 2/11/12 | 2/11/12 | Independence, OH |

TSI
33150 Lakeland Blvd.
Cleveland, OH 44095
1-866-666-8438

12 TSI 42965 csr

---

**PENNSYLVANIA ... CERTIFICATE**

039951

Sex: M — Height: 5'11" — Eyes: BRN — Birth Date: 10/20/1971

Expires: 12/15/2008 — Issue Date: 12/26/2007

Class: SUPERVISOR

JEFFERY R SCHNEIDER
5500 OLD BRECKSVILLE RD
INDENPENDENCE OH 44131

OPERATOR CERTIFICA

THIS CERTIFICATE CONFIRMS THAT

OPERATOR NAME: Jeffrey R. Schneider

has successfully fulfilled all the theoretical and practical ... requirements listed in federal and regulations and is hereby authorized to operate the ... listed on the reverse.

OPERATOR NUMBER: ...-974 — DATE OF BIRTH: 11-19-07 — 11-20...

TRAINER NAME: H. Valentine — Trainer's Name — Trainer's Signature

EMPLOYER NAME: Precision Env. — Employer's Name

| | | |
|---|---|---|
| Class #7 | WV | 11-19... |
| Class #5 | WV | 11-19... |

United Rentals

REFER TO THIS OPERATOR'S ... COMPLETE DETAILS ...

---

**STATE OF ...**
**Department of ...**
**Division of Quality Assurance - Asbestos Program**

Asbestos Hazard Abatement Specialist

Jeffrey R Schneider
Precision Environmental
5500 Old Brecksville Road
Independence OH 44131

Certification Number — Expiration Date
DOB: 10/20/1971 — 12/01/2013

This certification is issued pursuant to Chapter ... Revised Code and 3701-34 of the Ohio Administrative Code

Certification Card is not valid if altered

**Precision Environmental Company**
**Precision ProCut**

**Respirator Assignment and Fit Test**

A successful respirator fit test has been completed by the individual named below using the respirator fit test procedure mandated in 29 CFR 1910.134 Appendix A.

Jeffrey Schneider XXX-XX-7914 2-11-12
SS Number (last 4 digits) Date

9458 Cherry Tree Drive #103 Strongsville Ohio 44136
Address (street, city, state, zip)

| Respirator Model | Size | | | Pass | Fail |
|---|---|---|---|---|---|
| ☒ North 5500/7700 Half Face | S ☐ | M ☐ | L ☒ | ☒ | ☐ |
| ☒ 3M Powerflow Full Face PAPR | S ☐ | M ☐ | L ☒ | ☒ | ☐ |
| ☐ Other: _____ | S ☐ | M ☐ | L ☐ | ☐ | ☐ |

Annual Respiratory Protection Training completed per 29 CFR 1910.134: Yes ☒ No ☐

Annual medical evaluation completed: Yes ☒ No ☐

Type of Fit Test: Qualitative ☒ Quantitative ☐

Type of Qualitative Test: Irritant smoke ☒ Banana oil ☐ Saccharin ☐

I hereby certify that that the above named employee has been properly fit tested per the referenced and attached procedures.

STEPHEN SMOLENSKI
Test Administrator Name

Signature

Jeffrey Dennis
Employee Name

Jeffrey Schneider
Signature

**United Rentals** — Rent the Right Equipment Right Now

Jeff Schneider
Name of Operator

has completed an instructional program which covered the safe and proper operation of equipment listed on the reverse.

3-1-06 Wm H. Valentino
Date — Instructor Signature

I have received instruction on the models listed below.

| Type | Model | Instructor | Date |
|---|---|---|---|
| Articulating/Telescopic Boom Lifts | | | |
| Scissor Lifts | | | |
| | | | |
| | | B. Valentino | |
| | | | 03-01-06 |

---

**COMMONWEALTH OF KENTUCKY**
**DEPARTMENT FOR ENVIRONMENTAL PROTECTION**
**DIVISION FOR AIR QUALITY**

CONFIRMS THAT
JEFFERY R. SCHNEIDER
*Has fulfilled the training requirements of 401 KAR 58:005 and is ACCREDITED as an*
ASBESTOS ABATEMENT SUPERVISOR

Date Issued 10-17-11 Expires 02-19-12

Parker H. Moore, Branch Manager — John S. Lyons, Director

No. S11-10-2014

---

**COMMONWEALTH OF PENNSYLVANIA**
**DEPARTMENT OF LABOR AND INDUSTRY**
**ASBESTOS OCCUPATIONS CERTIFICATION**

JEFFERY R SCHNEIDER
PRECISION ENVIRONMENTAL
5500 OLD BRECKSVILLE RD
INDEPENDENCE OH 44131

Birthdate: 10/20/71
Sex: M
Eyes: BRN
Height: 5 11

Certification Number: 039951
Class: SUPERVISOR
Issue Date: 04/15/11
Expiration Date: 02/19/12

INSTRUCTIONS

To receive an Asbestos Occupations Certification Photo Identification card, take this form and a second form of PHOTO IDENTIFICATION to any PennDOT photo drivers license center (See enclosed list).

Check the printed information on this form. If an error has been made in printing, notify the Bureau of Occupational & Industrial Safety IMMEDIATELY at (717) 772-3396. Do NOT make any corrections on this form.

This form is valid as a temporary Asbestos Occupations Certification for 30 days from the ISSUE DATE. After 30 days, the form is not valid as an Asbestos Occupations Certification, but it may be used to process a Photo Identification Card until the EXPIRATION DATE.

---

**PRECISION Environmental Co.** — **Operator Certification Card**

**Jeff Schneider**

*has successfully completed Safety Training and is qualified in the operation of Class 7 Rough Terrain Forklifts, in compliance with 29 CFR 1910.178.*

02/21/06 — *Expires: 02/21/09*

*Qualified Trainer* — *Safety Director*

---

American Heart Association — *Learn and Live.*

Heartsaver® First Aid

Jeff Schneider

This card certifies that the above individual has successfully completed the objectives and skills evaluations in accordance with the curriculum of the AHA for Heartsaver First Aid Program.

Modules Completed: A B C ● ●

APRIL 2008 — Issue Date
APRIL 2010 — Recommended Renewal Date

Training Center: OHIO 216-337-9485
TC Address Contact Info: Health Corp/ Intensive Care ACLS & CPR
Course Location:
Instructor: CRAIG DUNNING RN-CCRN-EMT
Holder's Signature

On the front, fill in the circles of the modules NOT completed: ●

Course Curriculum completed:

A. Adult First Aid
B. Environmental Emergencies
C. Adult/Child CPR [redacted]
D. Adult/Child AED
E. Infant CPR With Mask

Recommended renewal for Heartsaver First Aid is every two years.

Call 911 in case of an emergency
Poison Control Center 1-800-222-1222
Visit our website: americanheart.org/cpr
For training information call: 1-877-AHA-4CPR

---

**Precision Environmental Company**

# Certificate of Training

*Jeff Schneider*

*Has Successfully Completed the Safety Training Course for Lead Awareness*

*Granted: February 7, 2005*

*Marc Gallant, CSP*
*Safety Director*

*OSHA 29 CFR 1926.62*

---

IDEM — **Indiana Dept. of Environmental Management**

**Jeffrey R. Schneider, Sr.**

Asbestos Project Supervisor License #: 194402018

Effective: **01/30/2012** — Expiration: **01/30/2013**
Birth Date: **10/20/1971** — Gender: **M**
Height: **5-11** — Eye Color: **BRO**
Weight: **175** — Hair Color: **BRO**

---

**WEST VIRGINIA**
Asbestos Program

**Jeffrey R. Schneider**

IS LICENSED AS AN
**ASBESTOS SUPERVISOR**

License # AS011986
Issued: 3/16/2011
Expires: 3/31/2012

*Randy C. Curtis* Dir., WV RTA DIV.

Jeffrey R. Schneider
c/o Precision Environmental
5500 Old Brecksville Road
Independence, OH 44131

Accreditation Number [illegible] Expiration Date [illegible]

DOB: 10/20/1971

96495

---

American Heart Association
Learn and Live

Heartsaver® First Aid

Jeff Schneider

FEB 2011 — FEB 2013

Training Center: OHIO 216-337-9485

TC Address Contact Info: Health Corp/Intensive Care ACLS & CPR

Course Location:

Instructor: CRAIG DUNNING RN-CCRN-TNCC-EMT

Holder's Signature

Fill in the circles of the modules NOT completed. This card contains unique security features to protect against forgery.

---

STATE OF NEW JERSEY
DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT
ASBESTOS CONTROL AND LICENSING

JEFFREY SCHNEIDER SR.
9458 Cherry Tree Drive
Apt. 103
Strongsville OH 44136

| | | | |
|---|---|---|---|
| [illegible] | [illegible] | | |
| | | 10/20/1971 | |
| M | 511 | 3 | 2 |
| 04/18/2011 | | 04/18/2012 | |

102766

---

Compliance Solutions

*Certificate of Completion*

This is to certify that

*Jeff Schneider*

has been tested and successfully meets the training requirements for

*4 Hour HAZWOPER*

*per 29 CFR 1910.120*

Presented

*Friday, June 03, 2011*

*Compliance Solutions Occupational Trainers, Inc.*

Kaymond DCS CIPS CIT CESM REP CET CHMM
*Instructor*

---

# University of Cincinnati

## Occupational Health & Safety Continuing Education Program

Co-Sponsored by ***Training Services International***

## Jeffrey R. Schneider

Precision Environmental
5500 Old Brecksville Road
Independence OH 44131

Has Successfully Completed the

**Lead Safety for Renovation, Repair and Painting Initial Training Course**

Program Director

R-I-18459-10-02508
Certificate Number

6/8/2010
Issue Date — Language – English

Course Principal Instructor

8
Continuing Education Units

5/15/10
Course Date

Occupational Health & Safety Continuing Education, UC Reading Campus, 2180 E. Galbraith Rd., ML 0510, Cincinnati, OH 45237-1625, (513)558-1730, www.ch.uc.edu/hsce

10 TSI 35607 RRPI

**Precision Environmental Company**
**Precision ProCut**

**Respirator Assignment and Fit Test**

A successful respirator fit test has been completed by the individual named below using the respirator fit test procedure mandated in 29 CFR 1910.134 Appendix A.

Richard K. McCollum — Name
XXX-XX-6795 — SS Number (last 4 digits)
11-19-11 — Date

1475 Meadowbrook Blvd. Stow, Ohio 44224 — Address (street, city, state, zip)

| Respirator Model | Size | Pass | Fail |
|---|---|---|---|
| ☒ North 5500/7700 Half Face | S ☐ M ☑ L ☐ | ☒ | ☐ |
| ☒ 3M Powerflow Full Face PAPR | S ☐ M ☑ L ☐ | ☒ | ☐ |
| ☐ Other: _____ | S ☐ M ☐ L ☐ | ☐ | ☐ |

Annual Respiratory Protection Training completed per 29 CFR 1910.134: Yes ☒ No ☐

Annual medical evaluation completed: Yes ☒ No ☐

Type of Fit Test: Qualitative ☒ Quantitative ☐

Type of Qualitative Test: Irritant smoke ☒ Banana oil ☐ Saccharin ☐

I hereby certify that that the above named employee has been properly fit tested per the referenced and attached procedures.

Steve Smolenski — Test Administrator Name
Signature

Richard K. McCollum — Employee Name
Signature

---

Concentra.

**PRECISION ENVIRONMENTAL COMPANY**
**PRECISION PROCUT**

**RESPIRATOR QUALIFICATION**

Patient Name: Richard McCollum

SSN: (last 4) XXX - XX - 6795

This letter certifies that the above named individual has been evaluated and completed the medical surveillance program provided by Precision Environmental and Precision ProCut. The medical surveillance program meets or exceeds the requirements of 29 CFR 1910.120, 29 CFR 1910.134 and 29 CFR 1926.1101.

The healthcare provider for this surveillance examination is:

Concentra Medical Centers
4660 Hinckley Industrial Parkway
Cleveland, Ohio 44109

The above named patient has been examined in accordance with the above requirements and has been found to be:

☑ Qualified for respirator use without restrictions
☐ Not qualified for respirator use

Physician Signature — Date (print clearly or type): 3/16/2011

Printed Physician Name

---

**TSI Training Services International**

Asbestos Contractor Supervisor Refresher

Certificate

This is to certify

Richard K. McCollum

XXX-XX-6795

has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Contractor Supervisor Refresher and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act, State of Indiana requirements under 326 IAC 18-2, Chapter 3701-34 Ohio Administrative Code, and the Illinois Department of Public Health (IDPH) under section 855.120 of Title 77. IDPH recognition based on student request.

| Training Manager | Expiration Date | Date(s) of Course | Examination Date | Course Location |
|---|---|---|---|---|
| | 11/19/12 | 11/19/11 | 11/19/11 | Independence, OH |

TSI
33150 Lakeland Blvd.
Cleveland, OH 44095
1-866-666-8438

11 TSI 42226 csr

---

RICHARD K. COLLUM
1475 Meadowbrook Blvd.
Stow OH 44224
102424
Exp. 5/2012

---

Division of Quality Assurance - Asbestos Program

Asbestos Hazard Abatement Specialist

Richard K McCollum
Precision Environmental
5500 Old Brecksville Road
Independence OH 44131

Certification Number: AS29462
Expiration Date: 04/25/2012
DOB: 12/06/1974

This certification is issued pursuant to Chapter 3718 of the Revised Code and 3701-34 of the Ohio Administrative Code

Certification Card - Not Valid if Altered

---

Lead Program

RICHARD K. COLLUM

License No. LW-002455
Discipline: Lead Abatement Worker
Expiration Date: May 11, 2012

HAZARDOUS MATERIALS TECHNICIAN

*This certificate is awarded to*

Rich McCollum

*For completion of eight hours of annual hazardous materials refresher training*

Precision Environmental Co. Independence, Ohio

Hitt Consulting

Brian Hitt, CSP, CHMM — January 08, 2011

---

State of Michigan

## Asbestos Contractor/Supervisor

Richard K. McCollum
1475 Meadowbrook Boulevard
Stow, OH 44224

Accreditation Number A30055 — Expiration Date 01/06/2012 — DOB: 12/06/1974

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.

Accreditation card is not valid if altered — 90967

---

## WEST VIRGINIA

Asbestos Program

Richard K. McCollum

IS LICENSED AS AN ASBESTOS SUPERVISOR

License # AS012150
Issued: 6/13/2011
Expires: 6/30/2012

Randy C. Curtis Dir., WV RTIA DIV

---

## LEAD EXPERTS

P.O. Box 1390, Mentor, OH 44061-1390 (440) 266-0403

This Certifies that

Richard K. McCollum
1475 Meadowbrook Blvd.
Stow, OH 44224

Has attended the course and passed the examination for:
LEAD HAZARD ABATEMENT
CONTRACTOR REFRESHER TRAINING COURSE

Certificate Number: [illegible]
Training Date: January 26, 2012
Recommended Sign Date: January 26, 2012
Training Expiration Date: [illegible]

Under Civil and Criminal Penalties of Law for the Making or Submission of False or Fraudulent Statements or Representations (18 U.S.C. 1001 and 18 U.S.C. 3615) I Certify That this Training Complies with All Applicable Requirements of Chapter 3742 of the Revised Code.

Peter H. Goll, Training Manager

---

JAMES E. [illegible]

CERTIFIES THAT

RICHARD McCOLLUM (299-66-6795)

HAS ATTENDED THE 2 HOUR TRAINING SEMINAR FOR:

*CONFINED SPACE ENTRY FOR NON-PERMIT & PERMIT REQUIRED CONFINED SPACES*

IN ACCORDANCE WITH OSHA REGULATION 29 CFR 1910.146

COURSE HELD: SEPTEMBER 2, 1999

COURSE INSTRUCTOR

---

PRECISION Environmental Co.

## Operator Certification Card

**Richard McCollum**

*Is qualified in the operation of Class 4 and Class 5 Internal Combustion Powered Industrial Lift Trucks, 29 CFR 1910.178.*

Issued: 12/18/04 — Expires: 12/18/07

Award Trainer — Safety Director

---

## PRECISION

Environmental Company

This certifies that Rich McCollum has completed 120 hours of training in Air Conveyance Systems cleaning

Brian Zuchowski, Field Supervisor — Geoff Russell, Project Mgr.

---

IVES

OPERATOR CERTIFICATE

OPERATOR NAME: Richard McCollum — Richard K. McCollum — OPERATOR SIGNATURE

OPERATOR NUMBER: WR005-347 — DATE OF ISSUE: 9-19-11 — 9-2014

TRAINER NAME: [illegible] — WR005-432 — TRAINER SIGNATURE

EMPLOYER NAME: Precision Inc. — EMPLOYER SIGNATURE

| TYPE OF TRUCK (IA CLASSIFICATION) | TRAINER/EVALUATOR | DATE OF ISSUE |
|---|---|---|
| Class 5 - Fork Combustion | WV | 9-19-11 |
| Class 4 - Fork Pneu Terrain | WV | 9-19-11 |

United Rentals

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

RICHARD K MCCOLLUM
CLASS (EXPIRES)
A HAND (12/12)

06-04380
73880851
JST BE CARRIED ON ASBESTOS PROJECTS

---

Indiana Dept. of Environmental Management

**Richard K. McCollum**

Asbestos Project Supervisor License #: 191702018

| | |
|---|---|
| Effective: 01/31/2011 | Expiration: 01/31/2012 |
| Birth Date: 12/06/1974 | Gender: M |
| Height: 6-00 | Eye Color: HAZ |
| Weight: 160 | Hair Color: BRO |

---

NEW YORK STATE
IDENTIFICATION CARD

ID: 373 880 851 CLASS ID

MCCOLLUM,RICHARD,K
6654 W PUBLIC SQUARE
INDEPENDENCE OH 44131
DOB: 12-06-74
SEX: M EYES: HA HT: 6-00
F: NONE
[illegible] 17-08 [illegible] 12-06-10 74265449

---

CERTIFICATE OF TRAINING

**SUNBELT** RENTALS

*This certifies that*

**McCollum, Richard**

*Of*

**Precision Enviromental**

*has attended the following Forklift Operator Safety Training*

Class 7

**Forklift Operator**

Date: 5/30/2008

Authorized Signature

---

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF LABOR AND INDUSTRY
ASBESTOS OCCUPATIONS CERTIFICATION

[illegible] MCCOLLUM
[illegible] SVILLE RD
[illegible] OH 44131

| | |
|---|---|
| [illegible] 12/06/74 | Certification Number: 034461 |
| [illegible] | Class: SUPERVISOR |
| [illegible] | Issue Date: 12/30/11 |
| [illegible] | Expiration Date: 11/19/12 |

IN[illegible]TIONS

[illegible] Asbestos Occupations Certification Photo Identification card, take this form [illegible] PHOTO IDENTIFICATION to any PennDOT photo drivers license center [illegible] list).

Ch[illegible] information on this form. If an error has been made in printing, notify the [illegible] Occupational & Industrial Safety IMMEDIATELY at (717) 772-3396. Do NOT [illegible] on this form.

Th[illegible] temporary Asbestos Occupations Certification for 30 days from the ISSUE DATE. After 30 days, the form is not valid as an Asbestos Occupations Certification, but it may be used to process a Photo Identification Card until the EXPIRATION DATE.

---

State of New Jersey
DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT
[illegible]
TRENTON, NEW JERSEY [illegible]

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lieutenant Governor

[illegible]
Commissioner

March 14, 2011

Richard K. McCollum
1475 Meadowbrook Blvd.
Stow, OH 44224

Dear Mr. /Ms. McCollum:

This letter serves as your TEMPORARY SUPERVISOR PERMIT allowing you to perform asbestos work in New Jersey only. This temporary New Jersey asbestos permit will remain effective through April 30, 2011. THIS AUTHORIZATION IS NOT VALID WITHOUT THE GOLD RAISED SEAL OF THE DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT.

In order to perform asbestos work in New Jersey while in the employment of a New Jersey licensed asbestos contractor, you are required to carry both this temporary permit letter and another form of identification issued by a Federal or State administrative agency. At all asbestos projects where you are working, you are required to present this letter and another form of identification for inspection by representatives of the Department of Labor & Workforce Development, the Department of Health & Senior Services, and the contracting agency, pursuant to N.J.S.A. 34:5A-37.

Should anyone question the validity of this temporary permit, do not hesitate to call.

Sincerely,

Frank G. Meyer/ms

Franklin G. Meyer
Chief of Inspection and Enforcement
(609) 633-3760

FM/bb

New Jersey Is An Equal Opportunity Employer
OFFICE OF ASBESTOS CONTROL & LICENSING
[illegible]
Printed on Recycled and Recyclable Paper

LWD

RSITY OF FINDLAY
ESOURCE TRAINING CENTER

is Certifies that
RD K. MCCOLLUM
PUBLIC SQUARE
DENCE OH. 44131

ve and passed the examination for:

MENT WORKER INITIAL COURSE

Health Administration

Rich McCollum

hour Occupational Safety and Health

Safety & Health

3-17-00
(Date)

Precision Environmental Company
Precision ProCut

Respirator Assignment and Fit Test

A successful respirator fit test has been completed by the individual named below using the respirator fit test procedure mandated in 29 CFR 1910.134 Appendix A.

Matthew Rattai — Name
XXX-XX-6905 — SS Number (last 4 digits)
Mar. 14.11 — Date

1620 Olympus dr. Kent OH 44240 — Address (street, city, state, zip)

| Respirator Model | Size | | | Pass | Fail |
|---|---|---|---|---|---|
| ☒ North 5500/7700 Half Face | S ☐ | M ☐ | L ☒ | ☒ | ☐ |
| ☒ 3M Powerflow Full Face PAPR | S ☐ | M ☐ | L ☒ | ☒ | ☐ |
| ☐ Other: _____ | S ☐ | M ☐ | L ☐ | ☐ | ☐ |

Annual medical evaluation completed: Yes ☒ No ☐

Type of Fit Test: Qualitative ☒ Quantitative ☐

Type of Qualitative Test: Irritant smoke ☒ Banana oil ☐ Saccharin ☐

I hereby certify that that the above named employee has been properly fit tested per the referenced and attached procedures.

STEPHEN SMOLENSKI — Test Administrator Name — Signature

Matthew Rattai — Employee Name — Signature

Concentra

PRECISION ENVIRONMENTAL COMPANY
PRECISION PROCUT

RESPIRATOR QUALIFICATION

Patient Name: Matthew G. Rattai

SSN: (last 4) XXX - XX - 6905

This letter certifies that the above named individual has been evaluated and completed the medical surveillance program provided by Precision Environmental and Precision ProCut. The medical surveillance program meets or exceeds the requirements of 29 CFR 1910.120, 29 CFR 1910.134 and 29 CFR 1926.1101.

The healthcare provider for this surveillance examination is:

Concentra Medical Centers
1450 Firestone Parkway
Akron, Ohio 44301

The above named patient has been examined in accordance with the above requirements and has been found to be:

☒ Qualified for respirator use without restrictions

☐ Not qualified for respirator use

Physician Signature — Date (print clearly or type) 1.07.12

Steve Wykes, PA-C
SS-002213
NPI # 1568558898

Printed Physician Name

TSI Training Services International

Asbestos Contractor Supervisor Refresher

Certificate

This is to certify

Matthew G. Rattai

XXX-XX-6905

has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Contractor Supervisor Refresher and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act, State of Indiana requirements under 326 IAC 18-2, Chapter 3701-34 Ohio Administrative Code, and the Illinois Department of Public Health (IDPH) under section 855.120 of Title 77. IDPH recognition based on student request.

| Training Manager | Expiration Date | Date(s) of Course | Examination Date | Course Location |
|---|---|---|---|---|
| [signature] | 3/19/12 | 3/19/11 | 3/19/11 | Independence, OH |

TSI
33150 Lakeland Blvd.
Cleveland, OH 44095
1-866-666-8458

11 TSI 39277 csr

WEST VIRGINIA
Asbestos Program
Matthew G. Rattai
IS LICENSED AS AN
ASBESTOS WORKER

License #: AW004155
Issued: 2/6/2007
Expires: 2/28/2008

Randy C. Curtis Dir., WV RTIA

State of Ohio
Department of Health
Division of Quality Assurance - Asbestos Program

Asbestos Hazard Abatement Specialist

Matthew G Rattai
Precision Environmental
5500 Old Brecksville Road
Independence OH 44131

Certification Number — Expiration Date 02/12/2013

DOB: 04/09/1984

This certification is issued pursuant to Chapter 3701-34 Ohio Revised Certification Card is

IDEM

Indiana Dept. of Environmental Management

Matthew G. Rattai

Asbestos Project Supervisor License #: 196602018

Effective: 06/23/2011
Birth Date: 04/09/1984
Height: 6-06
Weight: 290

Expiration: 06/23/2012
Gender: M
Eye Color: Hazel
Hair Color: Brown

[redacted]

HAZARDOUS MATERIALS SUPERVISOR

*This certificate is awarded to*

Matthew Rattai

*For completion of eight hours of hazardous materials according to OSHA 1910.120*

Precision Environmental Co. Independence, Ohio

*Hilt Consulting*

Pat Nelson

January 28, 2012

Hilt

---

CERTIFICATE OF TRAINING

Lubricating · Straight Mast · Rough Terrain · Sheet Metal

**SUNBELT RENTALS**

*This certifies that*

**Rattai, Matthew**

*Of*

**Precision Enviromental**

*has attended the following Forklift Operator Safety Training*

Class 7

**Forklift Operator**

Date: 5/30/2008

Authorized Signature

---

**United Rentals** Rent the Right Equipment Right Now

Matthew G. Rattai

Name of Operator

Has completed an instructional program which covered the safe and proper operation of equipment listed on the reverse.

3-1-06 Wm. M. Valentino

Date Instructor Signature

have received instruction on the models listed below.

| Type | Model | Instructor | Date |
|---|---|---|---|
| Articulating/Telescopic Boom Lifts | | | |
| Scissor Lifts | | | |
| | | | |
| | | B. Valentino | |
| | | | 03-01-06 |

---

**PRECISION** Environmental Co.

**Operator Certification Card**

**Matt Rattai**

*has successfully completed Safety Training and is qualified in the operation of Class 7 Rough Terrain Forklifts, in compliance with 29 CFR 1910.178.*

*Issued:* 02/02/06 *Expires:* 02/02/09

*Qualified Trainer* *Safety Director*

---

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF LABOR AND INDUSTRY
ASBESTOS OCCUPATIONS CERTIFICATION

---

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

MATTHEW G RATTAI
CLASS EXPIRES
A HAND 04/12

DEPARTMENT OF LABOR

R# 09-11710
W# 860865382

MUST BE CARRIED ON ASBESTOS PROJECTS

the Bureau of Occupational & Industrial Safety [illegible] Do NOT make any corrections on this form.

This form is valid as a temporary Asbestos Occupations Certification for 30 days from the ISSUE DATE. After 30 days, the form is not valid as an Asbestos Occupations Certification,

---

State of New Jersey

DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT
PO BOX 110
TRENTON, NEW JERSEY 08625-0110

March 14, 2011

Matthew G. Rattai
1620 Olympus Drive
Kent, OH 44240

Dear Mr./Ms. Rattai:

This letter serves as your TEMPORARY WORKER PERMIT allowing you to perform asbestos work in New Jersey only. This temporary New Jersey asbestos permit will remain effective through April 30, 2011. THIS AUTHORIZATION IS NOT VALID WITHOUT THE GOLD RAISED SEAL OF THE DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT.

In order to perform asbestos work in New Jersey while in the employment of a New Jersey licensed asbestos contractor, you are required to carry both this temporary permit letter and another form of identification issued by a Federal or State administrative agency. At all asbestos projects where you are working, you are required to present this letter and another form of identification for inspection by representatives of the Department of Labor & Workforce Development, the Department of Health & Senior Services, and the contracting agency, pursuant to N.J.S.A. 34:5A-37.

Should anyone question the validity of this temporary permit, do not hesitate to call.

Sincerely,

Franklin G. Meyer
Chief of Inspection and Enforcement
(609) 633-3760

FM/bb

LWD

# CERTIFICATE OF TRAINING

OHIO LABORERS' TRAINING AND UPGRADING TRUST FUND
ISSUED TO

NAME Matthew Rattai

S.S. XXX-XX-6905 DATE: 11/2/04

TRAIN UP This card certifies that the holder named has successfully completed on the ascribed date, a Safety Training Passport training course. A 16-hour OSHA/OCA/Organized Labor-sponsored safety training program which includes awareness training in the following topics:

| | |
|---|---|
| Personal Protective Equipment | Traffic Control |
| Equipment De-Energizing/Lockout | Manlifts |
| Rigging & Material Handling | Fire Prevention |
| Power Operated Tools | Mobile cranes |
| Confined Space Hazards | Welding/Cutting |
| General Safety | Excavations |
| Asbestos/Lead | Concrete Masonry |
| Electrical Hazards | Housekeeping |

and comprehensive training in Hazard Communication and Fall Protection.

Dale J. Worker Executive Director

---

OSHA 002129334

U.S. Department of Labor
Occupational Safety and Health Administration

Matthew Rattai

has successfully completed a 10-hour Occupational Safety and Health Training Course in

Construction Safety & Health

(Trainer) 11/2/04 (Date)

---

031021

# Certificate of Achievement

*This certificate acknowledges that*

*Matthew G. Rattai*
*Precision Environmental Co.*

has demonstrated the competency required of the *Level 1* FIT- Firestop Instructional Training- Program.

This certificate is valid until 12/30/2010.

Certified By: Date: 12/3/2009

fsg

STI Specified Technologies Inc.

---

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

MATTHEW G RATTAI
CLASS(EXPIRES)
A HAND(04/12)

DEPARTMENT OF LABOR

CERT# 09-11715
DMV# 960595392

MUST BE CARRIED ON ASBESTOS PROJECTS

---

MICHIGAN

Matthew G. Rattai

MICHIGAN

Accreditation Number

---

Indiana

Indiana Dept. of Environmental Management

**Matthew G. Rattai**

Asbestos Project Supervisor License #: 196602018

| | |
|---|---|
| Effective: 06/23/2010 | Expiration: 06/23/2011 |
| Birth Date: 04/09/1984 | Gender: M |
| Height: 6-06 | Eye Color: Green |
| Weight: 290 | Hair Color: Blonde |

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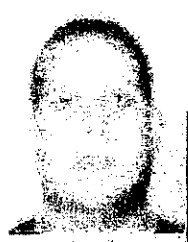
STATE OF NEW JERSEY
DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT
ASBESTOS CONTROL AND LICENSING



MATTHEW RATTAI
1620 Olympus Drive

Kent OH 44240

| | | | |
|---|---|---|---|
| 036310 | | | |
| | | 04/09/1984 | |
| M | 607 | 6 | 5 |
| 03/28/2011 | | 03/28/2012 | |

102421

Precision Environmental Company
Precision ProCut

**Respirator Assignment and Fit Test**

A successful respirator fit test has been completed by the individual named below using the respirator fit test procedure mandated in 29 CFR 1910.134 Appendix A.

IVAN BANDA — Name
XXX-XX-0966 — SS Number (last 4 digits)
10-27-11 — Date

124-47TH ST UNION CITY, NJ 07087
Address (street, city, state, zip)

| Respirator Model | Size | Pass | Fail |
|---|---|---|---|
| ☐ North 5500/7700 Half Face | S ☐ M ☑ L ☐ | ☒ | ☐ |
| ☒ 3M Powerflow Full Face PAPR | S ☐ M ☒ L ☐ | ☒ | ☐ |
| ☐ Other: _____ | S ☐ M ☐ L ☐ | ☐ | ☐ |

Annual Respiratory Protection Training completed per 29 CFR 1910.134: Yes ☒ No ☐

Annual medical evaluation completed: Yes ☒ No ☐

Type of Fit Test: Qualitative ☒ Quantitative ☐

Type of Qualitative Test: Irritant smoke ☒ Banana oil ☐ Saccharin ☐

I hereby certify that that the above named employee has been properly fit tested per the referenced and attached procedures.

STEPHEN GOLDENBERG — Fit Administrator Name
Signature

IVAN BANDA — Employee Name
Signature

---

PROG NOTES
Patient: Ivan Banda
Physician: Ma. M. Camacho, NP

DOB: 01/01/1961
DOS: 05/21/2011

OCCUPATIONAL AND COMMUNITY HEALTH SERVICES
330 Hudson Avenue, Union City, NJ 07087
Tel: (201) 325-0055 Fax: (201) 325-0056 E-mail: bmc@verizon.net

**MEDICAL EVALUATION: ASBESTOS WORK**

| Last Name | First Name | Social Security Number | Date of Birth |
|---|---|---|---|
| Banda | Ivan | [redacted] | 01/01/1961 |
| Address: 1500 38th Street | | Apartment Number: Apt#2 | Male/Female: Male |
| City: North Bergen | State/Province: NJ | Postal Code: 07047 | Home Phone: 201-601-3856 |
| Emergency Contact Person: MIGUEL BANDA | | Emergency Contact Telephone: 201 467 7801 | |

The patient indicated above has been evaluated 05/21/2011 in compliance with on

OSHA Asbestos Medical Screening and Surveillance standard 1910.1001 (29CFR)

MEDICAL HISTORY REPORT

OSHA Standard 1910.134 App C Questionnaire for respiratory protection — ☒ Unremarkable significant finding
OSHA Standard 1926.1101 App D Questionnaire for asbestos workers — ☐ Remarkable Significant finding
Pulse: ☐ non-smoker ☐ smoker 1 cigarette/day X 20 years ☐ quit smoking on _____ after _____ years
Last Chest X-ray dated 2010, results ☒ normal ☐ abnormal
Respiratory system evaluation within normal limits/ deviations from normal
Gastrointestinal system evaluation within normal limits/ deviations from normal
Cardiovascular system evaluation within normal limits/ deviations from normal

PHYSICAL EXAMINATION REPORT:

Blood pressure 115/60 HR 84 RR 18 Ht 5'7 Wt 135 lb. Visual acuity: Lt. Eye _____ Rt. Eye _____
Pulmonary function test ☐ normal ☐ abnormal ☐ results attached
Electrocardiogram (per clinicians discretion) ☐ normal ☐ significant deviations from normal ☐ N/A
Physical examination ☒ within acceptable limits ☐ significant deviations from normal
Chest X-ray: ☐ not indicated ☐ ordered ☐ normal ☐ abnormal ☒ results pending IB.

RESULTS:
☒ ABLE TO WORK IN ASBESTOS AND WEAR RESPIRATORY PROTECTION WITHOUT RESTRICTION
☐ ABLE TO WORK IN ASBESTOS AND WEAR RESPIRATORY PROTECTION WITH RESTRICTIONS
☐ CLEARANCE DENIED ☐ POSTPONED ☐ NEEDS FURTHER EVALUATION OR FOLLOW-UP

SPECIFIC RECOMMENDATIONS
1. Do not smoke cigarettes IB 2. Always wear respirator mask while at work

PATIENT EDUCATION
*The patient has been informed of the risks involved in asbestos work and of the increased risk of lung cancer attributable (if the situation) effect of smoking and asbestos exposure, and of the increased risk with higher intensity and duration of exposure. The results of the medical evaluation for use of respirators and asbestos work have been explained to me (patient).*
*Los resultados de esta evaluacion medica han sido explicados a mi persona*

THIS MEDICAL EVALUATION REPORT EXPIRES ON:05/21/2012

This report must be accompanied by numeric and graphical printout of the spirometry results.
Original report and all copies must bear the OCHS watermark seal.

Signature of Qualified Health Care Provider — 05/21/2011 Date
Patient Signature — 05/21/2011 Date

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OSHA 6003105 73

U.S. Department of Labor
Occupational Safety and Health Administration

Ivan Banda

has successfully completed a 30-hour Occupational Safety and Health Training Course in:

Construction Safety & Health

Benito R. Labrador (Trainer) — 11/17/07 (Date)

---

STATE OF NEW JERSEY
DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT
ASBESTOS CONTROL AND LICENSING

IVAN BANDA
1500 38th Street
Apt 2
North Bergen NJ 07047

| | | |
|---|---|---|
| [redacted] | TYPE | CLASS |
| PERMIT NUMBER | 01/01/1961 DATE OF BIRTH | |
| M SEX | 502 HEIGHT | 41 WEIGHT | 2 EYE COLOR |
| 02/03/2011 ISSUE DATE | 02/03/2012 EXPIRES DATE | |

102156

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*Mason Tenders' Training Fund*

ASBESTOS TRAINING DIPLOMA

*THIS DIPLOMA ACKNOWLEDGES THAT*

IVAN BANDA
*Name*

*HAS COMPLETED THE FOLLOWING*

New Jersey Asbestos Handler Refresher Course
In Spanish

Date(s) of Course: 01/22/2011

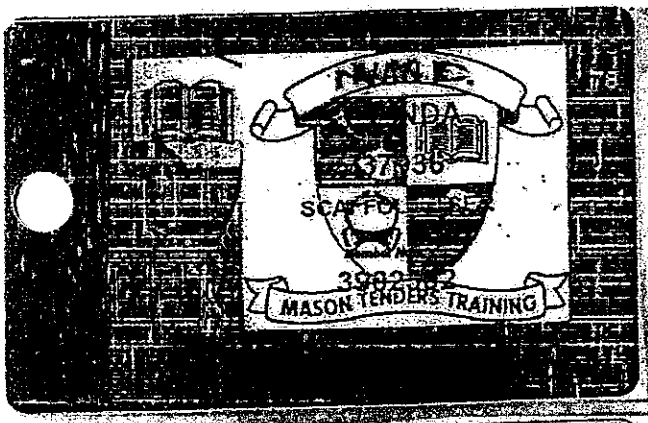
Director

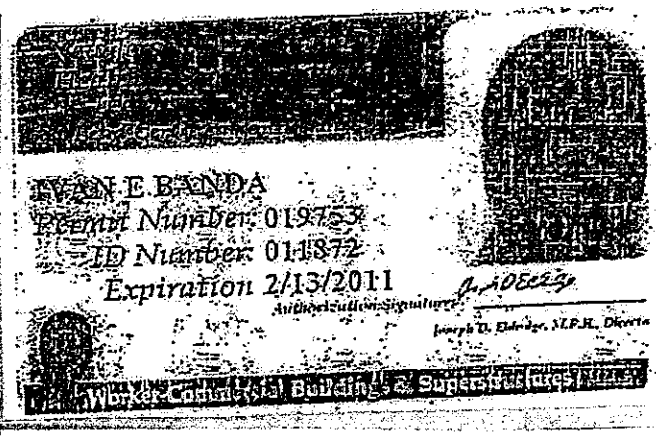
MASON TENDERS' TRAINING FUND
LONG ISLAND CITY, NY, 11101
PHONE (718) 383-4863 FAX (718) 383-4863

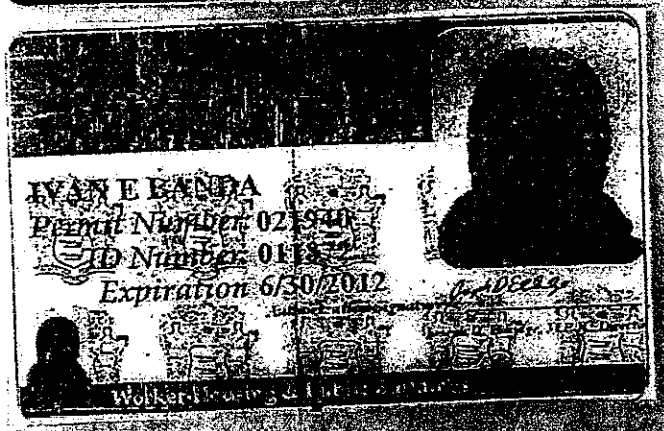
Diploma Expires: 01/22/2012

The person receiving this Diploma has completed the Regulatory training for asbestos accreditation under TSCA Title II. The official record of successful Completion is the NJ ASB 24 Certificate of Completion of Asbestos Safety Training.

Diploma Number: 096240


MASON TENDERS TRAINING


IVAN E BANDA
Permit Number 019753
ID Number 011872
Expiration 2/13/2011


IVAN E BANDA
Permit Number 021940
ID Number 011872
Expiration 6/30/2012

NEW JERSEY BUILDING LABORERS'
TRAINING & APPRENTICESHIP FUND
Name: IVAN BANDA
Book: 3902502
DOB: 01/01/1961
Local: 78
Init: 05/30/2001
TRAINING VERIFICATION CARD

**Precision Environmental Company**
**Precision ProCut**

**Respirator Assignment and Fit Test**

A successful respirator fit test has been completed by the individual named below using the respirator fit test procedure mandated in 29 CFR 1910.134 Appendix A.

Orlando Ramirez — Name
XXX-XX-7000 — SS Number (last 4 digits)
1027-11 — Date

12 Sanford Pl. Apt 207 Jersey City NJ 07302
Address (street, city, state, zip)

| Respirator Model | Size | | | Pass | Fail |
|---|---|---|---|---|---|
| ☒ North 5500/7700 Half Face | S ☐ | M ☐ | L ☒ | ☒ | ☐ |
| ☒ 3M Powerflow Full Face PAPR | S ☐ | M ☐ | L ☒ | ☒ | ☐ |
| ☐ Other: _____ | S ☐ | M ☐ | L ☐ | ☐ | ☐ |

Annual Respiratory Protection Training completed per 29 CFR 1910.134: Yes ☒ No ☐

Annual medical evaluation completed: Yes ☒ No ☐

Type of Fit Test: Qualitative ☒ Quantitative ☐

Type of Qualitative Test: Irritant smoke ☒ Banana oil ☐ Saccharin ☐

I hereby certify that that the above named employee has been properly fit tested per the referenced and attached procedures.

Stephen Smolensky — Test Administrator Name
Signature

Employee Name

---

New Jersey Department of Health & Senior Services
Indoor Environmental Program
Lead Certifications Program

ORLANDO RAMIREZ
Permit Number: 021958
ID Number: 001998
Expiration Date: 1/24/2013

Worker Housing & Public Buildings

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**OSHA**

U.S. Department of Labor
Occupational Safety and Health Administration

Orlando Ramirez

has successfully completed a 30-hour Occupational Safety and Health Training Course in

Construction Safety & Health

Oscar Suarez — (Trainer)
01/26/11 — (Date)

---

# *Mason Tenders' Training Fund*

ASBESTOS TRAINING DIPLOMA

*THIS DIPLOMA ACKNOWLEDGES THAT*

**ORLANDO RAMIREZ**
*Name*

*HAS COMPLETED THE FOLLOWING*

**New York State Asbestos Handler Refresher Course in Spanish**

Date(s) of Course: 01/08/2011
Examination Date: 01/08/2011
Examination Grade: PASS
Diploma Expires: 01/08/2012

Director
MASON TENDERS' TRAINING FUND
42-53 21ST STREET
LONG ISLAND CITY, NY 11101
Phone: (718)383-6863 FAX: (718)383-6942

The person receiving this Diploma has completed the requisite training for asbestos accreditation under TSCA Title II. The official record of successful completion is the N.Y.S. DOH2832 Certificate of Completion of Asbestos Safety Training

Diploma Number: 593978

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New York City Department of Environmental Protection
Asbestos Control Program
59-17 Junction Boulevard, 8th Floor
Flushing, New York 11373

**Application for Asbestos Investigator**

**Appendix A**

Medical Examination for Asbestos Investigators

Applicant Name: ORLANDO RAMIREZ
Home Address: 12 SANFORD PL
City, State and Zip Code: JERSEY CITY, NJ 07302
Telephone Number: (201) 667-5588
Date of Birth: 02-12-58
Social Security Number: 143-82-7000

Based upon the medical examination which included pulmonary function tests of vital capa (FVC) and forced expiratory volume at one second ($FEV_1$), and an evaluation of a recent ch roentgenogram, it is my opinion that the above named patient (please check appropriate box)

☒ is ☐ is not

physically qualified to wear a respirator in the performance of his/her job.

Limitations: _____

CARLOS J. SERRANO MD — Print Name of Physician
01-03-11 — Date of Examination

Signature of Physician

221633 — State License Number

CARLOS J. SERRANO, MD
~~22-88th STREET~~
JACKSON HEIGHTS, NY 11372
TEL. 718-507-9878
FAX 718-507-9894
Telephone Number

Please do not include any other medical information with this form.

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OSHA Occupational Safety and Health Administration

This card acknowledges that the recipient has successfully completed 10-hour Occupational Safety and Health Training Course in

**Construction Safety and Health**

ORLANDO RAMIREZ

ARIEL MONTOYA — Trainer name – print or type)
03/27/11 — (Course end dat

[redacted]

EDGAR ABARCA
749 Hamilton Street
2nd Fl
Harrison NJ 07029

| | | | |
|---|---|---|---|
| [redacted] | TYPE | | |
| | | 02/14/1965 | |
| M | 506 | 3 | 6 |
| [redacted] | | [redacted] | |

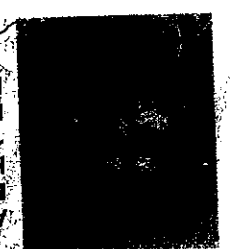
104283

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

EDGAR R ABARCA
CLASS(EXPIRES)
A HAND(02/12)

CERT# 01-05599
DMV# 167591823
MUST BE CARRIED ON ASBESTOS PROJECTS

Must be carried on all asbestos projects



NYC DEP Asbestos Control Program
Asbestos Certificate

ABARCA,
EDGAR R
HANDLER
116864
EXPIRES: 2/14/2012
DOB:2/14/1963 M 5' 6"

New York
ABATEMENT WORKER

Certified Lead-Based
Paint Professional

LIUNA Training Provider

**Construction Craft Laborers Training and Apprenticeship Fund of New Jersey and Delaware**

Name: **ORLANDO RAMIREZ**

Book: **3454400**

DOB: **02/12/1958**

Local: **78**

Init: **11/27/1996**

TRAINING VERIFICATION CARD

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**STATE OF NEW JERSEY**
**DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT**
**ASBESTOS CONTROL AND LICENSING**

ORLANDO RAMIREZ
P O Box 3068

Weehawken NJ 07086

| | | | |
|---|---|---|---|
| [redacted] PERMIT | TYPE | | CLASS |
| | | 02/12/1958 DATE OF BIRTH | |
| M SEX | 507 HEIGHT | 3 WEIGHT | 2 EYE COLOR |
| 08/09/2011 ISSUE DATE | | 08/09/2012 EXPIRES DATE | |

103515

STATE OF NEW JERSEY
DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT
ASBESTOS CONTROL AND LICENSING

IVAN BANDA
1500-38th Street
Apt 2
North Bergen NJ 07047

| | | | |
|---|---|---|---|
| 031517 PERMIT | | TYPE | CLASS |
| | | 01/01/1961 DATE OF BIRTH | |
| M SEX | 502 HEIGHT | 1 WEIGHT | 2 EYE COLOR |
| 02/03/2011 ISSUE DATE | | 02/03/2012 EXPIRES DATE | |

102156

STATE OF NEW JERSEY
DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT
ASBESTOS CONTROL AND LICENSING

JUAN RAMOS
719 27th Street
1 Floor
Union City NJ 07087

| | | | |
|---|---|---|---|
| 032567 PERMIT | | TYPE | CLASS |
| | | 10/05/1948 DATE OF BIRTH | |
| M SEX | 505 HEIGHT | 2 WEIGHT | 1 EYE COLOR |
| 08/04/2011 ISSUE DATE | | 08/04/2012 EXPIRES DATE | |

103471

STATE OF NEW JERSEY
DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT
ASBESTOS CONTROL AND LICENSING

DANILO JORDAN
2210 Summit Avenue
Apt 2
Union City NJ 07087

| | | | |
|---|---|---|---|
| 031750 PERMIT | | TYPE | CLASS |
| | | 05/08/1972 DATE OF BIRTH | |
| M SEX | 506 HEIGHT | 1 WEIGHT | 2 EYE COLOR |
| 12/12/2010 ISSUE DATE | | 12/12/2011 EXPIRES DATE | |

101085

STATE OF NEW JERSEY
DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT
ASBESTOS CONTROL AND LICENSING

LUIS GOMEZ
541 Church Street
Ridgefield NJ 07657

| | | | |
|---|---|---|---|
| 031521 PERMIT | | TYPE | CLASS |
| | | 07/20/1958 DATE OF BIRTH | |
| M SEX | 507 HEIGHT | 4 WEIGHT | 2 EYE COLOR |
| 12/10/2010 ISSUE DATE | | 12/10/2011 EXPIRES DATE | |

100880

STATE OF NEW JERSEY
DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT
ASBESTOS CONTROL AND LICENSING

HUGH WALSH
1935 Dwight Street
Cuyahoga Falls OH 44221

| | | | |
|---|---|---|---|
| 036311 PERMIT | | TYPE | CLASS |
| | | 07/12/1962 DATE OF BIRTH | |
| M SEX | 510 HEIGHT | 6 WEIGHT | 2 EYE COLOR |
| 03/28/2011 ISSUE DATE | | 03/28/2012 EXPIRES DATE | |

102422

STATE OF NEW JERSEY
DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT
ASBESTOS CONTROL AND LICENSING

HARRY BEAM
11154 Gordon Drive
Parma OH 44130

| | | | |
|---|---|---|---|
| 036307 PERMIT | | TYPE | CLASS |
| | | 02/16/1984 DATE OF BIRTH | |
| M SEX | 510 HEIGHT | 6 WEIGHT | 6 EYE COLOR |
| 03/28/2011 ISSUE DATE | | 03/28/2012 EXPIRES DATE | |

102417

STATE OF NEW JERSEY
DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT
ASBESTOS CONTROL AND LICENSING

ORLANDO RAMIREZ
P O Box 3068
Weehawken NJ 07086

| | | | |
|---|---|---|---|
| 9869 PERMIT | | TYPE | CLASS |
| | | 02/12/1958 DATE OF BIRTH | |
| M SEX | 507 HEIGHT | 3 WEIGHT | 2 EYE COLOR |
| 08/09/2011 ISSUE DATE | | 08/09/2012 EXPIRES DATE | |

103515

STATE OF NEW JERSEY
DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT
ASBESTOS CONTROL AND LICENSING

JEFFREY SCHNEIDER SR
9458 Cherry Tree Drive
Apt. 103
Strongsville OH 44136

| | | | |
|---|---|---|---|
| 036325 PERMIT | SUPVR TYPE | | CLASS |
| | | 10/20/1971 DATE OF BIRTH | |
| M SEX | 511 HEIGHT | 3 WEIGHT | 2 EYE COLOR |
| 04/18/2011 ISSUE DATE | | 04/18/2012 EXPIRES DATE | |

102766

STATE OF NEW JERSEY
DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT
ASBESTOS CONTROL AND LICENSING

RICHARD MCCOLLUM
1475 Meadowbrook Blvd.
Stow OH 44224

| | | | |
|---|---|---|---|
| 036313 PERMIT | SUPVR TYPE | | CLASS |
| | | 12/06/1974 DATE OF BIRTH | |

STATE OF NEW JERSEY
DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT
ASBESTOS CONTROL AND LICENSING

MATTHEW RATTAI
1620 Olympus Drive
Kent OH 44240

| | | | |
|---|---|---|---|
| 036310 PERMIT | | TYPE | CLASS |
| | | 04/09/1984 DATE OF BIRTH | |

N.Y.C.

EDGAR
ABARCA

*8 Hour Hazardous Waste Refresher*

Certification #
660708

This Certificate indicates successful completion of training as required by OSHA 29 CFR 1910.120 HAZWOPER

LOCAL
78

Issued 10/25/2011 Expires 10/25/2012

STATE OF NEW JERSEY
DEPARTMENT OF LABOR & WORKFORCE DEVELOPMENT
ASBESTOS CONTROL AND LICENSING

EDGAR ABARCA
749 Hamilton Street
2nd Fl
Harrison NJ 07029

| | | | |
|---|---|---|---|
| 032442 PERMIT | TYPE | | CLASS |
| | | 02/14/1965 DATE OF BIRTH | |
| M SEX | 506 HEIGHT | 3 WEIGHT | 6 EYE COLOR |
| 06/01/2011 ISSUE DATE | | 06/01/2012 EXPIRES DATE | |

104283

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Thursday, October 27, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM | Daily Summary |
|---|---|---|---|---|---|---|---|---|
| 30211 | S | J Schneider | x | 10 | 1 | | 01-1050 | Continued prep work on all exterior windows and criticals using 2 layers of 6 mil poly,started enviromental cleaning on 1st floor to establish clean room for containment of building 18,bagging all loose debris on floor,loaded afd's and power panels into building 18 and started setup of afd's |
| 30145 | F | R McCollum | x | 10 | | | 02-2005 | |
| 30504 | L | H Beam | x | 10 | | | 02-2120 | |
| 31215 | L | H Walsh | x | 10 | | | 02-2005 | |
| 30825 | L | M Rattai | x | 10 | | | 02-2120 | |
| | L | I Banda | x | 10 | | | 02-2005 | |
| | L | L Gomez | x | 10 | | | 02-2005 | |
| | L | O Ramirez | x | 10 | | | 02-2005 | |

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | BOBCAT | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |

| WORK PERFORMED | | |
|---|---|---|
| ACTIVITY | QTY | UNIT |
| Prep | | sf |
| Enviromental cleanup | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:** _____

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Friday, October 28, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM |
|---|---|---|---|---|---|---|---|
| 39211 | S | J Schneider | x | 10 | 1 | | 01-1050 |
| 30145 | F | R McCollum | x | 10 | | | 02-2005 |
| 30504 | L | H Beam | x | 10 | | | 02-2120 |
| 31215 | L | H Walsh | x | 10 | | | 02-2120 |
| 39825 | L | M Rattai | x | 10 | | | 02-2120 |
| | L | I Banda | x | 10 | | | 02-2005 |
| | L | L Gomez | x | 10 | | | 02-2005 |
| | L | O Ramirez | x | 10 | | | 02-2005 |

**Daily Summary**

Continued exterior prep work on all criticals using 2 layers of 6 mil poly,continued setup of afd's and power panels to generator, overpacked and removed 7 hazardous waste drums from building 18, drums put in storage area and covered with poly for weather protection, built 2 stage loadout with 2x4's and plywood and started prepping load out using 2 layers of 6 mil poly outside for weather protection and 2 layers inside for critical barriers

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | BOBCAT | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |

**WORK PERFORMED**

| ACTIVITY | QTY | UNIT |
|---|---|---|
| Prep | | sf |
| Enviromental cleanup | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |
| | | |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:** _____

JS

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

SCANNED

JOB NAME: Standard Chlorine

JOB NUMBER: 11-05-214 (PRIMARY) - (EXTRA)

DATE: Saturday, October 29, 2011

SHIFT TIME: 7:00 - 3:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM | Daily Summary |
|---|---|---|---|---|---|---|---|---|
| 60211 | S | J Schneider | x | | 8 | | 01-1050 | Finished prep work on 2 stage loadout and all criticals that could be reached from JLG lift, continued enviromental cleanup on 1st floor |
| 20195 | F | R McCollum | x | | 8 | | 02-2005 | |
| 30504 | L | H Beam | x | | 8 | | 02-2120 | |
| 312215 | L | H Walsh | x | | 8 | | 02-2120 | |
| 308825 | L | M Rattai | x | | 8 | | 02-2120 | |
| | L | I Banda | x | | 8 | | 02-2005 | |
| | L | L Gomez | x | | 8 | | 02-2005 | |
| | L | O Ramirez | x | | 8 | | 02-2005 | |

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | BOBCAT | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |
| | | |
| | | |
| | | |

| WORK PERFORMED | | |
|---|---|---|
| ACTIVITY | QTY | UNIT |
| Prep | | sf |
| Enviromental cleanup | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |
| | | |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

SUPERVISOR: Jeff Schneider

CUSTOMER:

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Monday, October 31, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM | Daily Summary |
|---|---|---|---|---|---|---|---|---|
| 30211 | S | J Schneider | x | 10 | 1 | | 01-1050 | continued prepping and enviromental cleanup on 1st floor of building 18, built gaylord boxes,put on pallets,lined withbags,and put inside loadout,moved gaylord boxes and liners into work area around building 18.Sent Edgar Abarca for precision physical fit test (passed). |
| 30145 | F | R McCollum | x | 10 | 0.5 | | 02-2005 | |
| 30504 | L | H Beam | x | 10 | | | 02-2120 | |
| 31215 | L | H Walsh | x | 10 | | | 02-2120 | |
| 30825 | L | M Rattai | x | 10 | | | 02-2120 | |
| | L | I Banda | x | 10 | | | 02-2005 | |
| | L | L Gomez | x | 10 | | | 02-2005 | |
| | L | O Ramirez | x | 10 | | | 02-2005 | |
| | L | E Abarca | x | 10 | | | 02-2005 | |

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | BOBCAT | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |

| WORK PERFORMED | | |
|---|---|---|
| ACTIVITY | QTY | UNIT |
| Prep | | sf |
| Enviromental cleanup | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |
| | | |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:** _____

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Tuesday, November 01, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM |
|---|---|---|---|---|---|---|---|
| 30211 | S | J Schneider | x | 10 | 1 | | 01-1050 |
| 30145 | F | R McCollum | x | 10 | 0.5 | | 02-2005 |
| 30504 | L | H Beam | x | 10 | | | 02-2120 |
| 21215 | L | H Walsh | x | 10 | | | 02-2120 |
| 30825 | L | M Rattai | x | 10 | | | 02-2120 |
| | L | I Banda | x | 10 | | | 02-2005 |
| | L | L Gomez | x | 10 | | | 02-2005 |
| | L | O Ramirez | x | 10 | | | 02-2005 |
| | L | E Abarca | x | 10 | | | 02-2005 |

**Daily Summary**

Finished prep on criticals and also finished enviromental clean up on 1st floor of building 18,loaded out all generated ACM bags to gaylord boxes in load out,Started prep on conex box for storage of gaylord boxes on site using 2 layers of 6 mil poly on the floor and walls, connected office trailer to generator and moved all tools and supplies into trailer for weather protection (spray glue,tape,spray foam,etc).

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | BOBCAT | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |

**WORK PERFORMED**

| ACTIVITY | QTY | UNIT |
|---|---|---|
| Prep | | sf |
| Enviromental cleanup | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:** _____

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Wednesday, November 02, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM |
|---|---|---|---|---|---|---|---|
| 30211 | S | J Schneider | x | 10 | 1 | | 01-1050 |
| 30145 | F | R McCollum | x | 10 | 0.5 | | 02-2020 |
| 30504 | L | H Beam | x | 10 | | | 02-2020 |
| 3215 | L | H Walsh | x | 10 | | | 02-2055 |
| 30825 | L | M Rattai | x | 10 | | | 02-2020 |
| | L | I Banda | x | 10 | | | 02-2020 |
| | L | L Gomez | x | 10 | | | 02-2055 |
| | L | O Ramirez | x | 10 | | | 02-2055 |
| | L | E Abarca | x | 10 | | | 02-2055 |

**Daily Summary**

continued prepping on 1st floor of building 18 to achieve -.02, Finished prep work on conex box,Started removal of acm pipe using glovebag methods on 1st floor of building 18,Started removal of transite panels on building 21 using wet methods.

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | BOBCAT | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |

**WORK PERFORMED**

| ACTIVITY | QTY | UNIT |
|---|---|---|
| Prep | | sf |
| Glovebag removal | | sf |
| Transite removal | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:** _____

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Thurs ~~Wednesday~~, November 03 ~~02~~, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM |
|---|---|---|---|---|---|---|---|
| 30211 | S | J Schneider | x | 10 | 0.5 | | 01-1050 |
| 30115 | F | R McCollum | x | 10 | 0.5 | | 02-2020 |
| 30204 | L | H Beam | x | 10 | | | 02-2020 |
| 31215 | L | H Walsh | x | 10 | | | 02-2055 |
| 30825 | L | M Rattai | x | 10 | | | 02-2020 |
| | L | I Banda | x | 10 | | | 02-2020 |
| | L | L Gomez | x | 10 | | | 02-2055 |
| | L | O Ramirez | x | 10 | | | 02-2055 |
| | L | E Abarca | x | 10 | | | 02-2020 |

**Daily Summary**

Continued removal of acm pipe using glovebag methods in building 18,loaded out all acm bags to gaylord boxes and put into onsite conex for storage.Continued removal of transite panels on building 21 using wet methods and wrapping panels in 2 layers of 6 mil poly,finished glovebags and final cleaning on the 1st floor of building 18,Third party performed visual inspection and area was locked down with encapsulant,final air was ran and results to follow by 11-8-11

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | BOBCAT | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |

**WORK PERFORMED**

| ACTIVITY | QTY | UNIT |
|---|---|---|
| Glovebag | | sf |
| Transite removal | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:** _____

JS

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

SCANNED

JOB NAME: Standard Chlorine JOB NUMBER: 11-05-214 (PRIMARY) - (EXTRA)

DATE: Tuesday, October 25, 2011 SHIFT TIME: 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM | Daily Summary |
|---|---|---|---|---|---|---|---|---|
| 30[illegible] | S | J Schneider | x | 10 | 1 | | 01-1000 | Mobilized to job site,offloaded tools and suppliesfrom Chemtron semi,moved all rental equipment into work area. |
| 30145 | F | R McCollum | x | 10 | | | 01-1000 | |
| 30504 | L | H Beam | x | 10 | | | 01-1000 | |
| 31015 | L | H Walsh | x | 10 | | | 01-1000 | |
| 30805 | L | M Rattai | x | 10 | | | 01-1000 | |
| | L | I Banda | x | 10 | | | 01-1000 | |
| | L | L Gomez | x | 10 | | | 01-1000 | |
| | L | O Ramirez | x | 10 | | | 01-1000 | |
| | L | R Womack | x | 8 | | | 01-1000 | |

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | BOBCAT | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |

| WORK PERFORMED | | |
|---|---|---|
| ACTIVITY | QTY | UNIT |
| Mobilization | | sf |
| | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |
| | | |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

SUPERVISOR: Jeff Schneider CUSTOMER:

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Wednesday, October 26, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM | Daily Summary |
|---|---|---|---|---|---|---|---|---|
| 30217 | S | J Schneider | x | 10 | 1 | | 02-2005 | Started prep on all exterior criticals using 2 layers of 6 mil poly,offloaded all equipment from box truck into conex box onsite,setup remote shower in back of box truck and attached water cell to shower. |
| 30195 | F | R McCollum | x | 10 | | | 02-2005 | |
| 30504 | L | H Beam | x | 10 | | | 02-2005 | |
| 31213 | L | H Walsh | x | 10 | | | 02-2005 | |
| 30625 | L | M Rattai | x | 10 | | | 02-2005 | |
| | L | I Banda | x | 10 | | | 02-2005 | |
| | L | L Gomez | x | 10 | | | 02-2005 | |
| | L | O Ramirez | x | 10 | | | 02-2005 | |

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | BOBCAT | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |

**WORK PERFORMED**

| ACTIVITY | QTY | UNIT |
|---|---|---|
| Prep | | sf |
| | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:** _____

JS

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

JOB NAME: Standard Chlorine JOB NUMBER: 11-05-214 - 
PRIMARY EXTRA

SCANNED

DATE: Tuesday, November 08, 2011 SHIFT TIME: 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM | Daily Summary |
|---|---|---|---|---|---|---|---|---|
| 30411 | S | J Schneider | x | 10 | 1 | | 01-1050 | Air test passed on building 18,started prep on decon and clean room in building 18,started prep work on inside of containment in building 18 to achieve -2 enclosure, finished removal of acm panels on building 21,loaded all transite panels into onsite 30yd dumpster. |
| 30445 | F | R McCollum | x | 10 | 0.5 | | 02-2005 | |
| 30504 | L | H Beam | x | 10 | | | 02-2055 | |
| 31415 | L | H Walsh | x | 10 | | | 02-2005 | |
| 30623 | L | M Rattai | x | 10 | | | 02-2005 | |
| | L | I Banda | x | 10 | | | 02-2005 | |
| | L | L Gomez | x | 10 | | | 02-2055 | |
| | L | O Ramirez | x | 10 | | | 02-2055 | |
| | L | E Abarca | x | 10 | | | 02-2055 | |
| | L | D Jordan | x | 10 | | | 02-2005 | |
| | L | J Ramos | x | 10 | | | 02-2005 | |

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | LULL | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |

| WORK PERFORMED | | |
|---|---|---|
| ACTIVITY | QTY | UNIT |
| Prep | | sf |
| Transite removal | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |
| | | |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

SUPERVISOR: Jeff Schneider CUSTOMER:

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Wed ~~Tuesday~~, November 09, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM | Daily Summary |
|---|---|---|---|---|---|---|---|---|
| 35041 | S | J Schneider | x | 10 | 1 | | 01-1050 | Final cleaned building 21 and surrounding area,visual inspection performed and passed,final air ran and results to follow 11-10-11,finished interior prep and decon setup in building 18,Started removal of bulk TSI acm using wet methods and loading all acm debris into gaylord boxes,double lined conex box with 2 layers of 6 mil poly, used lull to transport boxes to onsite conex box for storage. |
| 30145 | F | R McCollum | x | 10 | 0.5 | | 02-2030 | |
| 30504 | L | H Beam | x | 10 | | | 02-2055 | |
| 31213 | L | H Walsh | x | 10 | | | 02-2030 | |
| 30825 | L | M Rattai | x | 10 | | | 02-2095 | |
| | L | I Banda | x | 10 | | | 02-2030 | |
| | L | L Gomez | x | 10 | | | 02-2055 | |
| | L | O Ramirez | x | 10 | | | 02-2030 | |
| | L | E Abarca | x | 10 | | | 02-2030 | |
| | L | D Jordan | x | 10 | | | 02-2030 | |
| | L | J Ramos | x | 10 | | | 02-2030 | |

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | LULL | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |
| | | |
| | | |
| | | |

| WORK PERFORMED | | |
|---|---|---|
| ACTIVITY | QTY | UNIT |
| Prep | | sf |
| Transite removal | | sf |
| Bulk acm removal | | sf |
| Load out | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |
| | | |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:** _____

# CONTRACT WORK

# PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine

**JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Thurs Tuesday, November ~~08~~ 10, 2011

**SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM |
|---|---|---|---|---|---|---|---|
| 30211 | S | J Schneider | x | 10 | 1 | | 01-1050 |
| 30445 | F | R McCollum | x | 10 | 0.5 | | 02-2030 |
| 30504 | L | H Beam | x | 10 | | | 02-2055 |
| 31215 | L | H Walsh | x | 10 | | | 02-2030 |
| 31825 | L | M Rattai | x | 10 | | | 02-2095 |
| | L | I Banda | x | 10 | | | 02-2030 |
| | L | L Gomez | x | 10 | | | 02-2055 |
| | L | O Ramirez | x | 10 | | | 02-2030 |
| | L | E Abarca | x | 10 | | | 02-2030 |
| | L | D Jordan | x | 10 | | | 02-2030 |
| | L | J Ramos | x | 10 | | | 02-2030 |

**Daily Summary**

Continued removal of bulk acm TSI using wet methods and loading acm debris into gaylord boxes,loaded boxes into conex box for storage,Setup regulated area and started removal of acm window glazing on building 17 using wet methods,loaded all acm debris into onsite 30yd dumpster.

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | LULL | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |

**WORK PERFORMED**

| ACTIVITY | QTY | UNIT |
|---|---|---|
| Acm bulk removal | | sf |
| Acm window glazing removal | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider

**CUSTOMER:** _____

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine

**JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Fri ~~Tuesday~~, November 11 ~~08~~, 2011

**SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM |
|---|---|---|---|---|---|---|---|
| 30211 | S | J Schneider | x | 10 | 1 | | 01-1050 |
| 30145 | F | R McCollum | x | 10 | 0.5 | | 02-2030 |
| 31504 | L | H Beam | x | 10 | | | 02-2055 |
| 31215 | L | H Walsh | x | 10 | | | 02-2030 |
| 30825 | L | M Rattai | x | 10 | | | 02-2095 |
| | L | I Banda | x | 10 | | | 02-2030 |
| | L | L Gomez | x | 10 | | | 02-2055 |
| | L | O Ramirez | x | 10 | | | 02-2030 |
| | L | E Abarca | x | 10 | | | 02-2030 |
| | L | D Jordan | x | 10 | | | 02-2030 |
| | L | J Ramos | x | 10 | | | 02-2030 |

**Daily Summary**

Continued removal of bulk acm TSI in building 18 using wet methods and loading all acm debris into gaylord boxes and put boxes into on site conex for storage, continued removal of acm window glazing on building 17 using wet methods and loaded all acm debris into onsite lined 30yd dumpster

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | LULL | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |
| | | |
| | | |
| | | |

**WORK PERFORMED**

| ACTIVITY | QTY | UNIT |
|---|---|---|
| Acm bulk removal | | sf |
| Transite removal | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |
| | | |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - **30 yd can** | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider

**CUSTOMER:** _____

JS

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Saturday, November 12, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM | Daily Summary |
|---|---|---|---|---|---|---|---|---|
| 30211 | S | J Schneider | x | | 11 | | 01-1050 | Continued removal of bulk acm in building 18 using wet methods and loading all acm debris into gaylord boxes,gaylord boxes put into conex box for storage using lull.Finished removal of acm window caulk using wet methods and started final cleaning surrounding area on building 17. |
| 30145 | F | R McCollum | x | | 10.5 | | 02-2030 | |
| 30504 | L | H Beam | x | | 10 | | 02-2055 | |
| 31215 | L | H Walsh | x | | 10 | | 02-2030 | |
| 30825 | L | M Rattai | x | | 10 | | 02-2095 | |
| 32208 | L | I Banda | x | | 10 | | 02-2030 | |
| 32207 | L | L Gomez | x | | 10 | | 02-2055 | |
| 32209 | L | O Ramirez | x | | 10 | | 02-2030 | |
| 32211 | L | E Abarca | x | | 10 | | 02-2030 | |
| 32013 | L | D Jordan | x | | 10 | | 02-2030 | |
| 32212 | L | J Ramos | x | | 10 | | 02-2030 | |

| Owned / Rental | EQUIPMENT | | QTY | |
|---|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 | |
| 1010 | saw z all | | 4 | |
| 1010 | chipping hammer | | 1 | |
| 1010 | cordless drill | | 2 | |
| 1010 | GRINDER | | 2 | |
| 1015 | MANLIFT | | 1 | |
| 1015 | LULL | | 1 | |
| 1010 | glovebag vac | | 4 | |
| 1010 | circular saw | | 1 | |
| 1010 / 1015 | conex | | | |
| 1010 | Shower | | 2 | |
| 1015 | generator | | 1 | |
| 1010 | generator | 8611 | 1 | |
| 1010 | shop vac | | | |
| 1010 | HEPA VACS | | 2 | |
| 1010 | POWER PANEL | | 6 | |
| 1010 | AFD | | 18 | |

| ITEM | DELIVERY | QTY | |
|---|---|---|---|
| 1001 | SHOP / DELIVERIES | | |
| 1020 | FUEL | | |

**WORK PERFORMED**

| ACTIVITY | QTY | UNIT |
|---|---|---|
| Acm bulk removal | | sf |
| Transite removal | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |
| | | |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - **30 yd can** | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:** _____

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - (EXTRA)

**DATE:** Monday, November 14, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM |
|---|---|---|---|---|---|---|---|
| 30211 | S | J Schneider | x | 10 | 1 | | 01-1050 |
| 30445 | F | R McCollum | x | 10 | 0.5 | | 02-2030 |
| 30544 | L | H Beam | x | 10 | | | 02-2055 |
| 3225 | L | H Walsh | x | 10 | | | 02-2030 |
| 37825 | L | M Rattai | x | 10 | | | 02-2095 |
| 30208 | L | I Banda | x | 10 | | | 02-2030 |
| 36601 | L | L Gomez | x | 10 | | | 02-2055 |
| 32419 | L | O Ramirez | x | 10 | | | 02-2030 |
| 32211 | L | E Abarca | x | 10 | | | 02-2030 |
| 30213 | L | D Jordan | x | 10 | | | 02-2030 |
| 32212 | L | J Ramos | x | 10 | | | 02-2030 |

**Daily Summary**

Continued removal of bulk acm in building 18 using wet methods,started final cleaning building from the top floor moving down, and loading all acm debris into gaylord boxes,gaylord boxes put into conex box for storage using lull.Finished final cleaning around building 17 and visual inspection performed by Enviromental Tactics (3rd party) and passed.Final air clearance was ran and results to follow.Started removal of acm transite panels on building 15 using wet methods and all acm debris loaded into onsite lined dumpster.

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | LULL | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |

**WORK PERFORMED**

| ACTIVITY | QTY | UNIT |
|---|---|---|
| Acm bulk removal | | sf |
| Transite removal | | sf |
| Final Clean | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| soil | | cubic yd |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:**

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Tuesday, November 15, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM | Daily Summary |
|---|---|---|---|---|---|---|---|---|
| 3D211 | S | J Schneider | x | 10 | 1 | | 01-1050 | Continued removal and final cleaning in building 18 loading all acm debris into gaylord boxes,did patch and repair work on all criticals on containment.Continued removal of acm transite panels and loading into onsite dumpster on building 17 |
| 3DN5 | F | R McCollum | x | 10 | 0.5 | | 02-2030 | |
| 3D5D4 | L | H Beam | x | 10 | | | 02-2055 | |
| 3B215 | L | H Walsh | x | 10 | | | 02-2030 | |
| 3D825 | L | M Rattai | x | 10 | | | 02-2095 | |
| 3B2136 | L | I Banda | x | 10 | | | 02-2030 | |
| 3B2D7 | L | L Gomez | x | 10 | | | 02-2055 | |
| 3B2214 | L | O Ramirez | x | 10 | | | 02-2030 | |
| 3B211 | L | E Abarca | x | 10 | | | 02-2030 | |
| 3B213 | L | D Jordan | x | 10 | | | 02-2030 | |
| 3B212 | L | J Ramos | x | 10 | | | 02-2030 | |

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | LULL | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |
| | | |
| | | |
| | | |

| WORK PERFORMED | | |
|---|---|---|
| ACTIVITY | QTY | UNIT |
| Acm bulk removal | | sf |
| Transite removal | | sf |
| Final Clean | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |
| | | |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:** _____

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Wednesday, November 16, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM | Daily Summary |
|---|---|---|---|---|---|---|---|---|
| 2D211 | S | J Schneider | x | 10 | 1 | | 01-1050 | Continued final cleaning using pressure washer and loading all acm debris into gaylord boxes and loading boxes into onsite conex box for storage |
| 3DH45 | F | R McCollum | x | 10 | 0.5 | | 02-2090 | |
| | | | | | | | | |
| 3D215 | L | H Walsh | x | 10 | | | 02-2090 | |
| 3D125 | L | M Rattai | x | 8 | | | 02-2095 | |
| 3D208 | L | I Banda | x | 10 | | | 02-2090 | |
| | | | | | | | | |
| 32019 | L | O Ramirez | x | 10 | | | 02-2090 | |
| 32211 | L | E Abarca | x | 10 | | | 02-2090 | |
| 32213 | L | D Jordan | x | 10 | | | 02-2090 | |
| 32012 | L | J Ramos | x | 10 | | | 02-2090 | |

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | LULL | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |
| | | |
| | | |
| | | |

**WORK PERFORMED**

| ACTIVITY | QTY | UNIT |
|---|---|---|
| Final Clean | | sf |
| | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |
| | | |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:** _____

13767

# TIME & MATERIAL EXTRA WORK - PRECISION ENVIRONMENTAL CO.

SCANNED

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 1105214 (PRIMARY) - _____ (EXTRA)

**DATE:** 11-16-11 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM | WORK PERFORMED | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 30504 | | H. Beam | X | 10 | 1 | | 02-2120 | ACTIVITY | QTY | UNIT |
| 30207 | | L. Goniez | X | 10 | | | 02-2120 | Enviromental | | sf |
| 30825 | | M. Rattai | X | 2 | 1 | | 02-2120 | Clean Up | | sf |
| 30211 | | J. Schneider | X | | 1 | | 02-2120 | | | lf |
| 30145 | | R. McCollum | X | | 1 | | 02-2120 | | | lf |
| 31215 | | H. Walsh | X | | 1 | | 02-2120 | | | ea |

| Owned / Rental | EQUIPMENT | | QTY | |
|---|---|---|---|---|
| 1010 / 1015 | TRUCK | | | |
| 1010 / 1015 | TRUCK | | | |
| 1010 / 1015 | BOBCAT | | | |
| 1010 / 1015 | MINI-EXCAVATOR | | | |
| 1010 / 1015 | ATTACHMENTS | | | |
| 1010 / 1015 | FORKLIFT | | | |
| 1010 / 1015 | MAN LIFT | | | |
| 1010 / 1015 | COMPRESSOR | | | |
| 1010 / 1015 | AFD | | | |
| 1010 / 1015 | POWER PANEL | | | |
| 1010 / 1015 | DECON-SHOWER | | | |
| 1010 / 1015 | HEPA VACS | | | |
| 1010 / 1015 | SCAFFOLDING | | | |
| 1010 / 1015 | POWER WASHER | | | |
| 1010 / 1015 | GENERATOR | | 1 | |
| 1010 / 1015 | SAWZALL | | | |
| 1010 / 1015 | GRINDERS | | | |
| 1010 / 1015 | Lull | | 1 | |
| 1010 / 1015 | Chipping Hammer | | 1 | |
| 1010 / 1015 | | | | |
| 1010 / 1015 | | | | |
| 1010 / 1015 | | | | |

| ITEM | DELIVERY | QTY | |
|---|---|---|---|
| 1001 | SHOP/DELIVERIES | | |
| 1020 | FUEL | | |
| | | | |

| ITEM | DESCRIPTION | QTY | |
|---|---|---|---|
| 1040 | AIR MONITORING | | |
| 1046 | DISPOSAL - CD | | |
| 1045 | DISPOSAL - ASBO | | |
| | Manifest # | | |
| | *Bags* | | |
| | *Drums* | | |
| | *Dumpsters - _____ Cy* | | |
| 1999 | SCRAP | | |
| | Ticket # | | |

**DAILY SUMMARY**

Setup vac truck and Hoses and enviromental cleaned 2 floor pits of hazardous material and water using vac truck for water and put solid debris into drums. Drained vac truck into drums and put on pallets, Pallets moved over to storage area

**MATERIALS**

| TYPE | DESCRIPTION | QTY | UNIT |
|---|---|---|---|
| POLY | 4 mil x 12 ( C - B - FR ) | | Rolls |
| POLY | 4 mil x 20 ( C - B - FR ) | | Rolls |
| POLY | 6 mil x 12 ( C - B - FR ) | 2 | Rolls |
| POLY | 6 mil x 20 ( C - B - FR ) | | Rolls |
| LAY FLAT | | | Lf |
| LUMBER | | | |
| LUMBER | | | |
| LUMBER | | | |
| TAPE | | 4 | Rolls |
| SPRAY GLUE | | | Cans |
| DISPOSAL BAGS | | | Each |
| GLOVE BAGS | | | Each |
| GLOVE BAGS | | | Each |
| REWETTABLE | | | Lf |
| MASTIC REMOVER | | | Gallons |
| ENCAPSULANT | | | Gallons |
| BRIDGING | | | Gallons |

**SUPERVISOR:** [signature] **CUSTOMER:** [signature]

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Thursday, November 17, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM |
|---|---|---|---|---|---|---|---|
| 30211 | S | J Schneider | x | 10 | 1 | | 01-1050 |
| 30145 | F | R McCollum | x | 10 | 0.5 | | 02-2090 |
| 30504 | L | H Beam | x | 10 | | | 02-2120 |
| 31215 | L | H Walsh | x | 10 | | | 02-2090 |
| 31165 | L | M Rattai | x | 10 | | | 02-2095 |
| 32207 | L | I Banda | x | 10 | | | 02-2090 |
| 32212 | L | L Gomez | x | 10 | | | 02-2120 |
| 32209 | L | O Ramirez | x | 10 | | | 02-2090 |
| 32211 | L | E Abarca | x | 10 | | | 02-2090 |
| 32213 | L | D Jordan | x | 10 | | | 02-2090 |
| 32210 | L | J Ramos | x | 10 | | | 02-2090 |

**Daily Summary**

Continued final cleaning using pressure washer and collecting all water in floor pit,started rinsing off tools and supplies and loading out of containment,Setup vac truck and started to vac out floor pit under tank for final cleaning,emptied vac truck into 55 gallon drums and set on pallets,pallets where set on 2 layers of poly and wrapped to prevent any leaking from drums,continued to use vac truck in floor pit once truck was emptied,started pressure washing pit and pit floor and bagging all bulk debris.

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | LULL | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |
| | | |
| | | |
| | | |

**WORK PERFORMED**

| ACTIVITY | QTY | UNIT |
|---|---|---|
| Final Clean | | sf |
| Enviromental Clean Up | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |
| | | |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:** _____

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Friday, November 18, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM |
|---|---|---|---|---|---|---|---|
| 302111 | S | J Schneider | x | | 11 | | 01-1050 |
| 301145 | F | R McCollum | x | | 10 | | 02-2030 |
| 305014 | L | H Beam | x | | 10 | | 02-2055 |
| 31215 | L | H Walsh | x | | 10 | | 02-2030 |
| 309805 | L | M Rattai | x | | 10 | | 02-2095 |
| 302058 | L | I Banda | x | | 10 | | 02-2030 |
| 302107 | L | L Gomez | x | | 10 | | 02-2055 |
| 302119 | L | O Ramirez | x | | 10 | | 02-2030 |
| 302211 | L | E Abarca | x | | 10 | | 02-2030 |
| 302213 | L | D Jordan | x | | 10 | | 02-2030 |
| 302212 | L | J Ramos | x | | 10 | | 02-2030 |

**Daily Summary**

Continued to use vac truck to final clean floor pit,Continued final cleaning and rinse down in containment,emptied vac truck into 55 gallon drums and sealed.

Cost code changed to 02-2090

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | LULL | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |

**WORK PERFORMED**

| ACTIVITY | QTY | UNIT |
|---|---|---|
| Enviromental Cleanup | | sf |
| | | sf |
| Final Clean | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |
| | | |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:** _____

JD

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Saturday, November 19, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM | Daily Summary |
|---|---|---|---|---|---|---|---|---|
| 30211 | S | J Schneider | x | | 11 | | 01-1050 | Continued final cleaning containment in building 18 using pressure washer and drum vac to collect all acm water. |
| 31143 | F | R McCollum | x | | 10 | | 02-2090 | |
| 30504 | L | H Beam | x | | 10 | | 02-2090 | |
| 31215 | L | H Walsh | x | | 10 | | 02-2090 | |
| 30825 | L | M Rattai | x | | 10 | | 02-2090 | |
| 32208 | L | I Banda | x | | 10 | | 02-2090 | |
| 32207 | L | L Gomez | x | | 10 | | 02-2090 | |
| 35409 | L | O Ramirez | x | | 10 | | 02-2090 | |
| 36211 | L | E Abarca | x | | 10 | | 02-2090 | |
| 35213 | L | D Jordan | x | | 10 | | 02-2090 | |
| 35212 | L | J Ramos | x | | 10 | | 02-2090 | |

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | LULL | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |

**WORK PERFORMED**

| ACTIVITY | QTY | UNIT |
|---|---|---|
| Final Clean | | sf |
| | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |
| | | |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:** _____

JD

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - (EXTRA)

**DATE:** Monday, November 21, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM |
|---|---|---|---|---|---|---|---|
| 30211 | S | J Schneider | x | 10 | 1 | | 01-1050 |
| 30143 | F | R McCollum | x | 10 | | | 02-2090 |
| 30504 | L | H Beam | x | 10 | | | 02-2090 |
| 3215 | L | H Walsh | x | 10 | | | 02-2090 |
| 30925 | L | M Rattai | x | 10 | | | 02-2090 |
| 32218 | L | I Banda | x | 10 | | | 02-2090 |
| 32207 | L | L Gomez | x | 10 | | | 02-2090 |
| 32209 | L | O Ramirez | x | 10 | | | 02-2090 |
| 32211 | L | E Abarca | x | 10 | | | 02-2090 |
| 32213 | L | D Jordan | x | 10 | | | 02-2090 |
| 32212 | L | J Ramos | x | 10 | | | 02-2090 |

**Daily Summary**

Continued final cleaning in building 18,visual inspection performed by third party and passed.Continued removal of acm transite panels on building 15 and loaded all debris into onsite dumpster.Locked down containment in building 18 using post set encpsulant and loaded out remaining tools and supplies from building.

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | LULL | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |

**WORK PERFORMED**

| ACTIVITY | QTY | UNIT |
|---|---|---|
| Final Clean | | sf |
| Acm transite removal | | sf |
| Lockdown | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:**

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Tuesday, November 22, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM | Daily Summary |
|---|---|---|---|---|---|---|---|---|
| 30211 | S | J Schneider | x | 10 | 1 | | 01-1050 | Continued removal o acm transite panels using wet methods on building 15 and loaded all acm debris into onsite dumpster.Final air ran in containment in building 18,results to follow by 11-29-11 |
| 30145 | F | R McCollum | x | 10 | | | 02-2055 | |
| 30524 | L | H Beam | x | 10 | | | 02-2055 | |
| 31215 | L | H Walsh | x | 10 | | | 02-2055 | |
| 30582 | L | M Rattai | x | 10 | | | 02-2055 | |
| 37808 | L | I Banda | x | 10 | | | 02-2055 | |
| 33202 | L | L Gomez | x | 10 | | | 02-2055 | |
| 30209 | L | O Ramirez | x | 10 | | | 02-2055 | |
| 30211 | L | E Abarca | x | 10 | | | 02-2055 | |
| 30213 | L | D Jordan | x | 10 | | | 02-2055 | |
| 30212 | L | J Ramos | x | 10 | | | 02-2055 | |

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | LULL | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |
| | | |
| | | |
| | | |

| WORK PERFORMED | | |
|---|---|---|
| ACTIVITY | QTY | UNIT |
| Acm Transite Removal | | sf |
| | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |
| | | |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - **30 yd can** | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:** _____

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Tuesday, November 29, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM | Daily Summary |
|---|---|---|---|---|---|---|---|---|
| 30721 | S | J Schneider | x | 10 | 1 | | 01-1050 | Continued removal of transite panels on building 15,Started removal of transite on building 18,all criticals were removed before removal could begin.Loaded acm gaylord boxes into semi for transportation off of work site,loaded all transite panels into onsite dumpster. |
| 30145 | F | R McCollum | x | 10 | 0.5 | | 02-2055 | |
| 30504 | L | H Beam | x | 10 | | | 02-2055 | |
| 31815 | L | H Walsh | x | 10 | | | 02-2055 | |
| 32825 | L | M Rattai | x | 10 | | | 02-2055 | |
| 32228 | L | I Banda | x | 10 | | | 02-2055 | |
| 32207 | L | L Gomez | x | 10 | | | 02-2055 | |
| 32209 | L | O Ramirez | x | 10 | | | 02-2055 | |
| 32211 | L | E Abarca | x | 10 | | | 02-2055 | |
| 32213 | L | D Jordan | x | 10 | | | 02-2055 | |
| 32212 | L | J Ramos | x | 10 | | | 02-2055 | |

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | LULL | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |
| | | |
| | | |
| | | |

| WORK PERFORMED | | |
|---|---|---|
| ACTIVITY | QTY | UNIT |
| Acm Transite Removal | | sf |
| | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |
| | | |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:** _____

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Wednesday, November 30, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM |
|---|---|---|---|---|---|---|---|
| 20211 | S | J Schneider | x | 10 | 1 | | 01-1050 |
| 20143 | F | R McCollum | x | 10 | 0.5 | | 02-2055 |
| 20504 | L | H Beam | x | 10 | | | 02-2055 |
| 20215 | L | H Walsh | x | 10 | | | 02-2055 |
| 20825 | L | M Rattai | x | 10 | | | 02-2055 |
| 20208 | L | I Banda | x | 10 | | | 02-2055 |
| 20207 | L | L Gomez | x | 10 | | | 02-2055 |
| 20209 | L | O Ramirez | x | 10 | | | 02-2055 |
| 20211 | L | E Abarca | x | 10 | | | 02-2055 |
| 20213 | L | D Jordan | x | 10 | | | 02-2055 |
| 20212 | L | J Ramos | x | 10 | | | 02-2055 |

**Daily Summary**

Continued removal of acm transite panels on building 15 and building 18 and loaded all removed panels into onsite dumpster.Started removing all equipment from building 18 that was used for containment and loaded into conex box for storage.

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | LULL | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |

**WORK PERFORMED**

| ACTIVITY | QTY | UNIT |
|---|---|---|
| Acm Transite Removal | | sf |
| | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:** _____

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Thursday, December 01, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM | Daily Summary |
|---|---|---|---|---|---|---|---|---|
| 30211 | S | J Schneider | x | 10 | 1 | | 01-1050 | Continued removal of transite panels on buildings 15 and 18 and loading all panels into onsite dumpster. |
| 30145 | F | R McCollum | x | 10 | 0.5 | | 02-2055 | |
| 32504 | L | H Beam | x | 10 | | | 02-2055 | |
| 32015 | L | H Walsh | x | 10 | | | 02-2055 | |
| 30525 | L | M Rattai | x | 10 | | | 02-2055 | |
| 32026 | L | I Banda | x | 10 | | | 02-2055 | |
| 32027 | L | L Gomez | x | 10 | | | 02-2055 | |
| 32029 | L | O Ramirez | x | 10 | | | 02-2055 | |
| 32021 | L | E Abarca | x | 10 | | | 02-2055 | |
| 32013 | L | D Jordan | x | 10 | | | 02-2055 | |
| 32012 | L | J Ramos | x | 10 | | | 02-2055 | |

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | LULL | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |
| | | |
| | | |
| | | |

**WORK PERFORMED**

| ACTIVITY | QTY | UNIT |
|---|---|---|
| Acm Transite Removal | | sf |
| | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |
| | | |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:** _____

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Friday, December 02, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM |
|---|---|---|---|---|---|---|---|
| 32211 | S | J Schneider | x | 10 | 1 | | 01-1050 |
| 31215 | L | H Walsh | x | 10 | | | 02-2055 |
| 30504 | L | H Beam | x | 10 | | | 02-2055 |
| 32211 | L | E Abarca | x | 10 | | | 02-2055 |
| 32213 | L | D Jordan | x | 10 | | | 02-2055 |
| 32201 | L | L Gomez | x | 10 | | | 02-2055 |

**Daily Summary**

Continued removal of transite panels on buildings 15 and 18 and loading all removed panels into onsite dumpster,Loaded hazardous waste drums onto semi trailer for transportation off of work site.

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | LULL | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |

**WORK PERFORMED**

| ACTIVITY | QTY | UNIT |
|---|---|---|
| Acm Transite Removal | | sf |
| | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:** _____

13769

# TIME & MATERIAL EXTRA WORK - PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 1105214 (PRIMARY) - _____ (EXTRA)

**DATE:** 12·2·11 **SHIFT TIME:** 7:00 - 5:30

SCANNED

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM | WORK PERFORMED ACTIVITY | QTY | UNIT |
|---|---|---|---|---|---|---|---|---|---|---|
| | F | R. McCollum | X | 10 | | | 02·2120 | | | |
| | L | M. Rattai | X | 10 | | | 02·2120 | Enviromental | | sf |
| | L | I. Banda | X | 10 | | | 02·2120 | Clean Up | | sf |
| | L | O. Ramirez | X | 10 | | | 02·2120 | K085 Tank | | lf |
| | L | J. Ramos | X | 10 | | | 02·2120 | | | lf |
| | | | | | | | | | | ea |

| Owned / Rental | EQUIPMENT | | QTY | |
|---|---|---|---|---|
| 1010 / 1015 | TRUCK | | | |
| 1010 / 1015 | TRUCK | | | |
| 1010 / 1015 | BOBCAT | | | |
| 1010 / 1015 | MINI-EXCAVATOR | | | |
| 1010 / 1015 | ATTACHMENTS | | | |
| 1010 / 1015 | FORKLIFT | | | |
| 1010 / 1015 | MAN LIFT | | | |
| 1010 / 1015 | COMPRESSOR | | | |
| 1010 / 1015 | AFD | | 1 | |
| 1010 / 1015 | POWER PANEL | | | |
| 1010 / 1015 | DECON-SHOWER | | | |
| 1010 / 1015 | HEPA VACS | | | |
| 1010 / 1015 | SCAFFOLDING | | | |
| 1010 / 1015 | POWER WASHER | | | |
| 1010 / 1015 | GENERATOR | | | |
| 1010 / 1015 | SAWZALL | | | |
| 1010 / 1015 | GRINDERS | | | |
| 1010 / 1015 | Chipping Hammer | | 1 | |
| 1010 / 1015 | 6' Ladder | | 1 | |
| 1010 / 1015 | | | | |
| 1010 / 1015 | | | | |
| 1010 / 1015 | | | | |

| ITEM | DELIVERY | QTY | |
|---|---|---|---|
| 1001 | SHOP/DELIVERIES | | |
| 1020 | FUEL | | |

| ITEM | DESCRIPTION | QTY | |
|---|---|---|---|
| 1040 | AIR MONITORING | | |
| 1046 | DISPOSAL - CD | | |
| 1045 | DISPOSAL - ASBO | | |
| | Manifest # | | |
| | *Bags* | | |
| | *Drums* | | |
| | *Dumpsters - _____ Cy* | | |
| 1999 | SCRAP | | |
| | Ticket # | | |

**DAILY SUMMARY**

Setup tools and equipment for cleaning of K085 tank. Started cleaning tank using chipping hammer to break up top crust and bagged all debris Started to vac all liquid in bottom of tank using drum vac truck

**MATERIALS**

| TYPE | DESCRIPTION | QTY | UNIT |
|---|---|---|---|
| POLY | 4 mil x 12 ( C - B - FR ) | | Rolls |
| POLY | 4 mil x 20 ( C - B - FR ) | | Rolls |
| POLY | 6 mil x 12 ( C - B - FR ) | | Rolls |
| POLY | 6 mil x 20 ( C - B - FR ) | 1 | Rolls |
| LAY FLAT | | | Lf |
| LUMBER | | | |
| LUMBER | | | |
| LUMBER | | | |
| TAPE | | | Rolls |
| SPRAY GLUE | | | Cans |
| DISPOSAL BAGS | | | Each |
| GLOVE BAGS | | | Each |
| GLOVE BAGS | | | Each |
| REWETTABLE | | | Lf |
| MASTIC REMOVER | | | Gallons |
| ENCAPSULANT | | | Gallons |
| BRIDGING | | | Gallons |
| Clear bags | | 1 | roll |

**SUPERVISOR:** [signature] **CUSTOMER:** [signature]

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - (EXTRA)

**DATE:** Saturday, December 03, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM | Daily Summary |
|---|---|---|---|---|---|---|---|---|
| 30211 | S | J Schneider | x | | 11 | | 01-1050 | Continued removal of transite panels on buildings 15 and 18 and loading all panels into onsite dumpster. |
| 30145 | F | R McCollum | x | | 5 | | 02-2055 | |
| 30504 | L | H Beam | x | | 10 | | 02-2055 | |
| 31215 | L | H Walsh | x | | 10 | | 02-2055 | |
| 30625 | L | M Rattai | x | | 4.5 | | 02-2055 | |
| 30226 | L | I Banda | x | | 4.5 | | 02-2055 | |
| 30205 | L | L Gomez | x | | 10 | | 02-2055 | |
| 30209 | L | O Ramirez | x | | 4.5 | | 02-2055 | |
| 30211 | L | E Abarca | x | | 10 | | 02-2055 | |
| 30213 | L | D Jordan | x | | 10 | | 02-2055 | |
| 30212 | L | J Ramos | x | | 4.5 | | 02-2055 | |

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | LULL | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |
| | | |
| | | |
| | | |

| WORK PERFORMED | | |
|---|---|---|
| ACTIVITY | QTY | UNIT |
| Acm Transite Removal | | sf |
| | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |
| | | |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - **30 yd can** | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:**

13763 JS

# TIME & MATERIAL EXTRA WORK - PRECISION ENVIRONMENTAL CO.

JOB NAME: Standard Chlorine  JOB NUMBER: 1105214 (PRIMARY) - _____ (EXTRA)

DATE: 12-3-11  SHIFT TIME: 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM | WORK PERFORMED | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ACTIVITY | QTY | UNIT |
| 20145 | F | R. McCollom | X | | 5.5 | | 02-2120 | Environmental | | sf |
| 322285 | L | M. Rattai | X | | 5.5 | | 02-2120 | Clean Up | | sf |
| 322206 | L | I. Banda | X | | 5.5 | | 02-2120 | K085 Tank | | lf |
| 322209 | L | O. Ramirez | X | | 5.5 | | 02-2120 | | | lf |
| 322212 | L | J. Ramos | X | | 5.5 | | 02-2120 | | | ea |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 / 1015 | TRUCK | | |
| 1010 / 1015 | TRUCK | | |
| 1010 / 1015 | BOBCAT | | |
| 1010 / 1015 | MINI-EXCAVATOR | | |
| 1010 / 1015 | ATTACHMENTS | | |
| 1010 / 1015 | FORKLIFT | | |
| 1010 / 1015 | MAN LIFT | | |
| 1010 / 1015 | COMPRESSOR | | |
| 1010 / 1015 | AFD | | 1 |
| 1010 / 1015 | POWER PANEL | | |
| 1010 / 1015 | DECON-SHOWER | | |
| 1010 / 1015 | HEPA VACS | | |
| 1010 / 1015 | SCAFFOLDING | | |
| 1010 / 1015 | POWER WASHER | | |
| 1010 / 1015 | GENERATOR | | |
| 1010 / 1015 | SAWZALL | | |
| 1010 / 1015 | GRINDERS | | |
| 1010 / 1015 | Pressure Washer | | 1 |
| 1010 / 1015 | 6' ladder | | 1 |
| 1010 / 1015 | | | |
| 1010 / 1015 | | | |
| 1010 / 1015 | | | |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP/DELIVERIES | |
| 1020 | FUEL | |
| | | |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD | |
| 1045 | DISPOSAL - ASBO | |
| | Manifest # | |
| | *Bags* | |
| | *Drums* | |
| | *Dumpsters* - _____ Cy | |
| 1999 | SCRAP | |
| | Ticket # | |

**DAILY SUMMARY**

Finished using Vac truck for liquid removal, cleaned remaining debris out of tank, pressure washed inside of tank and rinsed down, Sprayed inside of tank with deisel fuel and washed again with pressure washer and performed final rinse. Used vac truck to remove all water. Chemtron inspected tank and cleared for demo

**MATERIALS**

| TYPE | DESCRIPTION | QTY | UNIT |
|---|---|---|---|
| POLY | 4 mil x 12 ( C - B - FR ) | | Rolls |
| POLY | 4 mil x 20 ( C - B - FR ) | | Rolls |
| POLY | 6 mil x 12 ( C - B - FR ) | | Rolls |
| POLY | 6 mil x 20 ( C - B - FR ) | | Rolls |
| LAY FLAT | | | Lf |
| LUMBER | | | |
| LUMBER | | | |
| LUMBER | | | |
| TAPE | | | Rolls |
| SPRAY GLUE | | | Cans |
| DISPOSAL BAGS | | | Each |
| GLOVE BAGS | | | Each |
| GLOVE BAGS | | | Each |
| REWETTABLE | | | Lf |
| MASTIC REMOVER | | | Gallons |
| ENCAPSULANT | | | Gallons |
| BRIDGING | | | Gallons |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

SUPERVISOR: [signature]  CUSTOMER: [signature]

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Monday, December 05, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM | Daily Summary |
|---|---|---|---|---|---|---|---|---|
| 30811 | S | J Schneider | x | 10 | 1 | | 01-1050 | Continued removal of transite panels on buildings 15 and 18 and loading all panels into onsite dumpster.Finished removal of transite and windows on building 15 and started to final clean.Loaded semi trailer for transportation of acm gaylord boxes. |
| 30145 | F | R McCollum | x | 10 | 0.5 | | 02-2055 | |
| 31504 | L | H Beam | x | 10 | | | 02-2055 | |
| 31815 | L | H Walsh | x | 10 | | | 02-2055 | |
| 31925 | L | M Rattai | x | 10 | | | 02-2055 | |
| 32025 | L | I Banda | x | 10 | | | 02-2055 | |
| 32217 | L | L Gomez | x | 10 | | | 02-2055 | |
| 32309 | L | O Ramirez | x | 10 | | | 02-2055 | |
| 32411 | L | E Abarca | x | 10 | | | 02-2055 | |
| 32513 | L | D Jordan | x | 10 | | | 02-2055 | |
| 32612 | L | J Ramos | x | 10 | | | 02-2055 | |

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | LULL | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | 1 |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |
| | | |
| | | |
| | | |

| WORK PERFORMED | | |
|---|---|---|
| ACTIVITY | QTY | UNIT |
| Acm Transite Removal | | sf |
| Final Clean | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |
| | | |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:** _____

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - (EXTRA)

**DATE:** Tuesday, December 06, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM |
|---|---|---|---|---|---|---|---|
| 301211 | S | J Schneider | x | 10 | 1 | | 01-1050 |
| 301195 | F | R McCollum | x | 10 | 0.5 | | 02-2055 |
| 301214 | L | H Beam | x | 10 | | | 02-2055 |
| 31215 | L | H Walsh | x | 10 | | | 02-2055 |
| 308205 | L | M Rattai | x | 10 | | | 02-2055 |
| 322208 | L | I Banda | x | 10 | | | 02-2055 |
| 322207 | L | L Gomez | x | 10 | | | 02-2055 |
| 322209 | L | O Ramirez | x | 10 | | | 02-2055 |
| 322211 | L | E Abarca | x | 10 | | | 02-2055 |
| 322213 | L | D Jordan | x | 10 | | | 02-2055 |
| 322212 | L | J Ramos | x | 10 | | | 02-2055 |

**Daily Summary**

Continued removal of transite panels on building 18 and loading all panels into onsite dumpster,Finished final cleaning in building 15 and visual inspection performed and passed,Final air clearence was ran,results to follow.Started final cleaning building 18.

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | LULL | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |

**WORK PERFORMED**

| ACTIVITY | QTY | UNIT |
|---|---|---|
| Acm Transite Removal | | sf |
| Final Clean | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - **30 yd can** | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:**

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Wednesday, December 07, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM | Daily Summary |
|---|---|---|---|---|---|---|---|---|
| 30211 | S | J Schneider | x | 10 | 1 | | 01-1050 | Finished removal of transite panels on building 18 and finished final cleaning visual performed and passed final air ran and results to follow,removed poly from conex boxes and loaded remainder of K085 tank debris into steel drums. |
| 20195 | F | R McCollum | x | 10 | 0.5 | | 02-2055 | |
| 30204 | L | H Beam | x | 10 | | | 02-2055 | |
| 31215 | L | H Walsh | x | 10 | | | 02-2055 | |
| 30205 | L | M Rattai | x | 10 | | | 02-2055 | |
| 32208 | L | I Banda | x | 10 | | | 02-2055 | |
| 30207 | L | L Gomez | x | 10 | | | 02-2055 | |
| 32209 | L | O Ramirez | x | 10 | | | 02-2055 | |
| 30211 | L | E Abarca | x | 10 | | | 02-2055 | |
| 30213 | L | D Jordan | x | 10 | | | 02-2055 | |
| 30212 | L | J Ramos | x | 10 | | | 02-2055 | |

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | LULL | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |

| WORK PERFORMED | | |
|---|---|---|
| ACTIVITY | QTY | UNIT |
| Acm Transite Removal | | sf |
| Final Clean | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |
| | | |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:** _____

# CONTRACT WORK PRECISION ENVIRONMENTAL CO.

**JOB NAME:** Standard Chlorine **JOB NUMBER:** 11-05-214 (PRIMARY) - _____ (EXTRA)

**DATE:** Thursday, December 08, 2011 **SHIFT TIME:** 7:00 - 5:30

| EMP # | CL | EMPLOYEE | PPE | ST | OT | DT | ITEM | Daily Summary |
|---|---|---|---|---|---|---|---|---|
| 2221 | S | J Schneider | x | 10 | 1 | | 01-1050 | Loaded up all tools and supplies onto box truck,Demobilized off of work site. |
| 2215 | F | R McCollum | x | 10 | 0.5 | | 02-2095 | |
| [illegible] | L | H Beam | x | 10 | | | 02-2095 | |
| 3215 | L | H Walsh | x | 10 | | | 02-2095 | |
| 3225 | L | M Rattai | x | 10 | | | 02-2095 | |
| [illegible] | L | I Banda | x | 10 | | | 02-2095 | |
| [illegible] | L | L Gomez | x | 10 | | | 02-2095 | |
| [illegible] | L | O Ramirez | x | 10 | | | 02-2095 | |
| 3221 | L | E Abarca | x | 10 | | | 02-2095 | |
| 3221 | L | D Jordan | x | 10 | | | 02-2095 | |
| 3221 | L | J Ramos | x | 10 | | | 02-2095 | |

| Owned / Rental | EQUIPMENT | | QTY |
|---|---|---|---|
| 1010 | truck | 1400/1387/1383 | 3 |
| 1010 | saw z all | | 4 |
| 1010 | chipping hammer | | 1 |
| 1010 | cordless drill | | 2 |
| 1010 | GRINDER | | 2 |
| 1015 | MANLIFT | | 1 |
| 1015 | LULL | | 1 |
| 1010 | glovebag vac | | 4 |
| 1010 | circular saw | | 1 |
| 1010 / 1015 | conex | | |
| 1010 | Shower | | 2 |
| 1015 | generator | | |
| 1010 | generator | 8611 | 1 |
| 1010 | shop vac | | |
| 1010 | HEPA VACS | | 2 |
| 1010 | POWER PANEL | | 6 |
| 1010 | AFD | | 18 |

| ITEM | DELIVERY | QTY |
|---|---|---|
| 1001 | SHOP / DELIVERIES | |
| 1020 | FUEL | |

| WORK PERFORMED | | |
|---|---|---|
| ACTIVITY | QTY | UNIT |
| Load Out | | sf |
| | | sf |
| | | sf |
| | | lf |
| | | lf |
| | | lf |
| | | ea |
| | | ea |
| | | ea |
| | | |
| soil | | cubic yd |
| | | |

| ITEM | DESCRIPTION | QTY |
|---|---|---|
| 1040 | AIR MONITORING | |
| 1046 | DISPOSAL - CD - 30 yd can | |
| 1045 | DISPOSAL - ASBO - 30 yd can | |
| | | |
| | *bags* | |
| | *drums* | |
| | *dumpsters* | |
| 1999 | SCRAP | |
| | ticket # | |

**SUPERVISOR:** Jeff Schneider **CUSTOMER:** _____

PRECISION
Environmental Co.

# Safety Meeting Report

Date: 10-26-11 Job Name: Standard Chlorine Job Number: 1105214

Supervisor Conducting Meeting: Jeff Schneider

Summary of Items Discussed: Must Stay on gravel pad around work area all other ground is contaminated, Stay in our work area other contractors on site, Good HouseKeepin around work area

Accidents and Injuries Discussed:

Employee Comments and Suggestions:

| Employees in Attendance | | |
|---|---|---|
| 1. | 13. | 25. |
| 2. Richard K. McCallum | 14. | 26. |
| 3. | 15. | 27. |
| 4. LUIS GOMEZ | 16. | 28. |
| 5. Edgar Abarca | 17. | 29. |
| 6. Hugh [illegible] | 18. | 30. |
| 7. IVAN BANDA. | 19. | 31. |
| 8. Orlando Ramirez | 20. | 32. |
| 9. | 21. | 33. |
| 10. | 22. | 34. |
| 11. | 23. | 35. |
| 12. | 24. | 36. |

PRECISION
Environmental Co.

5500 Old Brecksville Road Independence, Ohio 44131
(216) 642-6040, fax (216) 642-6041

# Foreman Daily Report

Date: 10-25-11

Jobsite: Standard Chlorine Owner: Town of Kearny

Work procedures: Glovebag _____ Full containment _____ Other ✓

**Daily Checklist**

_____ Decon unit hot and cold water
_____ Signs posted
_____ EPA/ODOH notifications
_____ Manometer @ 0.02
_____ (2) 6mil all HVAC
_____ Smoke test GB/containment
_____ All AFDs running _____ QTY
_____ All electric GFI
_____ MSD sheets
_____ ODOH form of agreement
_____ ACM wetted and bagged
_____ No loose debris lunch and shift end

**Air Samples**

_____ Personal _____ QTY #'s _____
_____ Excursion _____ QTY #'s _____
_____ Environmental _____ QTY #'s _____
_____ Final _____ QTY #'s _____

Third-party: _____ Name: _____
No. of workers: 9 Hours on-site: 10
Disposal quantity: _____ Respirator: _____

Visitors: _____

**Work Performed**

Mobilized to job site, Met with Chem Tron and Key and went over job site safety specifics and also health and safety orientation, 4 local 78 Laborers sent to Concentra for physical. 3 passed physical and 1 failed due to high blood pressure, Chem Trons Semi trailer was off loaded with our equipment and all hazardous waste equipment from Chem Tron. United Rentals delivered 80' SLG and also Bobcat with forks, Sunbelt delivered Generator for site power Met with operators Buisness Agent and discussed using bobcat and generator/Operators job but no one licensed in New Jersey available for now.

1105214

# PRECISION ENVIRONMENTAL COMPANY

## SUPERVISOR SITE SAFETY INSPECTION AUDIT (ASBESTOS)

SUPERVISOR: J. Schneider INSPECTOR: _____ DATE: 10-26-11

JOB NAME: Standard Chlorine JOB NUMBER: 1105214

### RECORDKEEPING, SITE POSTINGS AND MEDICAL

| Y | N | N/A | | |
|---|---|---|---|---|
| ☑ | ☐ | ☐ | 1. | EPA and ODOH Permits. |
| ☑ | ☐ | ☐ | 2. | Asbestos Contractor License. |
| ☑ | ☐ | ☐ | 3. | Current employee training, medical and fit tests. |
| ☑ | ☐ | ☐ | 4. | Workers Compensation certificate. |
| ☑ | ☐ | ☐ | 5. | OSHA poster. |
| ☑ | ☐ | ☐ | 6. | Emergency numbers posted. |
| ☑ | ☐ | ☐ | 7. | Hazardous Communication book and sign-in sheet. |
| ☑ | ☐ | ☐ | 8. | Project and containment sign-in sheets completed. |
| ☑ | ☐ | ☐ | 9. | MSDS sheets on site. |
| ☑ | ☐ | ☐ | 10. | **Weekly safety meetings conducted and documented.** |
| ☑ | ☐ | ☐ | 11. | Time sheets and waste manifests properly completed. |
| ☐ | ☐ | ☑ | 12. | Waste properly contained and labeled. |
| ☑ | ☐ | ☐ | 13. | All required job site forms available. |

### MEDICAL AND FIRST AID

| Y | N | N/A | | |
|---|---|---|---|---|
| ☑ | ☐ | ☐ | 1. | Is route to nearest hospital known. |
| ☑ | ☐ | ☐ | 2. | Is first aid kit accessible and identified. |
| ☑ | ☐ | ☐ | 3. | Has first aid kit been inspected. |

### PERSONAL PROTECTIVE EQUIPMENT

| Y | N | N/A | | |
|---|---|---|---|---|
| ☑ | ☐ | ☐ | 1. | Hard hats and safety glasses available and worn. |
| ☑ | ☐ | ☐ | 2. | Respiratory protection. |
| ☑ | ☐ | ☐ | 3. | Hearing protection. |
| ☑ | ☐ | ☐ | 4. | Suits and gloves. |

### AIR MONITORING

| Y | N | N/A | | |
|---|---|---|---|---|
| ☐ | ☐ | ☑ | 1. | Are personal (OSHA) samples being taken. |
| ☑ | ☐ | ☐ | 2. | Third party lab on site. |
| ☐ | ☐ | ☑ | 3. | Are instruments and pumps calibrated and charged. |

### FIRE PREVENTION

| Y | N | N/A | | |
|---|---|---|---|---|
| ☑ | ☐ | ☐ | 1. | Fire extinguisher locations marked. |
| ☑ | ☐ | ☐ | 2. | Fire extinguishers inspected. |
| ☑ | ☐ | ☐ | 3. | Emergency escape routes marked. |
| ☐ | ☐ | ☑ | 4. | Fire blankets used during burning operations. |
| ☐ | ☐ | ☑ | 5. | Fire watch used during burning operations. |

### CONFINED SPACE PROGRAM

| Y | N | N/A | | |
|---|---|---|---|---|
| ☐ | ☐ | ☑ | 1. | Current employee training certificates. |
| ☐ | ☐ | ☑ | 2. | Space checked for hazardous atmosphere. |
| ☐ | ☐ | ☑ | 3. | Body harness and retrieval system in place. |
| ☐ | ☐ | ☑ | 4. | Attendent/rescue/communication in place. |
| ☐ | ☐ | ☑ | 5. | Ventilation. |
| ☐ | ☐ | ☑ | 6. | Lockout / tagout. |
| ☐ | ☐ | ☑ | 7. | Permit completed |

### HOUSE KEEPING AND SANITATION

| Y | N | N/A | | |
|---|---|---|---|---|
| ☑ | ☐ | ☐ | 1. | Work areas clean and free of trip hazards. |
| ☑ | ☐ | ☐ | 2. | Potable water available in break area. |
| ☑ | ☐ | ☐ | 3. | Toilet facilities available. |
| ☑ | ☐ | ☐ | 4. | Employees wash before breaks/ lunch. |

PRECISION
Environmental Co.

5500 Old Brecksville Road Independence, Ohio 44131
(216) 642-6040, fax (216) 642-6041

# Foreman Daily Report

Date: 10-26-11

Jobsite: Standard Chlorine Owner: Town of Kearny

Work procedures: Glovebag _____ Full containment _____ Other ✓

**Daily Checklist**

- ____ Decon unit hot and cold water
- ____ Signs posted
- ____ EPA/ODOH notifications
- ____ Manometer @ 0.02
- ____ (2) 6mil all HVAC
- ____ Smoke test GB/containment
- ____ All AFDs running ____ QTY
- ____ All electric GFI
- ____ MSD sheets
- ____ ODOH form of agreement
- ____ ACM wetted and bagged
- ____ No loose debris lunch and shift end

**Air Samples**

| | | | |
|---|---|---|---|
| ____ Personal | ____ | QTY | #'s ____ |
| ____ Excursion | ____ | QTY | #'s ____ |
| ____ Environmental | ____ | QTY | #'s ____ |
| ____ Final | ____ | QTY | #'s ____ |

Third-party: _____ Name: Enviromental Tactics Inc.

No. of workers: 8 Hours on-site: 10

Disposal quantity: _____ Respirator: _____

Visitors: Local 78 Boisness Agent

**Work Performed**

Started prep on building 18 covering exterior windows and all criticals with double layer of 6 mil poly. Off loaded precision box truck into Conner Box on site with Key Environmentals permission. Third party onsite and discussed regulatory issues and provided him with all Certifications and Notifications. He informed me about permit from city of Kearny that needed to be applied for before asbestos abatement can be performed, and also Key and city of Kearny informed us of permit for office trailer also needed to be applied for before it can be setup on site

PRECISION
Environmental Co.

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(216) 642-6040, fax (216) 642-6041

# Foreman Daily Report

Date: 10-27-11

Jobsite: Standard Chlorine  Owner: Town of Kearny

Work procedures: Glovebag ____ Full containment ____ Other ✓

**Daily Checklist**

- ✓ Decon unit hot and cold water
- ✓ Signs posted
- ✓ EPA/ODOH notifications
- ____ Manometer @ 0.02
- ____ (2) 6mil all HVAC
- ____ Smoke test GB/containment
- ✓ All AFDs running 2 QTY
- ✓ All electric GFI
- ____ MSD sheets
- ____ ODOH form of agreement
- ✓ ACM wetted and bagged
- ✓ No loose debris lunch and shift end

**Air Samples**

| | | | |
|---|---|---|---|
| ✓ Personal | 1 | QTY | #'s 214-001 |
| ✓ Excursion | 1 | QTY | #'s 214-002 |
| ____ Environmental | ____ | QTY | #'s |
| ____ Final | ____ | QTY | #'s |

Third-party: ____ Name: Enviromental Tactics Inc.
No. of workers: 8 Hours on-site: 10
Disposal quantity: ____ Respirator: Half Mask

Visitors:

**Work Performed**

Continued prep on all exterior criticals, setup decon shower in box truck, filled water cell with water and gave recorded usage to Chem Tron, Once remote decon was established and signs posted proceeded to interior of building 18 on the first floor and started enviromental clean up of all loose debris in area, built seperation wall and prepped wall with 2 layers of 6 mil poly to establish clean room for building 18 containment (pipe in area still needs to be glovebagged). Started loading AFD's and power panels into containment area and setting up ventilation and power cords

PRECISION
Environmental Co.

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(216) 642-6040, fax (216) 642-6041

# Foreman Daily Report

Date: 10-28-11

Jobsite: Standard Chlorine  Owner: Town of Keerny

Work procedures: Glovebag ____ Full containment ____ Other ✓

**Daily Checklist**

- ✓ Decon unit hot and cold water
- ✓ Signs posted
- ✓ EPA/ODOH notifications
- ____ Manometer @ 0.02
- ____ (2) 6mil all HVAC
- ____ Smoke test GB/containment
- ✓ All AFDs running 2 QTY
- ✓ All electric GFI
- ✓ MSD sheets
- ____ ODOH form of agreement
- ✓ ACM wetted and bagged
- ✓ No loose debris lunch and shift end

**Air Samples**

| | | | |
|---|---|---|---|
| ✓ Personal | 1 | QTY | #'s 214-004 |
| ✓ Excursion | 1 | QTY | #'s 214-003 |
| ____ Environmental | ____ | QTY | #'s |
| ____ Final | ____ | QTY | #'s |

Third-party: ____ Name: Enviromental Tactics

No. of workers: 8 Hours on-site: 10

Disposal quantity: ____ Respirator: Half Mask / PAPR

Visitors:

**Work Performed**

(Continued) prep work on exterior criticals covering with 2 layers of 6 mil poly, Over packed to Hazardous waste drums and removed from main containment area in building 18 (Dioxon Level C Protection PPE Worn), Stored drums in Storage area on site and covered with poly for weather protection, built 2 Stage load out using 2x4's and plywood on exterior of building, started prepping load out covering with 2 layers outside for weather protection and 2 layers inside for critical barriers.

PRECISION
Environmental Co.

5500 Old Brecksville Road Independence, Ohio 44131
(216) 642-6040, fax (216) 642-6041

# Foreman Daily Report

Date: 10-29-11

Jobsite: Standard Chlorine  Owner: Town of Kearny

Work procedures: Glovebag ____ Full containment ____ Other ✓

**Daily Checklist**

- ✓ Decon unit hot and cold water
- ✓ Signs posted
- ____ EPA/ODOH notifications
- ____ Manometer @ 0.02
- ✓ (2) 6mil all HVAC
- ____ Smoke test GB/containment
- ✓ All AFDs running 2 QTY
- ✓ All electric GFI
- ✓ MSD sheets
- ____ ODOH form of agreement
- ✓ ACM wetted and bagged
- ✓ No loose debris lunch and shift end

**Air Samples**

| | | | |
|---|---|---|---|
| ____ Personal | ____ | QTY | #'s ____ |
| ____ Excursion | ____ | QTY | #'s ____ |
| ____ Environmental | ____ | QTY | #'s ____ |
| ____ Final | ____ | QTY | #'s ____ |

Third-party: ____ Name: Environmental Tactics

No. of workers: 8 Hours on-site: 8

Disposal quantity: ____ Respirator: H/M

Visitors: ____

**Work Performed**

Finished prep work on 2 stage decon and on all outside criticals that could be reached out of manlift (remainder of criticals will be finished from inside building) continued enviromental clean up on 1st floor for clean room. 3rd party will do inspection of area when finished

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(216) 642-6040, fax (216) 642-6041

# Foreman Daily Report

Date: 10-31-11

Jobsite: Standard Chlorine Owner: Town of Kearny

Work procedures: Glovebag _____ Full containment _____ Other X

**Daily Checklist**

- ✓ Decon unit hot and cold water
- ✓ Signs posted
- ✓ EPA/ODOH notifications
- ___ Manometer @ 0.02
- ___ (2) 6mil all HVAC
- ___ Smoke test GB/containment
- ✓ All AFDs running 3 QTY
- ✓ All electric GFI
- ✓ MSD sheets
- ___ ODOH form of agreement
- ✓ ACM wetted and bagged
- ✓ No loose debris lunch and shift end

**Air Samples**

| | | | |
|---|---|---|---|
| ___ Personal | ___ | QTY | #'s |
| ___ Excursion | ___ | QTY | #'s |
| ___ Environmental | ___ | QTY | #'s |
| ___ Final | ___ | QTY | #'s |

Third-party: _____ Name: Enviromental Tactics

No. of workers: 9 Hours on-site: 10

Disposal quantity: _____ Respirator: H/m

Visitors:

**Work Performed**

Continued prep and enviromental clean up on 1st floor of building 18, built gaylord boxes and lined with bags, put boxes in loadout, moved boxes and liners into work area around building 18

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Environmental Co.

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(216) 642-6040, fax (216) 642-6041

# Foreman Daily Report

Date: 11-3-11

Jobsite: Standard Chlorine Owner: Town of Kearny

Work procedures: Glovebag _____ Full containment X Other _____

**Daily Checklist**

- X Decon unit hot and cold water
- X Signs posted
- X EPA/ODOH notifications
- X Manometer @ 0.02
- X (2) 6mil all HVAC
- ____ Smoke test GB/containment
- X All AFDs running 4 QTY
- X All electric GFI
- X MSD sheets
- ____ ODOH form of agreement
- X ACM wetted and bagged
- X No loose debris lunch and shift end

**Air Samples**

| | | | |
|---|---|---|---|
| X Personal | 2 | QTY | #'s 214-010 214-012 |
| X Excursion | 2 | QTY | #'s 214-009 214-011 |
| ____ Environmental | ____ | QTY | #'s |
| ____ Final | ____ | QTY | #'s |

Third-party: _____ Name: Enviromental Tactics

No. of workers: 9 Hours on-site: 10

Disposal quantity: _____ Respirator: Half Mask

Visitors:

**Work Performed**

Continued removal of transite panels on building 21 using wet methods, continued acm removal on 1st floor of building 18, Loaded out all acm bags to gaylord boxes and put into on site cover box for storage. Finished Acm glovebagging and Final cleaning in building 18 Third party performed visual and area was locked down with encap. Final air was ran and results to follow by 11-8-11

PRECISION
Environmental Co.

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(216) 642-6040, fax (216) 642-6041

# Foreman Daily Report

Date: 11-2-11

Jobsite: Standard Chlorine  Owner: Town of Kearny

Work procedures: Glovebag _____ Full containment _____ Other X

**Daily Checklist**

- X Decon unit hot and cold water
- X Signs posted
- X EPA/ODOH notifications
- X Manometer @ 0.02
- X (2) 6mil all HVAC
- ____ Smoke test GB/containment
- X All AFDs running 4 QTY
- X All electric GFI
- X MSD sheets
- ____ ODOH form of agreement
- X ACM wetted and bagged
- X No loose debris lunch and shift end

**Air Samples**

| | | | |
|---|---|---|---|
| X Personal | 2 | QTY | #'s 214-006 214-008 |
| X Excursion | 2 | QTY | #'s 214-005 214-006 |
| ____ Environmental | ____ | QTY | #'s |
| ____ Final | ____ | QTY | #'s |

Third-party: _____ Name: Enviromental Tactics

No. of workers: 9  Hours on-site: 10

Disposal quantity: _____ Respirator: Half Mask

Visitors:

**Work Performed**

Continued prep on 1st floor building 18 to achieve -.02, finished prep work on conex box. Started removal of ACM pipe in building 18 using glovebag methods, Started removal of ACM transite on building 21 using wet methods. All transite wrapped in double layers of 6 mil poly due to low levels of dioxon

PRECISION
Environmental Co.

5500 Old Brecksville Road Independence, Ohio 44131
(216) 642-6040, fax (216) 642-6041

# Foreman Daily Report

Date: 11-1-11

Jobsite: Standard Chlorine Owner: Town of Kearny

Work procedures: Glovebag _____ Full containment _____ Other X

**Daily Checklist**

- X Decon unit hot and cold water
- X Signs posted
- X EPA/ODOH notifications
- X Manometer @ 0.02
- ____ (2) 6mil all HVAC
- ____ Smoke test GB/containment
- X All AFDs running 3 QTY
- X All electric GFI
- X MSD sheets
- ____ ODOH form of agreement
- X ACM wetted and bagged
- X No loose debris lunch and shift end

**Air Samples**

| | | | |
|---|---|---|---|
| ____ Personal | ____ | QTY | #'s ____ |
| ____ Excursion | ____ | QTY | #'s ____ |
| ____ Environmental | ____ | QTY | #'s ____ |
| ____ Final | ____ | QTY | #'s ____ |

Third-party: _____ Name: Enviromental Tactics

No. of workers: 9 Hours on-site: 10

Disposal quantity: _____ Respirator: H/M

Visitors: _____

**Work Performed**

Finished critical prep and enviromental clean up on 1st floor of building 18, loaded out all ACM bags that were generated to gaylord boxes, connected office trailer to generator and put supplies and tools inside trailer for weather protection, Started prep on conex box for storage area for gaylord boxes using 2 layers of 6 mil poly on floor and walls

PRECISION
Environmental Co.

# Safety Meeting Report

Date: 11-1-11 Job Name: Standard Chlorine Job Number: 1105214

Supervisor Conducting Meeting: Jeff Schneider

Summary of Items Discussed: Chromium MSDS, proper packaging of ACM debris in gaylord boxes (no head space in box)

Accidents and Injuries Discussed:

Employee Comments and Suggestions:

| Employees in Attendance | | |
|---|---|---|
| 1. | 13. | 25. |
| 2. | 14. | 26. |
| 3. | 15. | 27. |
| 4. LUIS GOMEZ | 16. | 28. |
| 5. Edgar Abarca | 17. | 29. |
| 6. | 18. | 30. |
| 7. Orlando Ramirez | 19. | 31. |
| 8. IVAN BANDA. | 20. | 32. |
| 9. | 21. | 33. |
| 10. | 22. | 34. |
| 11. | 23. | 35. |
| 12. | 24. | 36. |

PRECISION

**TAILGATE/TOOLBOX SAFETY TRAINING**
**Safety Services Company-Safety Meeting Division,**
PO Box 6408 Yuma, AZ 85366-6408 Toll Free (866) 204-4786

SAFETY SERVICES COMPANY

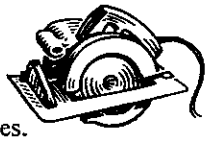
Job Name: Standard Chlorine Job Site Location: Kearny New Jersey

Date: 10-26-11 Start Time: 1:15 Finish Time: 1:30 Foreman/Supervisor: Jeff Schneider

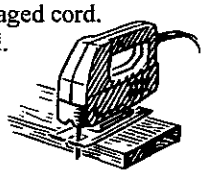
# *Topic 109: Safety Rules for Power Tools*

**Introduction:** Power tools can cause serious injuries. Following are safety guidelines for all workers that use power tools on the job:

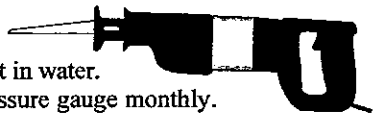
- ***Always*** read, understand, and follow the manual that comes with a power tool.
- ***Use*** the right tool for the job. Do not force a tool to work beyond its ability to perform. Inspect the tool for cracks or damage.
- ***All guards*** must be in place and operational. Do not remove or alter the guard that is on the tool. Never remove any safety devices.
- ***Remember,*** no matter how long you have been using a power tool, overconfidence can lead to injuries. Do not rush or take short cuts.



- ***Make sure*** all bits, blades, and cutters are properly tightened before operations begin. All fittings and adjustments must be locked in place. Work only with double-insulated or properly grounded tools.
- ***Before*** plugging in a tool, make sure the power switch is in the off position. Remove adjusting keys and wrenches.
- ***Make sure*** all cords and outlets are grounded. The outlet must have a ground fault circuit interrupter (GFCI). When there is a power leakage, a GFCI will stop the power immediately. This stops any potential for a fatal electrical shock.
- ***Extension cords*** should be rated to handle more current than required by the tool. Keep the cord away from cutting edges. Never use the cord to carry tools. Always pull the cord out of the plug by the plug, not the cord. Replace any frayed or damaged cord.
- ***Make sure*** the electrical circuit is the one rated for the tool. Test-run the tool before applying it to the job at hand.



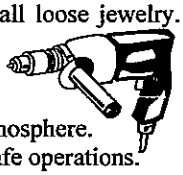
- ***Never*** leave a power tool running while unattended. Keep tools unplugged when not in use.
- ***Remember,*** know where your hands are at all times. Keep them away from moving parts, blades, and cutters.
- ***Always*** use clamps when possible. This will allow your hands to control the tool.
- ***Keep*** all cutting tools sharp. Control is the greatest when the tool is working at its best. Less effort is exerted.
- ***Do not*** over reach. You may lose your balance and control of the tool. Never draw a sharp edged tool toward you unless it is absolutely necessary. Do not reach over a blade. Keep the work area free of trip hazards. Remove obstacles in the immediate area.
- ***Always*** unplug the tool before making adjustments, or changing parts or blades. Let the tool cool down before working on it.
- ***Turn off*** the tool immediately when there are any unusual noises or vibrations.



- ***Make sure*** the work area is well lighted. Poor lighting and shadows can cause fatigue.
- ***Never*** stand on a wet surface while operating a power tool. Do not allow an extension cord to sit in water.
- ***Keep*** a multipurpose fire extinguisher (rated A-B-C) in your vehicle or nearby. Check the pressure gauge monthly. Recharge or replace when needed. Read the material safety data sheets (MSDS) where chemicals are present.

**Personal protective equipment:** Always make sure that the working area is properly ventilated.

- ***Safety glasses*** are for eye protection. Safety goggles are enclosed on the sides giving you better eye protection. Safety goggles can be worn over prescription glasses. A face shield provides full protection.
- ***Hearing*** can be damaged by long term exposure to loud noise. Wear ear plugs (moderate) or ear muffs for loud noise levels.
- ***Wear*** a NIOSH approved dust mask, or respirator with exchangeable cartridges, when exposed to dusts, toxic fumes, and vapors. Changeable color coded cartridges enable you to filter out specific dusts and fumes.
- ***Wear*** safety shoes or boots with non-slip soles. Some jobs require toe protection. Wear the proper gloves when necessary.
- ***Do not*** wear loose fitting clothing. Roll long sleeves up. Keep long hair tied back and under a hat. Remove all loose jewelry. Moving parts can pull in clothes, hair, and loose objects, causing severe injuries to the operator.



- ***Keep*** a first-aid kit in your vehicle. Make sure it contains all the proper supplies, an eye wash solution, and an up-to-date listing of emergency medical phone numbers.
- ***Use*** a shop vac to eliminate dust hazards that build up over time. Dusts can create the potential for an explosive atmosphere.

**Conclusion:** Communicate with co-workers before starting loud power tools. Utilize these safety guidelines to ensure safe operations.

## *Work Site Review*

Work-Site Hazards and Safety Suggestions: _____

Personnel Safety Violations: _____

Material Safety Data Sheets Reviewed: _____ (Name of Chemical)

***Employee Signatures:*** *(My signature attests and verifies my understanding of and agreement to comply with, all company safety policies and regulations, and that I have not suffered, experienced, or sustained any recent job-related injury or illness.)*

PLEASE PRINT NEATLY
Matt Rattai
Rich McCollum
Harry Beam
Orlando Ramirez
Hugh J. Walsh
Edgar Abarca
LUIS GOMEZ
Orlando Ramirez
IVAN BANDA.

*These guidelines do not supercede local, state, or federal regulations and must not be construed as a substitute for, or legal interpretation of, any OSHA regulations.*

**PRECISION**
*Environmental Co.*

# Respiratory Protection Tool Box Talk

Date: 11-1-11

Job Name: Standard Chlorine Instructor: Jeff Schneider

**Introduction:** The OSHA standard for Respiratory Protection is found in 29 CFR 1910.134. Respiratory hazards may occur through exposure to harmful dusts, fogs, fumes, mists, gases, smoke, sprays, and vapors. The best means of protecting personnel is through engineering controls (ventilation) that eliminate of reduce exposure to hazardous materials. If these are not effective then respiratory protection must be used to reduce personnel exposure.

**Respiratory Hazards:** Respiratory hazards are generally divided into two categories: *Oxygen deficiency* and *Toxic contaminants*. Failing to consider oxygen deficiency could result in a fatality on any project. Toxic contaminants are generally divided into three categories: *Particulates; Gases; Vapors.* Asbestos fibers are an example of a particulate, carbon monoxide is an example of the gaseous category, and an epoxy encapsulate is an example of a harmful organic vapor. It is possible to have all of these hazardous substances, as well as others, in a work area at the same time.

**Categories of Respirators:** There are four broad categories of respirators. These are: (1) Air-Purifying Respirators; (2) Supplied-Air Respirators; (3) Self Contained Breathing Apparatus (SCBA); and (4) Combination Respirators. Within these categories there are many different types of respirators (i.e. PAPR, pressure demand supplied-air respirators, etc.)

**Air-Purifying Respirators:** These respirators remove the hazardous contaminant from the breathing air before it is inhaled. Precision primarily uses North 5500 APR's. There are two types of APR's: Negative pressure respirators and Powered air-purifying respirators (PAPR). Negative pressure respirators depend upon the breathing action of the wearer to draw air through the filter or cartridge using the power of their lungs. PAPR's require a battery park and blower that forces the air through the cartridge then supplied to the wearers breathing zone.

**Selecting the Respirator:** The selection of an appropriate respirator generally involves three steps:

1. Identify the hazards;
2. Evaluating the hazards;
3. Providing proper respiratory protective equipment to suit the conditions and the individual.

| Rating | Efficiency |
|---|---|
| 95 | 95% of particles |
| 99 | 99% of particles |
| 100 | 99.97% of particles at 0.3 micrometers |

espirators and respirator assembly must be the same manufacturer and NIOSH approved. NIOSH rates negative pressure air-purifying respirator cartridges based on three efficiency levels. Additionally NIOSH rates air purifying particulate respirator cartridges in accordance with resistance to oil mists and solvents.

| Rating | Oil Mists/Solvents Resistance |
|---|---|
| N | Not Resistant |
| R | Resistant, up to 1 Shift |
| P | Oil Proof, resistant for more than one shift |

**Fit Testing:** Fit testing assures that the respirator fits properly on the face. Poorly fitting respirators can result in overexposure to respiratory hazards and lead to potential adverse health effects. Precision shall annually perform a fit test on every employee required to wear a respiratory. **All respirator wearers should inspect the respirator and check the face seal each time it is put on.** This is achieved through a "user seal check" (see attached document). A user seal check consists of two parts:

**Negative Pressure Check:**
1. Lightly place palms over cartridges or filter holders
2. Gently inhale
3. Respiratory should collapse against the face
4. No air should get in

**Positive Pressure Check:**
1. Lightly place palm over exhalation valve cover
2. Gently exhale
3. Slight positive pressure should build up inside respirator
4. No air should escape from the seal.

**Cleaning and Disinfection of Respirators:** After each use, the respirator shall be cleaned and disinfected as follows:
1. Wash the mask body in warm water using a detergent/disinfectant combination.
2. Rinse in clean water.
3. Air dry the respirator on a rack or hang in a position that does not distort the shape of the face piece.
4. Disinfectant wipes are also available for routine cleaning.
5. Place cleaned respirator back into its bag.

**Maintenance:** All repairs should be done by qualified individuals. All equipment should be properly stored to prevent damage, abnormal wear, or weathering. Store in a dry cool place.

**Inspection Process:** Check the headband for elasticity, breaks, tears, etc. All clips, fasteners, and adjusters should be in place and functioning. Check the face piece for dirt, cracks, tears, or holes. Inspect the shape of the respiratory for distortion. Make sure rubber is flexible and not stiff. Check the valve assembly. The inhalation and exhalation valves should be in place and free from cracks, tears, distortion, and dirt or build up of material. Inspect the idge holders: make sure gaskets are in place, check for cracks and damage to threads. Make sure cartridges are clean and changed daily or at the I (End of Service Life Indicator)

other side →

***Employee Signatures:*** **(My signature attests and verifies my understanding of and agreement to comply with all company safety policies and regulations)**

| | | |
|---|---|---|
| [signature] | [signature] | Hugh J Walls |
| [signature] | LUIS GOMEZ | IVAN BANDA. |
| | | Edgar Abarca |

1105211

PRECISION
Environmental Co.

# Safety Meeting Report

Date: 11-15-11 Job Name: Standard Chlorine Job Number: 1105214

Supervisor Conducting Meeting: Jeff Schneider

Summary of Items Discussed: Floor pit missing step, make sure lights are setup in work area, and keep cords dry while pressure washing

Accidents and Injuries Discussed:

Employee Comments and Suggestions:

| Employees in Attendance | | |
|---|---|---|
| 1. Hugh J Walsh | 13. | 25. |
| 2. Harry Beam | 14. | 26. |
| 3. Orlando Ramirez | 15. | 27. |
| 4. Juan Banda | 16. | 28. |
| 5. Danilo Jordan | 17. | 29. |
| 6. Edgar Abarca | 18. | 30. |
| 7. Juan V Ramos | 19. | 31. |
| 8. LUIS F. GOMEZ | 20. | 32. |
| 9. Matt Rutter | 21. | 33. |
| 10. | 22. | 34. |
| 11. | 23. | 35. |
| 12. | 24. | 36. |

PRECISION
Environmental Co.

# Safety Meeting Report

Date: 11-10-11 Job Name: Standard Chlorine Job Number: 1105214

Supervisor Conducting Meeting: Jeff Schneider

Summary of Items Discussed: Safety glasses and hard hats at all times / NO SMOKING inside fenced in regulated area

Accidents and Injuries Discussed:

Employee Comments and Suggestions:

| PRINT | Employees in Attendance | |
|---|---|---|
| 1. Hugh J Walsh | 13. | 25. |
| 2. Harry Beam | 14. | 26. |
| 3. Rich McCallum | 15. | 27. |
| 4. Orlando Ramirez | 16. | 28. |
| 5. LUIS F. GOMEZ | 17. | 29. |
| 6. Juan V. Ramos | 18. | 30. |
| 7. EDEAN ABAREA | 19. | 31. |
| 8. DANILO JORDAN | 20. | 32. |
| 9. IVAN BANDA | 21. | 33. |
| 10. Matt Rattan | 22. | 34. |
| 11. | 23. | 35. |
| 12. | 24. | 36. |

# Amianthus

**Amianthus LLC**
Environmental Consulting
583 Grayton Road
Berea, Ohio 44017
216-346-7694 fax 440-891-0022

ANNED October 7, 2011

Mr. John Savage
Precision Environmental Co.
5500 Old Brecksville Rd.
Independence, Ohio 44131

RE: PCM Air Sample Analysis

Mr. Savage

## AIR SAMPLE ANALYSIS SUMMARY

Amianthus LLC was contracted by Precision Environmental Company (Precision) to perform Phase Contrast Microscopy (PCM) air sample analysis per NIOSH Method 7400A. Twelve (12) samples were provided by Precision. The results for these samples are listed on the attached Certificate of Analysis.

All personal and excursion limit samples were determined to have concentrations within limits established by the Occupational Safety and Health Administration (OSHA) for the grade of respiratory protection used and were below OSHA's Permissible Exposure Levels (PEL) for both the eight-hour Time Weighted Average (TWA8) of 0.1 fibers per cubic centimeter and the 30-minute excursion sample of 1.0 f/cc each sample. All sampling information was provided by AAARC.

NIOSH Method 7400, not specific for asbestos. Working range of Method 7400 is 100 to 1300 f/mm2. Limit of Quantification (LOQ) = 10 fibers per 100 fields. Samples with less than 10 fibers per 100 fields will be reported as less than (<) the LOQ. f/mm$^2$= fibers per millimeter square f/cc= fibers per cubic centimeter

**Analysis Performed By:** Daniel C. Peders
**Date:** November 7, 2011

**Approved By:** _____
Daniel C. Peders
Laboratory Director

# Amianthus

**Amianthus LLC**
Environmental Consulting
583 Grayton Road
Berea, Ohio 44017
216-346-7694 fax 440-891-0022

## CERTIFICATE OF ANALYSIS

**Client:** Precision Environmental Co.
5500 Old Brecksville Rd.
Independence, Ohio 44131

Report Date: 11/07/2011
Project: 11-04-138

**Project:** Standard Chlorine – Job No. 1105214
**Sampled By:** Precision, Jeff Schneider

## AIR SAMPLE ANALYSIS SUMMARY

| Date | Field Sample I.D. | Location/Activity | Sample Duration (minutes) | Flow Rate (liters) | Sample Volume (liters per minute) | Results* (fibers per cubic centimeter) |
|---|---|---|---|---|---|---|
| 10/27/2011 | 214-01 | Bldg. 18, 1st floor - Environmental Clean-up | 30 | 2.0 | 60 | <0.082 |
| | 214-02 | | 480 | 2.0 | 960 | 0.012 |
| 10/28/2011 | 214-03 | | 30 | 2.0 | 60 | <0.082 |
| | 214-04 | | 510 | 8.0 | 1020 | 0.009 |
| 11/02/2011 | 214-05 | Bldg. 18, 1st floor - ACM glovebag TSI pipe | 30 | 2.0 | 60 | <0.082 |
| | 214-06 | | 150 | 8.0 | 300 | <0.016 |
| | 214-07 | Bldg. 21 - Transite Removal | 30 | 2.0 | 60 | <0.082 |
| | 214-08 | | 150 | 8.0 | 300 | 0.023 |
| 11/03/11 | 214-09 | Bldg. 18, 1st floor - ACM glovebag TSI pipe | 30 | 2.0 | 60 | <0.082 |
| | 214-10 | | 255 | 2.0 | 510 | <0.01 |
| | 214-11 | Bldg. 21 - Transite Removal | 30 | 2.0 | 60 | <0.082 |
| | 214-12 | | 510 | 2.0 | 1020 | 0.006 |

NIOSH Method 7400, not specific for asbestos. Working range of Method 7400 is 100 to 1300 f/mm2. Limit of Quantification (LOQ) = 10 fibers per 100 fields. Samples with less than 10 fibers per 100 fields will be reported as less than (<) the LOQ. f/mm$^2$= fibers per millimeter square f/cc= fibers per cubic centimeter

**Analysis Performed By:** Daniel C. Peders
**Date:** November 7, 2011

**Approved By:** _____
Daniel C. Peders
Laboratory Director

# EA GROUP

Environmental Analysis
and Management

Precision Environmental Co.
5500 Old Brecksville Road
Independence, OH 44131-1525
John Savage

FILE COPY

Client Project: Standard Chlorine 1105214
EA Group Project Number: 111100184
Received on November 11, 2011

The following analytical report contains results as requested for samples submitted to EA Group. The results included in this report have been reviewed for compliance with the analytical methods indicated in this report. All data has been found to be compliant with accepted laboratory protocol, except as noted in the QC narrative. Industrial hygiene reports, air and/or surface concentrations results are based upon sampling information provided by the client. Industrial hygiene results will not be blank corrected. Analyst initials of REF indicate analysis performed at a subcontract facility.

If you have questions, comments or require further assistance regarding this report, please contact your client services representative or one of the individuals listed below.

Data or reporting:
Jeff Herbert - Lab Manager
jherbert@eagroupohio.com

Debbie Lauer - Lab Supervisor
dlauer@eagroupohio.com

Sample tracking, supplies:
Lisa Foose - Sample Control
sreceiving@eagroupohio.com

Mike Herbert - Supervisor
mherbert@eagroupohio.com

Invoice Related:
Bonnie Renbarger - Office Manager
brenbarger@eagroupohio.com

Reproduction of this report is prohibited except in its entirety. Unless noted, soil, sludge and sediment results are reported on dry weight basis. The "Sample Reporting Limit" is based on the method used for analysis and does not refer to any regulatory limit. These results relate only to the items tested.



7118 Industrial Park Blvd., Mentor, Ohio 44060-5314
(440) 951-3514 (800) 875-3514 FAX (440) 951-3774 www.eagroupohio.com

EA GROUP

Environmental Analysis
and Management

# Laboratory Analytical Report

## Precision Environmental Co.

5500 Old Brecksville Road

Independence, OH 44131-1525

Attention:
John Savage

**Client Project:**

Standard Chlorine 1105214

**EA Group Workorder:**
1111-00184

Jeffrey A. Herbert
Laboratory Manager

November 17, 2011

7118 Industrial Park Blvd., Mentor, Ohio 44060-5314
(440) 951-3514 (800) 875-3514 FAX (440) 951-3774 www.eagroupohio.com

EA GROUP

Environmental Analysis
and Management

Sample Receive Date 11/11/2011

Sample Listing

| EAG Sample Identification | Client Sample Identification | EAG Sample Identification | Client Sample Identification |
|---|---|---|---|
| 111100184 - 001 | LE-01 | 111100184 - 002 | LE-02 |

EA GROUP

Environmental Analysis
and Management

# Project Narrative
# 1111-00184

All analyses performed by EA Group were done using established laboratory SOPs. Management has reviewed the data for compliance with the laboratory QA/QC plan and data have been found to be compliant with the laboratory protocols unless otherwise noted below. All results listed for this report relate only to the samples submitted on this work order.

The temperature of the sample(s) upon receipt was 25°C.

## Misc. QC Comments

Percent Moisture is used to report results on a dry weight basis.

When necessary, reporting limits of individual samples may be raised due to high concentration of interfering compounds or target analytes, or quantity of sample available for analysis.

pH method note: If this analysis was performed in the laboratory, it may not meet the "immediate analysis" requirement that applies to most wastewater monitoring samples. In such cases, analysis for pH should be done at the time of sampling.

The results listed in this report relate only to the samples submitted to EA Group per the chain of custody.

## Data Flag Table

| | |
|---|---|
| B | The method blank contained a standard laboratory contaminant (Methylene Chloride, Acetone, Hexane, Phthalates, etc.) above the standard laboratory method detection limit. If the analyte is present in the sample at a concentration up to ten times the blank level, the result is reported with a "B" indicating method blank contamination. Samples will be reported without a "B" if the analyte concentration in the sample is greater than ten times the blank level. |
| E | An analytical result marked with an "E" indicates the result reported is above the high end limit of the calibration curve and should be considered an estimated concentration. |
| DIL | Due to matrix interference or high analyte concentration, a dilution was required. The spikes and/or surrogates results could not be quantitated and therefore marked "DIL". |
| J | An analytical result marked with a "J" indicates the result reported was below the standard reporting limit and above the method detection limit. As the observed level approaches the MDL there is an increasing probability of a false positive response. |
| MI | Analytical results marked as "MI" indicate that due to inherent matrix interference, the result could not be quantitated. |
| # | Results flagged "#" indicate the reported result may be outside allowable permit levels as provided by the client, when applicable. |
| NA | A result or field marked as "NA" indicates that it was not applicable for this project. |
| Q | A quality control result flagged with a "Q" indicates the percent recovery was outside the acceptable range as determined by the laboratory. |

** Positive results for this analyte represent a probable combination of 3-Methylphenol (m-Cresol) and 4-Methylphenol (p-Cresol).

EA GROUP
Environmental Analysis and Management

**EAG Workorder:** 1111-00184
**Client Project:** Standard Chlorine 1105214

**Client ID:** LE-01 **Date/Time Sampled:** 11/02/2011 **Received:** 11/11/2011
**EAG ID:** 1111-00184-1

| Parameter | CAS # | Result | Reporting Limit | Units | Prep Date | Analysis Date | Time | Analyst |
|---|---|---|---|---|---|---|---|---|
| Lead, Air: NIOSH 7300-Mod | 7439-92-1 | <0.0035 | 0.0035 | mg/m3 | 11/15/2011 | 11/16/2011 | | MEF |

**Client ID:** LE-02 **Date/Time Sampled:** 11/03/2011 **Received:** 11/11/2011
**EAG ID:** 1111-00184-2

| Parameter | CAS # | Result | Reporting Limit | Units | Prep Date | Analysis Date | Time | Analyst |
|---|---|---|---|---|---|---|---|---|
| Lead, Air: NIOSH 7300-Mod | 7439-92-1 | <0.0035 | 0.0035 | mg/m3 | 11/15/2011 | 11/16/2011 | | MEF |

184

**PRECISION ENVIRONMENTAL CO**

5500 Old Brecksville Road Independence, Ohio 44131

**AIR SAMPLE FORM**

216-642-6060 FAX: 216-642-6041

Project Name: Standard Chlorine

Project # : 1105214

Analysis Requested
- ☐ PCM- Asbestos
- ☐ TEM – Asbestos
- ☒ Lead-In Air

Turn Around Time
- ☐ Rush – Same Day
- ☐ Priority – 24 hour
- ☐ Regular – 48 hours

• Rush & Priority Apply to PCM Asbestos Only

## ANALYTICAL DATA

| SAMPLE ID | LAB ID | PUMP ID | DATE | START TIME | STOP TIME | FLOW RATE | DURATION (MINUTES) | VOLUME (LITERS) | RESULTS (FIBER/CC) |
|---|---|---|---|---|---|---|---|---|---|
| LE-01 | | PE 03 | 11-2-11 | 2:00 | 5:00 | 2.0 | 180 | 360 | |
| LE-02 | | PE 03 | 11-3-11 | 8:00 | 5:00 | 2.0 | 180 | 360 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Sample Types: PRS= Personal, EXC=Excursion, PRM=Perimeter, BGD=Background, ENV=Environmental, FC=Final Clearance

## DESCRIPTIVE INFORMATION

| SAMPLE ID | SAMPLE TYPE | WORKER NAME | S. S. # | LOCATION | ACTIVITY | RESPIRATOR TYPE |
|---|---|---|---|---|---|---|
| LE 01 | | Hugh Walsh | | building 21 | Lead bolt | H/m |
| LE 02 | | Luis Gomez | | building 21 | removal | H/m |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Relinquished By: [signature] Date:

Received at Lab By: [signature] Date: 11-11-11

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

| | | | |
|---|---|---|---|
| n: | Precision Environmental Co.<br>5500 Old Brecksville Road<br>Independence, Ohio 44131 | Received:<br>Analysis Date:<br>Report Date:<br>T.A.T.: | November 12, 2011<br>November 13, 2011<br>November 13, 2011<br>24 Hour |
| Project: | 2011-136<br>Standard Chlorine Chemical Company, Inc. Site<br>Building 15, 17, 18 and 21<br>Kearny, New Jersey<br>PEC #: 1105214<br>OSHA Monitoring, 11/08/11 | | |

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-013 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 21<br>ACM Transite Removal | 60 | <0.033 |
| 214-014 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 21<br>ACM Transite Removal | 900 | 0.003 |

T. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

tn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: November 12, 2011
Analysis Date: November 13, 2011
Report Date: November 13, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/09/11

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-015 | S.S.#: XXX-XX-XXX<br>Name: H. Walsh<br>Task: Building 18<br>ACM TSI Removal | 60 | <0.033 |
| 214-016 | S.S.#: XXX-XX-XXX<br>Name: H. Walsh<br>Task: Building 18<br>ACM TSI Removal | 1020 | 0.009 |

T. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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n: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: November 12, 2011
Analysis Date: November 13, 2011
Report Date: November 13, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/10/11

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-017 | S.S.#: XXX-XX-XXX<br>Name: R. McCollum<br>Task: Building 18<br>ACM TSI Removal | 60 | <0.033 |
| 214-018 | S.S.#: XXX-XX-XXX<br>Name: R. McCollum<br>Task: Building 18<br>ACM TSI Removal | 1080 | 0.010 |
| 214-019 | S.S.#: XXX-XX-XXX<br>Name: L. Gomez<br>Task: Building 17<br>ACM Glazing | 60 | <0.033 |
| 214-020 | S.S.#: XXX-XX-XXX<br>Name: L. Gomez<br>Task: Building 17<br>ACM Caulk Removal | 660 | <0.003 |

T. Geiger
Director

Thomas P. Geiger
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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

tn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: November 12, 2011
Analysis Date: November 13, 2011
Report Date: November 13, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/11/11

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT,F/CC |
|---|---|---|---|
| 214-021 | S.S.#: XXX-XX-XXX<br>Name: J. Ramos<br>Task: Building 18<br>ACM TSI Removal | 60 | 0.078 |
| 214-022 | S.S.#: XXX-XX-XXX<br>Name: J. Ramos<br>Task: Building 18<br>ACM TSI Removal | 1020 | 0.013 |
| 214-023 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 17<br>ACM Glazing | 60 | <0.033 |
| 214-024 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 17<br>ACM Caulk | 900 | <0.002 |

T. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

tn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: November 12, 2011
Analysis Date: November 13, 2011
Report Date: November 13, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/12/11

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-025 | S.S.#: XXX-XX-XXX<br>Name: O. Ramirez<br>Task: Building 18<br>ACM TSI Removal | 60 | 0.098 |
| 214-026 | S.S.#: XXX-XX-XXX<br>Name: O. Ramirez<br>Task: Building 18<br>ACM TSI Removal | 1020 | 0.012 |
| 214-027 | S.S.#: XXX-XX-XXX<br>Name: L. Gomez<br>Task: Building 17<br>ACM Glazing | 60 | <0.033 |
| 214-028 | S.S.#: XXX-XX-XXX<br>Name: L. Gomez<br>Task: Building 17<br>ACM Caulk | 1020 | 0.003 |

T. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
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**Toll Free: 1-888-ENV-TACT**

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

tn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: November 18, 2011
Analysis Date: November 19, 2011
Report Date: November 19, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/14/11

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT,F/CC |
|---|---|---|---|
| 214-029 | S.S.#: XXX-XX-XXX<br>Name: D. Jordan<br>Task: Building 18<br>Final Clean | 60 | <0.033 |
| 214-030 | S.S.#: XXX-XX-XXX<br>Name: D. Jordan<br>Task: Building 18<br>Final Clean | 1020 | <0.002 |
| 214-031 | S.S.#: XXX-XX-XXX<br>Name: L. Gomez<br>Task: Building 15<br>ACM Transite removal | 60 | <0.033 |
| 214-032 | S.S.#: XXX-XX-XXX<br>Name: L. Gomez<br>Task: Building 15<br>ACM Transite Removal | 1020 | <0.002 |

T. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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**64 Broad Street, Matawan, New Jersey 07747**
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**Toll Free: 1-888-ENV-TACT**

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

n: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: November 18, 2011
Analysis Date: November 19, 2011
Report Date: November 19, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/15/11

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-033 | S.S.#: XXX-XX-XXX<br>Name: E. Abarca<br>Task: Building 18<br>Final Clean | 60 | <0.033 |
| 214-034 | S.S.#: XXX-XX-XXX<br>Name: E. Abarca<br>Task: Building 18<br>Final Clean | 1020 | <0.002 |
| 214-035 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 15<br>ACM Transite removal | 60 | <0.033 |
| 214-036 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 15<br>ACM Transite Removal | 1020 | <0.002 |

T. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

s report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

tn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: November 18, 2011
Analysis Date: November 19, 2011
Report Date: November 19, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/16/11

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-037 | S.S.#: XXX-XX-XXX<br>Name: I. Banda<br>Task: Building 18<br>ACM TSI / Final Clean | 60 | 0.213 |
| 214-038 | S.S.#: XXX-XX-XXX<br>Name: I. Banda<br>Task: Building 18<br>ACM TSI / Final Clean | 1020 | 0.011 |

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Director

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**Toll Free: 1-888-ENV-TACT**

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

| | | | |
|---|---|---|---|
| tn: | Precision Environmental Co.<br>5500 Old Brecksville Road<br>Independence, Ohio 44131 | Received:<br>Analysis Date:<br>Report Date:<br>T.A.T.: | November 18, 2011<br>November 19, 2011<br>November 19, 2011<br>24 Hour |

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/17/11

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-039 | S.S.#: XXX-XX-XXX<br>Name: D. Jordan<br>Task: Building 18<br>ACM TSI / Final Clean | 60 | <0.033 |
| 214-040 | S.S.#: XXX-XX-XXX<br>Name: D. Jordan<br>Task: Building 18<br>ACM TSI / Final Clean | 1020 | <0.002 |

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

tn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: November 18, 2011
Analysis Date: November 19, 2011
Report Date: November 19, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/18/11

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-041 | S.S.#: XXX-XX-XXX<br>Name: O. Ramirez<br>Task: Building 18<br>ACM TSI / Final Clean | 60 | <0.033 |
| 214-042 | S.S.#: XXX-XX-XXX<br>Name: O. Ramirez<br>Task: Building 18<br>ACM TSI / Final Clean | 1020 | <0.002 |

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

tn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: November 22, 2011
Analysis Date: November 23, 2011
Report Date: November 23, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/21/11

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-043 | S.S.#: XXX-XX-XXX<br>Name: I. Banda<br>Task: Building 18<br>Final Clean | 60 | <0.033 |
| 214-044 | S.S.#: XXX-XX-XXX<br>Name: I. Banda<br>Task: Building 18<br>Final Clean | 780 | 0.006 |
| 214-045 | S.S.#: XXX-XX-XXX<br>Name: H. Walsh<br>Task: Building 15<br>ACM Transite Removal | 60 | <0.033 |
| 214-046 | S.S.#: XXX-XX-XXX<br>Name: H. Walsh<br>Task: Building 15<br>ACM Transite Removal | 360 | <0.005 |

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

tn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: November 22, 2011
Analysis Date: November 23, 2011
Report Date: November 23, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/22/11

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT,F/CC |
|---|---|---|---|
| 214-047 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 15<br>ACM Transite Removal | 60 | <0.033 |
| 214-048 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 15<br>ACM Transite Removal | 360 | <0.002 |

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

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|---|---|---|---|
| n: | Precision Environmental Co.<br>5500 Old Brecksville Road<br>Independence, Ohio 44131 | Received:<br>Analysis Date:<br>Report Date:<br>T.A.T.: | December 9, 2011<br>December 9, 2011<br>December 9, 2011<br>24 Hour |
| Project: | 2011-136<br>Standard Chlorine Chemical Company, Inc. Site<br>Building 15, 17, 18 and 21<br>Kearny, New Jersey<br>PEC #: 1105214<br>OSHA Monitoring, 11/29/11 | | |

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-049 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 15<br>ACM Transite Removal | 60 | 0.057 |
| 214-050 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 15<br>ACM Transite Removal | 1080 | 0.005 |
| 214-051 | S.S.#: XXX-XX-XXX<br>Name: H. Walsh<br>Task: Building 18<br>ACM Transite Removal | 60 | <0.033 |
| 214-052 | S.S.#: XXX-XX-XXX<br>Name: H. Walsh<br>Task: Building 18<br>ACM Transite Removal | 1080 | 0.004 |

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*Environmental Management and Control*

n: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: December 9, 2011
Analysis Date: December 9, 2011
Report Date: December 9, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/30/11

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-053 | S.S.#: XXX-XX-XXX<br>Name: D. Jordan<br>Task: Building 15<br>ACM Transite Removal | 60 | 0.045 |
| 214-054 | S.S.#: XXX-XX-XXX<br>Name: D. Jordan<br>Task: Building 15<br>ACM Transite Removal | 1080 | 0.006 |
| 214-055 | S.S.#: XXX-XX-XXX<br>Name: L. Gomez<br>Task: Building 18<br>ACM Transite Removal | 60 | 0.074 |
| 214-056 | S.S.#: XXX-XX-XXX<br>Name: L. Gomez<br>Task: Building 18<br>ACM Transite Removal | 1080 | 0.008 |

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*Environmental Management and Control*

n: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: December 9, 2011
Analysis Date: December 9, 2011
Report Date: December 9, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 12/01/11

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT,F/CC |
|---|---|---|---|
| 214-057 | S.S.#: XXX-XX-XXX<br>Name: J. Schneider<br>Task: Building 15<br>ACM Transite Removal | 60 | 0.053 |
| 214-058 | S.S.#: XXX-XX-XXX<br>Name: J. Schneider<br>Task: Building 15<br>ACM Transite Removal | 1080 | 0.005 |
| 214-059 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 15<br>ACM Transite Removal | 60 | <0.033 |
| 214-060 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 15<br>ACM Transite Removal | 1080 | 0.008 |

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5500 Old Brecksville Road
Independence, Ohio 44131

Received: December 9, 2011
Analysis Date: December 9, 2011
Report Date: December 9, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 12/03/11

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-061 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 15<br>ACM Transite Removal | 60 | <0.033 |
| 214-062 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 15<br>ACM Transite Removal | 1080 | 0.006 |

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

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|---|---|---|---|
| Attn: | Precision Environmental Co.<br>5500 Old Brecksville Road<br>Independence, Ohio 44131 | Received:<br>Analysis Date:<br>Report Date:<br>T.A.T.: | December 9, 2011<br>December 9, 2011<br>December 9, 2011<br>24 Hour |
| Project: | 2011-136<br>Standard Chlorine Chemical Company, Inc. Site<br>Building 15, 17, 18 and 21<br>Kearny, New Jersey<br>PEC #: 1105214<br>OSHA Monitoring, 12/05/11 | | |

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT,F/CC |
|---|---|---|---|
| 214-063 | S.S.#: XXX-XX-XXX<br>Name: H. Walsh<br>Task: Building 18<br>ACM Transite Removal | 60 | <0.033 |
| 214-064 | S.S.#: XXX-XX-XXX<br>Name: H. Walsh<br>Task: Building 18<br>ACM Transite Removal | 1080 | 0.010 |

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*Environmental Management and Control*

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5500 Old Brecksville Road
Independence, Ohio 44131

Received: December 9, 2011
Analysis Date: December 9, 2011
Report Date: December 9, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 12/06/11

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-065 | S.S.#: XXX-XX-XXX<br>Name: R. McCollum<br>Task: Building 18<br>ACM Transite Removal | 60 | 0.065 |
| 214-066 | S.S.#: XXX-XX-XXX<br>Name: R. McCollum<br>Task: Building 18<br>ACM Transite Removal | 1080 | 0.012 |

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**PRECISION ENVIRONMENTAL CO**

**5500 Old Brecksville Road Independence, Ohio 44131**

**AIR SAMPLE FORM**

**216-642-6040 FAX: 216-642-6041**

Project Name: Standard Chlorine

Project # : 1105214

Analysis Requested

- [x] PCM- Asbestos
- [ ] TEM – Asbestos
- [ ] Lead-In Air

Turn Around Time

- [ ] Rush – Same Day
- [ ] Priority – 24 hour
- [ ] Regular – 48 hours

• Rush & Priority Apply to PCM Asbestos Only

## ANALYTICAL DATA

| SAMPLE ID | LAB ID | PUMP ID | DATE | START TIME | STOP TIME | FLOW RATE | DURATION (MINUTES) | VOLUME (LITERS) | RESULTS (FIBER/CC) |
|---|---|---|---|---|---|---|---|---|---|
| 214-013 | | PE 01 | 11-8-11 | 8:30 | 9:00 | 2.0 | 30 | 60 | <0.0327 |
| 214-014 | | PE01 | 11-8-11 | 9:00 | 4:30 | 2.0 | 450 | 900 | 0.0029 |
| 214-015 | | PE02 | 11-9-11 | 7:30 | 8:00 | 2.0 | 30 | 60 | <0.0327 |
| 214-016 | | PE02 | 11-9-11 | 8:00 | 4:30 | 2.0 | 510 | 1020 | 0.0086 |
| 214-017 | | PE01 | 11-10-11 | 10:00 | 10:30 | 2.0 | 30 | 60 | <0.0327 |
| 214-018 | | PE01 | 11-10-11 | 7:30 | 4:30 | 2.0 | 540 | 1080 | 0.0099 |

Sample Types: PRS= Personal PRM=Perimeter ENV=Environmental EXC=Excursion BGD=Background FC=Final Clearance

## DESCRIPTIVE INFORMATION

| SAMPLE ID | SAMPLE TYPE | WORKER NAME | S. S. # | LOCATION | ACTIVITY | RESPIRATOR TYPE |
|---|---|---|---|---|---|---|
| 214-013 | Exc | Harry Beam | | Building 21 | ACM Transite | Half Mask |
| 214-014 | PRS | Harry Beam | | Building 21 | Removal | Half Mask |
| 214-015 | Exc | Hugh Walsh | | Building 18 | ACM TSI | PAPR |
| 214-016 | PRS | Hugh Walsh | | Throughout | Removal | PAPR |
| 214-017 | Exc | Richie McCollum | | Building 18 | ACM TSI | PAPR |
| 214-018 | PRS | Richie McCollum | | Throughout | Removal | PAPR |

Relinquished By: _____ Date: 11-12-11

Received at Lab By: _____ Date: 11 13-11

**PRECISION ENVIRONMENTAL CO**
5500 Old Brecksville Road Independence, Ohio 44131

**AIR SAMPLE FORM**

216-642-6040 FAX: 216-642-6041

Project Name: Standard Chlorine

Project # : 1105214

Analysis Requested
- [x] PCM- Asbestos
- [ ] TEM – Asbestos
- [ ] Lead-In Air

Turn Around Time
- [ ] Rush – Same Day
- [ ] Priority – 24 hour
- [ ] Regular – 48 hours

• Rush & Priority Apply to PCM Asbestos Only

## ANALYTICAL DATA

| SAMPLE ID | LAB ID | PUMP ID | DATE | START TIME | STOP TIME | FLOW RATE | DURATION (MINUTES) | VOLUME (LITERS) | RESULTS (FIBER/CC) |
|---|---|---|---|---|---|---|---|---|---|
| 214-019 | | PE02 | 11-10-11 | 1:30 | 2:00 | 2.0 | 30 | 60 | <0.0327 |
| 214-020 | | PE02 | 11-10-11 | 11:00 | 4:30 | 2.0 | 330 | 660 | <0.0029 |
| 214-021 | | PE01 | 11-11-11 | 7:30 | 8:00 | 2.0 | 30 | 60 | 0.0776 |
| 214-022 | | PE01 | 11-11-11 | 8:00 | 4:30 | 2.0 | 510 | 1020 | 0.0125 |
| 214-023 | | PE02 | 11-11-11 | 11:30 | 12:00 | 2.0 | 30 | 60 | <0.0327 |
| 214-024 | | PE02 | 11-11-11 | 9:00 | 4:30 | 2.0 | 450 | 900 | <0.0021 |

Sample Types: PRS= Personal, PRM=Perimeter, ENV=Environmental, EXC=Excursion, BGD=Background, FC=Final Clearance

## DESCRIPTIVE INFORMATION

| SAMPLE ID | SAMPLE TYPE | WORKER NAME | S. S. # | LOCATION | ACTIVITY | RESPIRATOR TYPE |
|---|---|---|---|---|---|---|
| 214-019 | Exc | Luis Gomez | | Building 17 | ACM Glazing | Half Mask |
| 214-020 | PRS | Luis Gomez | | Building 17 | Caulk Removal | Half Mask |
| 214-021 | Exc | Juan Ramos | | Building 18 | ACM TSI | PAPR |
| 214-022 | PRS | Juan Ramos | | Building 18 | Removal | PAPR |
| 214-023 | Exc | Harry Beam | | Building 17 | ACM Glazing | Half Mask |
| 214-024 | PRS | Harry Beam | | Building 17 | Caulk Removal | Half Mask |

Relinquished By: Jeff Schneider Date: 11-12-11

Received at Lab By: Date: 11 13.11

**PRECISION ENVIRONMENTAL CO** **AIR SAMPLE FORM**

**5500 Old Brecksville Road Independence, Ohio 44131** **216-642-6040 FAX: 216-642-6041**

Project Name: Standard Chlorine

Project # : 1105214

Analysis Requested
- [x] PCM- Asbestos
- [ ] TEM – Asbestos
- [ ] Lead-In Air

Turn Around Time
- [ ] Rush – Same Day
- [ ] Priority – 24 hour
- [ ] Regular – 48 hours

• Rush & Priority Apply to PCM Asbestos Only

## ANALYTICAL DATA

| SAMPLE ID | LAB ID | PUMP ID | DATE | START TIME | STOP TIME | FLOW RATE | DURATION (MINUTES) | VOLUME (LITERS) | RESULTS (FIBER/CC) |
|---|---|---|---|---|---|---|---|---|---|
| 214-025 | | PE 01 | 11-12-11 | 7:30 | 8:00 | 2.0 | 30 | 60 | 0.0980 |
| 214-026 | | PE 01 | 11-12-11 | 9:00 | 4:30 | 2.0 | 510 | 1020 | 0.0120 |
| 214-027 | | PE 02 | 11-12-11 | 7:30 | 8:00 | 2.0 | 30 | 60 | <0.0327 |
| 214-028 | | PE 02 | 11-12-11 | 8:00 | 4:30 | 2.0 | 510 | 1020 | 0.0028 |
| | | | | | | | | | |
| | | | | | | | | | |

Sample Types: PRS= Personal, EXC=Excursion, PRM=Perimeter, BGD=Background, ENV=Environmental, FC=Final Clearance

## DESCRIPTIVE INFORMATION

| SAMPLE ID | SAMPLE TYPE | WORKER NAME | S. S. # | LOCATION | ACTIVITY | RESPIRATOR TYPE |
|---|---|---|---|---|---|---|
| 214-025 | Exc | Orlando Ramirez | | Building 18 | ACM TSI | PAPR |
| 214-026 | PRS | Orlando Ramirez | | Throughout | Removal | PAPR |
| 214-027 | Exc | Luis Gomez | | Building 17 | ACM Glazing | Half Mask |
| 214-028 | PRS | Luis Gomez | | Building 17 | Caulk Removal | Half Mask |
| | | | | | | |
| | | | | | | |

Relinquished By: Jeff Schneider Date: 11-12-11

Received at Lab By: [signature] Date: 11/13/11

**PRECISION ENVIRONMENTAL CO**
5500 Old Brecksville Road Independence, Ohio 44131

**AIR SAMPLE FORM**

216-642-6060 FAX: 216-642-6041

Project Name: Standard Chlorine

Project # : 1105214

Analysis Requested
- [x] PCM- Asbestos
- [ ] TEM – Asbestos
- [ ] Lead-In-Air

Turn Around Time
- [ ] Rush – Same Day
- [ ] Priority – 24 hour
- [ ] Regular – 48 hours

• Rush & Priority Apply to PCM Asbestos Only

## ANALYTICAL DATA

| SAMPLE ID | LAB ID | PUMP ID | DATE | START TIME | STOP TIME | FLOW RATE | DURATION (MINUTES) | VOLUME (LITERS) | RESULTS (FIBER/CC) |
|---|---|---|---|---|---|---|---|---|---|
| 214-029 | | PE01 | 11-14-11 | 10:00 | 10:30 | 2.0 | 30 | 60 | <0.0327 |
| 214-030 | | PE01 | 11-14-11 | 7:30 | 4:30 | 2.0 | 510 | 1020 | <0.0019 |
| 214-031 | | PE02 | 11-14-11 | 8:30 | 9:00 | 2.0 | 30 | 60 | <0.0327 |
| 214-032 | | PE02 | 11-14-11 | 7:30 | 4:30 | 2.0 | 510 | 1020 | <0.0019 |
| 214-033 | | PE01 | 11-15-11 | 11:30 | 12:00 | 2.0 | 30 | 60 | <0.0327 |
| 214-034 | | PE01 | 11-15-11 | 7:30 | 4:30 | 2.0 | 510 | 1020 | <0.0019 |

Sample Types: PRS= Personal, EXC=Excursion, PRM=Perimeter, BGD=Background, ENV=Environmental, FC=Final Clearance

## DESCRIPTIVE INFORMATION

| SAMPLE ID | SAMPLE TYPE | WORKER NAME | S. S. # | LOCATION | ACTIVITY | RESPIRATOR TYPE |
|---|---|---|---|---|---|---|
| 214-029 | Exc | Danilo Jordan | | Building 18 | Final clean | PAPR |
| 214-030 | PRS | Danilo Jordan | | Throughout | Final clean | PAPR |
| 214-031 | Exc | Luis Gomez | | Building 15 | Acm Transite | Half mask |
| 214-032 | PRS | Luis Gomez | | Building 15 | Removal | Half mask |
| 214-033 | Exc | Edgar Abarca | | Building 18 | Final Clean | PAPR |
| 214-034 | PRS | Edgar Abarca | | Throughout | Final Clean | PAPR |

Relinquished By: _____ Date: 11-18-11

Received at Lab By: _____ Date: 11 19 11

**PRECISION ENVIRONMENTAL CO** — **AIR SAMPLE FORM**

5500 Old Brecksville Road Independence, Ohio 44131 216-642-6040 FAX: 216-642-6041

Project Name: Standard Chlorine

Project # : 1105214

Analysis Requested
- [x] PCM- Asbestos
- [ ] TEM – Asbestos
- [ ] Lead-In Air

Turn Around Time
- [ ] Rush – Same Day
- [ ] Priority – 24 hour
- [ ] Regular – 48 hours

• Rush & Priority Apply to PCM Asbestos Only

## ANALYTICAL DATA

| SAMPLE ID | LAB ID | PUMP ID | DATE | START TIME | STOP TIME | FLOW RATE | DURATION (MINUTES) | VOLUME (LITERS) | RESULTS (FIBER/CC) |
|---|---|---|---|---|---|---|---|---|---|
| 214-035 | | PE02 | 11-15-11 | 8:30 | 9:00 | 2.0 | 30 | 60 | <0.0327 |
| 214-036 | | PE02 | 11-15-11 | 7:30 | 4:30 | 2.0 | 510 | 1020 | <0.0019 |
| 214-037 | | PE01 | 11-16-11 | 10:00 | 10:30 | 2.0 | 30 | 60 | 0.2125 |
| 214-038 | | PE01 | 11-16-11 | 7:30 | 4:30 | 2.0 | 510 | 1020 | 0.0115 |
| 214-039 | | PE01 | 11-17-11 | 11:00 | 11:30 | 2.0 | 30 | 60 | <0.0327 |
| 214-040 | | PE01 | 11-17-11 | 7:30 | 4:30 | 2.0 | 510 | 1020 | <0.0019 |

Sample Types: PRS= Personal, PRM=Perimeter, ENV=Environmental, EXC=Excursion, BGD=Background, FC=Final Clearance

## DESCRIPTIVE INFORMATION

| SAMPLE ID | SAMPLE TYPE | WORKER NAME | S. S. # | LOCATION | ACTIVITY | RESPIRATOR TYPE |
|---|---|---|---|---|---|---|
| 214-035 | Exc | Harry Beam | | Building 15 | ACM Transite | Half Mask |
| 214-034 | PRS | Harry Beam | | Building 15 | Removal | Half Mask |
| 214-037 | Exc | Ivan Banda | | Building 18 | Final Clean | PAPR |
| 214-038 | PRS | Ivan Banda | | Throughout | ACM TSI | PAPR |
| 214-039 | Exc | Danilo Jordan | | Building 18 | Final Clean | PAPR |
| 214-040 | PRS | Danilo Jordan | | Throughout | ACM TSI | PAPR |

Relinquished By: _____ Date: 11-18-11

Received at Lab By: _____ Date: 11 19.11

**PRECISION ENVIRONMENTAL CO**
5500 Old Brecksville Road Independence, Ohio 44131

**AIR SAMPLE FORM**
216-642-6040 FAX: 216-642-6041

Project Name: Standard Chlorine

Project # : 1105214

Analysis Requested
- [x] PCM- Asbestos
- [ ] TEM – Asbestos
- [ ] Lead-In Air

Turn Around Time
- [ ] Rush – Same Day
- [ ] Priority – 24 hour
- [ ] Regular – 48 hours

- Rush & Priority Apply to PCM Asbestos Only

## ANALYTICAL DATA

| SAMPLE ID | LAB ID | PUMP ID | DATE | START TIME | STOP TIME | FLOW RATE | DURATION (MINUTES) | VOLUME (LITERS) | RESULTS (FIBER/CC) |
|---|---|---|---|---|---|---|---|---|---|
| 214-041 | | PE01 | 11-18-11 | 9:00 | 9:30 | 2.0 | 30 | 60 | <0.0327 |
| 214-042 | | PE01 | 11-18-11 | 7:30 | 4:30 | 2.0 | 510 | 1020 | <0.0019 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Sample Types: PRS= Personal, EXC=Excursion, PRM=Perimeter, BGD=Background, ENV=Environmental, FC=Final Clearance

## DESCRIPTIVE INFORMATION

| SAMPLE ID | SAMPLE TYPE | WORKER NAME | S. S. # | LOCATION | ACTIVITY | RESPIRATOR TYPE |
|---|---|---|---|---|---|---|
| 214-041 | Exc | Orlando Ramirez | | Building 18 | Final Clean | PAPR |
| 214-042 | PRS | Orlando Ramirez | | Through out | ACM TSI | PAPR |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Relinquished By: _____ Date: 11-18-11

Received at Lab By: _____ Date: 11-19 11

**PRECISION ENVIRONMENTAL CO** — **AIR SAMPLE FORM**

5500 Old Brecksville Road Independence, Ohio 44131 216-642-6040 FAX: 216-642-6041

Project Name: Standard Chlorine

Project # : 1105214

Analysis Requested
- [x] PCM- Asbestos
- [ ] TEM – Asbestos
- [ ] Lead-In Air

Turn Around Time
- [ ] Rush – Same Day
- [ ] Priority – 24 hour
- [ ] Regular – 48 hours

• Rush & Priority Apply to PCM Asbestos Only

## ANALYTICAL DATA

| SAMPLE ID | LAB ID | PUMP ID | DATE | START TIME | STOP TIME | FLOW RATE | DURATION (MINUTES) | VOLUME (LITERS) | RESULTS (FIBER/CC) |
|---|---|---|---|---|---|---|---|---|---|
| 214-043 | | PE01 | 11-21-11 | 7:30 | 8:00 | 2.0 | 30 | 60 | <0.0327 |
| 214-044 | | PE01 | 11-21-11 | 8:00 | 3:00 | 2.0 | 390 | 780 | 0.0062 |
| 214-045 | | PE02 | 11-21-11 | 1:30 | 2:00 | 2.0 | 30 | 60 | <0.0327 |
| 214-046 | | PE02 | 11-21-11 | 2:00 | 5:00 | 2.0 | 180 | 360 | <0.0054 |
| 214-047 | | PE01 | 11-22-11 | 9:00 | 9:30 | 2.0 | 30 | 60 | <0.0327 |
| 214-048 | | PE01 | 11-22-11 | 7:30 | 4:30 | 2.0 | 510 | 1020 | <0.0019 |

Sample Types: PRS= Personal, PRM=Perimeter, ENV=Environmental, EXC=Excursion, BGD=Background, FC=Final Clearance

## DESCRIPTIVE INFORMATION

| SAMPLE ID | SAMPLE TYPE | WORKER NAME | S. S. # | LOCATION | ACTIVITY | RESPIRATOR TYPE |
|---|---|---|---|---|---|---|
| 214-043 | Exc | Ivan Banda | | Building 18 | Final Clean | PAPR |
| 214-044 | PRS | Ivan Banda | | Building 18 | Final Clean | PAPR |
| 214-045 | Exc | Hugh Walsh | | Building 15 | ACM Transit | Half Mask |
| 214-046 | PRS | Hugh Walsh | | Building 15 | Removal | Half Mask |
| 214-047 | Exc | Harry Beam | | Building 15 | ACM Transite | Half Mask |
| 214-048 | PRS | Harry Beam | | Building 15 | Removal | Half Mask |

Relinquished By: _____ Date: 11-22-11

Received at Lab By: _____ Date: 11-23-11

**PRECISION ENVIRONMENTAL CO**
5500 Old Brecksville Road Independence, Ohio 44131

**AIR SAMPLE FORM**
216-642-6040 FAX: 216-642-6041

Project Name: Standard Chlorine
Project # : 1105214

Analysis Requested
- [x] PCM- Asbestos
- [ ] TEM – Asbestos
- [ ] Lead-In Air

Turn Around Time
- [ ] Rush – Same Day
- [x] Priority – 24 hour
- [ ] Regular – 48 hours

- Rush & Priority Apply to PCM Asbestos Only

## ANALYTICAL DATA

| SAMPLE ID | LAB ID | PUMP ID | DATE | START TIME | STOP TIME | FLOW RATE | DURATION (MINUTES) | VOLUME (LITERS) | RESULTS (FIBER/CC) |
|---|---|---|---|---|---|---|---|---|---|
| 214-049 | | PE 01 | 11-29-11 | 7:30 | 8:00 | 2.0 | 30 | 60 | |
| 214-050 | | PE 01 | 11-29-11 | 8:00 | 5:00 | 2.0 | 540 | 1080 | |
| 214-051 | | PE 02 | 11-29-11 | 7:30 | 8:00 | 2.0 | 30 | 60 | |
| 214-052 | | PE 02 | 11-29-11 | 8:00 | 5:00 | 2.0 | 540 | 1080 | |
| 214-053 | | PE 01 | 11-30-11 | 8:30 | 9:00 | 2.0 | 30 | 60 | |
| 214-054 | | PE 01 | 11-30-11 | 7:30 | 5:00 | 2.0 | 540 | 1080 | |

Sample Types: PRS= Personal, PRM=Perimeter, ENV=Environmental, EXC=Excursion, BGD=Background, FC=Final Clearance

## DESCRIPTIVE INFORMATION

| SAMPLE ID | SAMPLE TYPE | WORKER NAME | S. S. # | LOCATION | ACTIVITY | RESPIRATOR TYPE |
|---|---|---|---|---|---|---|
| 214-049 | Exc | Harry Beam | | Building 15 | ACM | Half Mask |
| 214-050 | PRS | Harry Beam | | Building 15 | Transite | Half Mask |
| 214-051 | Exc | Hugh Walsh | | Building 18 | Removal | " |
| 214-052 | PRS | Hugh Walsh | | Building 18 | " | " |
| 214-053 | Exc | Danillo Jordan | | Building 15 | " | " |
| 214-054 | PRS | Danillo Jordan | | Building 15 | " | " |

Relinquished By: [signature] Date: 12-8-11

Received at Lab By: [signature] Date: 12/9/11

**PRECISION ENVIRONMENTAL CO** **AIR SAMPLE FORM**

5500 Old Brecksville Road Independence, Ohio 44131 216-642-6040 FAX: 216-642-6041

Project Name: Standard Chlorine

Project # : 1105214

Analysis Requested
- [x] PCM- Asbestos
- [ ] TEM – Asbestos
- [ ] Lead-In Air

Turn Around Time
- [ ] Rush – Same Day
- [x] Priority – 24 hour
- [ ] Regular – 48 hours

- Rush & Priority Apply to PCM Asbestos Only

## ANALYTICAL DATA

| SAMPLE ID | LAB ID | PUMP ID | DATE | START TIME | STOP TIME | FLOW RATE | DURATION (MINUTES) | VOLUME (LITERS) | RESULTS (FIBER/CC) |
|---|---|---|---|---|---|---|---|---|---|
| 214.055 | | PE02 | 11.30.11 | 8:30 | 9:00 | 2.0 | 30 | 60 | |
| 214.056 | | PE02 | 11.30.11 | 7:30 | 5:00 | 2.0 | 540 | 1080 | |
| 214.057 | | PE01 | 12.1.11 | 10:30 | 11:00 | 2.0 | 30 | 60 | |
| 214.058 | | PE01 | 12.1.11 | 7:30 | 5:00 | 2.0 | 540 | 1080 | |
| 214.059 | | PE02 | 12.2.11 | 10:00 | 10:30 | 2.0 | 30 | 60 | |
| 214.060 | | PE02 | 12.2.11 | 7:30 | 5:00 | 2.0 | 540 | 1080 | |

Sample Types: PRS= Personal PRM=Perimeter ENV=Environmental EXC=Excursion BGD=Background FC=Final Clearance

## DESCRIPTIVE INFORMATION

| SAMPLE ID | SAMPLE TYPE | WORKER NAME | S. S. # | LOCATION | ACTIVITY | RESPIRATOR TYPE |
|---|---|---|---|---|---|---|
| 214.055 | Exc | Luis Gomez | | Building 18 | ACM | Half Mask |
| 214.056 | PRS | Luis Gomez | | Building 18 | Transite | Half Mask |
| 214.057 | Exc | Jeff Schneider | | Building 15 | Removal | " |
| 214.058 | PRS | Jeff Schneider | | Building 15 | " | " |
| 214.059 | Exc | Harry Beam | | Building 15 | " | " |
| 214.060 | PRS | Harry Beam | | Building 15 | " | " |

Relinquished By: Jeff Sch Date: 12.8.11

Received at Lab By: Date: 12/9/11

**PRECISION ENVIRONMENTAL CO** **AIR SAMPLE FORM**

5500 Old Brecksville Road Independence, Ohio 44131 216-642-6040 FAX: 216-642-6041

Project Name: Standard Chlorine

Project # : 1105 214

Analysis Requested
- [x] PCM- Asbestos
- [ ] TEM – Asbestos
- [ ] Lead-In Air

Turn Around Time
- [ ] Rush – Same Day
- [x] Priority – 24 hour
- [ ] Regular – 48 hours

- Rush & Priority Apply to PCM Asbestos Only

## ANALYTICAL DATA

| SAMPLE ID | LAB ID | PUMP ID | DATE | START TIME | STOP TIME | FLOW RATE | DURATION (MINUTES) | VOLUME (LITERS) | RESULTS (FIBER/CC) |
|---|---|---|---|---|---|---|---|---|---|
| 214-061 | | PE01 | 12-3-11 | 9:00 | 9:30 | 2.0 | 30 | 60 | |
| 214-062 | | PE01 | 12-3-11 | 7:30 | 5:00 | 2.0 | 540 | 1080 | |
| 214-063 | | PE01 | 12-5-11 | 1:30 | 2:00 | 2.0 | 30 | 60 | |
| 214-064 | | PE01 | 12-5-11 | 7:30 | 5:00 | 2.0 | 540 | 1080 | |
| 214-065 | | PE01 | 12-6-11 | 8:00 | 8:30 | 2.0 | 30 | 60 | |
| 214-066 | | PE01 | 12-6-11 | 7:30 | 5:00 | 2.0 | 540 | 1080 | |

Sample Types: PRS= Personal PRM=Perimeter ENV=Environmental EXC=Excursion BGD=Background FC=Final Clearance

## DESCRIPTIVE INFORMATION

| SAMPLE ID | SAMPLE TYPE | WORKER NAME | S. S. # | LOCATION | ACTIVITY | RESPIRATOR TYPE |
|---|---|---|---|---|---|---|
| 214-061 | Exc | Harry Beam | | Building 15 | ACM | Half Mask |
| 214-062 | PRS | Harry Beam | | Building 15 | Transite | Half Mask |
| 214-063 | Exc | Hugh Walsh | | Building 18 | Removal | " |
| 214-064 | PRS | Hugh Walsh | | Building 18 | " | " |
| 214-065 | Exc | Richie McCollum | | Building 18 | " | " |
| 214-066 | PRS | Richie McCollum | | Building 18 | " | " |

Relinquished By: [signature] Date: 12-8-11

Received at Lab By: [signature] Date: 12/9/11

MG

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

standard chlorine

## FACSIMILE - COVER SHEET

TO:
Name: Mr. Marc Garland

Date: November 28, 2011

Company: Precision Environmental Co., Inc.

Fax Phone: (216) 642-6041

FROM:

Name: Thomas P. Geiger

Fax Phone: (732) 290-2236

THIS TRANSMISSION CONSISTS OF 20 PAGES, INCLUDING THIS COVER SHEET. PLEASE CONTACT THE SENDER IF YOU DO NOT RECEIVE THIS NUMBER OF SHEETS.

NOTE:

**OSHA Monitoring results: 11-08-11 thru 11-22-11.**

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE ADDRESSEE AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED AND CONFIDENTIAL. IF YOU ARE NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE. THANK YOU.

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: November 12, 2011
Analysis Date: November 13, 2011
Report Date: November 13, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/08/11

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-013 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 21<br>ACM Transite Removal | 60 | <0.033 |
| 214-014 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 21<br>ACM Transite Removal | 900 | 0.003 |

T. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: November 12, 2011
Analysis Date: November 13, 2011
Report Date: November 13, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/09/11

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-015 | S.S.#: XXX-XX-XXX<br>Name: H. Walsh<br>Task: Building 18<br>ACM TSI Removal | 60 | <0.033 |
| 214-016 | S.S.#: XXX-XX-XXX<br>Name: H. Walsh<br>Task: Building 18<br>ACM TSI Removal | 1020 | 0.009 |

T. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: November 12, 2011
Analysis Date: November 13, 2011
Report Date: November 13, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/10/11

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-017 | S.S.#: XXX-XX-XXX<br>Name: R. McCollum<br>Task: Building 18<br>ACM TSI Removal | 60 | <0.033 |
| 214-018 | S.S.#: XXX-XX-XXX<br>Name: R. McCollum<br>Task: Building 18<br>ACM TSI Removal | 1080 | 0.010 |
| 214-019 | S.S.#: XXX-XX-XXX<br>Name: L. Gomez<br>Task: Building 17<br>ACM Glazing | 60 | <0.033 |
| 214-020 | S.S.#: XXX-XX-XXX<br>Name: L. Gomez<br>Task: Building 17<br>ACM Caulk Removal | 660 | <0.003 |

T. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: November 12, 2011
Analysis Date: November 13, 2011
Report Date: November 13, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/11/11

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-021 | S.S.#: XXX-XX-XXX<br>Name: J. Ramos<br>Task: Building 18<br>ACM TSI Removal | 60 | 0.078 |
| 214-022 | S.S.#: XXX-XX-XXX<br>Name: J. Ramos<br>Task: Building 18<br>ACM TSI Removal | 1020 | 0.013 |
| 214-023 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 17<br>ACM Glazing | 60 | <0.033 |
| 214-024 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 17<br>ACM Caulk | 900 | <0.002 |

T. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: November 12, 2011
Analysis Date: November 13, 2011
Report Date: November 13, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/12/11

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-025 | S.S.#: XXX-XX-XXX<br>Name: O. Ramirez<br>Task: Building 18<br>ACM TSI Removal | 60 | 0.098 |
| 214-026 | S.S.#: XXX-XX-XXX<br>Name: O. Ramirez<br>Task: Building 18<br>ACM TSI Removal | 1020 | 0.012 |
| 214-027 | S.S.#: XXX-XX-XXX<br>Name: L. Gomez<br>Task: Building 17<br>ACM Glazing | 60 | <0.033 |
| 214-028 | S.S.#: XXX-XX-XXX<br>Name: L. Gomez<br>Task: Building 17<br>ACM Caulk | 1020 | 0.003 |

T. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: November 18, 2011
Analysis Date: November 19, 2011
Report Date: November 19, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/14/11

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-029 | S.S.#: XXX-XX-XXX<br>Name: D. Jordan<br>Task: Building 18<br>Final Clean | 60 | <0.033 |
| 214-030 | S.S.#: XXX-XX-XXX<br>Name: D. Jordan<br>Task: Building 18<br>Final Clean | 1020 | <0.002 |
| 214-031 | S.S.#: XXX-XX-XXX<br>Name: L. Gomez<br>Task: Building 15<br>ACM Transite removal | 60 | <0.033 |
| 214-032 | S.S.#: XXX-XX-XXX<br>Name: L. Gomez<br>Task: Building 15<br>ACM Transite Removal | 1020 | <0.002 |

T. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: November 18, 2011
Analysis Date: November 19, 2011
Report Date: November 19, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/15/11

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-033 | S.S.#: XXX-XX-XXX<br>Name: E. Abarca<br>Task: Building 18<br>Final Clean | 60 | <0.033 |
| 214-034 | S.S.#: XXX-XX-XXX<br>Name: E. Abarca<br>Task: Building 18<br>Final Clean | 1020 | <0.002 |
| 214-035 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 15<br>ACM Transite removal | 60 | <0.033 |
| 214-036 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 15<br>ACM Transite Removal | 1020 | <0.002 |

T. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: November 18, 2011
Analysis Date: November 19, 2011
Report Date: November 19, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/16/11

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-037 | S.S.#: XXX-XX-XXX<br>Name: I. Banda<br>Task: Building 18<br>ACM TSI / Final Clean | 60 | 0.213 |
| 214-038 | S.S.#: XXX-XX-XXX<br>Name: I. Banda<br>Task: Building 18<br>ACM TSI / Final Clean | 1020 | 0.011 |

T. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: November 18, 2011
Analysis Date: November 19, 2011
Report Date: November 19, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/17/11

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-039 | S.S.#: XXX-XX-XXX<br>Name: D. Jordan<br>Task: Building 18<br>ACM TSI / Final Clean | 60 | <0.033 |
| 214-040 | S.S.#: XXX-XX-XXX<br>Name: D. Jordan<br>Task: Building 18<br>ACM TSI / Final Clean | 1020 | <0.002 |

T. Geiger
Director

Thomas P. Geiger
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Or other approved signatory

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: November 18, 2011
Analysis Date: November 19, 2011
Report Date: November 19, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/18/11

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-041 | S.S.#: XXX-XX-XXX<br>Name: O. Ramirez<br>Task: Building 18<br>ACM TSI / Final Clean | 60 | <0.033 |
| 214-042 | S.S.#: XXX-XX-XXX<br>Name: O. Ramirez<br>Task: Building 18<br>ACM TSI / Final Clean | 1020 | <0.002 |

T. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: November 22, 2011
Analysis Date: November 23, 2011
Report Date: November 23, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/21/11

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-043 | S.S.#: XXX-XX-XXX<br>Name: I. Banda<br>Task: Building 18<br>Final Clean | 60 | <0.033 |
| 214-044 | S.S.#: XXX-XX-XXX<br>Name: I. Banda<br>Task: Building 18<br>Final Clean | 780 | 0.006 |
| 214-045 | S.S.#: XXX-XX-XXX<br>Name: H. Walsh<br>Task: Building 15<br>ACM Transite Removal | 60 | <0.033 |
| 214-046 | S.S.#: XXX-XX-XXX<br>Name: H. Walsh<br>Task: Building 15<br>ACM Transite Removal | 360 | <0.005 |

T. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: November 22, 2011
Analysis Date: November 23, 2011
Report Date: November 23, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/22/11

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-047 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 15<br>ACM Transite Removal | 60 | <0.033 |
| 214-048 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 15<br>ACM Transite Removal | 360 | <0.002 |

T. Geiger
Director

Thomas P. Geiger
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Toll Free: 1-888-ENV-TACT

**PRECISION ENVIRONMENTAL CO**
5500 Old Brecksville Road Independence, Ohio 44131

**AIR SAMPLE FORM**

216-642-6040 FAX: 216-642-6041

Project Name: Standard Chlorine
Project # : 1105214

Analysis Requested
- [x] PCM- Asbestos
- [ ] TEM – Asbestos
- [ ] Lead-In Air

Turn Around Time
- [ ] Rush – Same Day
- [ ] Priority – 24 hour
- [ ] Regular – 48 hours

• Rush & Priority Apply to PCM Asbestos Only

## ANALYTICAL DATA

| SAMPLE ID | LAB ID | PUMP ID | DATE | START TIME | STOP TIME | FLOW RATE | DURATION (MINUTES) | VOLUME (LITERS) | RESULTS (FIBER/CC) |
|---|---|---|---|---|---|---|---|---|---|
| 214-013 | | PE 01 | 11-8-11 | 8:30 | 9:00 | 2.0 | 30 | 60 | <0.0327 |
| 214-014 | | PE 01 | 11-8-11 | 9:00 | 4:30 | 2.0 | 450 | 900 | 0.0029 |
| 214-015 | | PE 02 | 11-9-11 | 7:30 | 8:00 | 2.0 | 30 | 60 | <0.0327 |
| 214-016 | | PE 02 | 11-9-11 | 8:00 | 4:30 | 2.0 | 510 | 1020 | 0.0086 |
| 214-017 | | PE 01 | 11-10-11 | 10:00 | 10:30 | 2.0 | 30 | 60 | <0.0327 |
| 214-018 | | PE 01 | 11-10-11 | 7:30 | 4:30 | 2.0 | 540 | 1080 | 0.0099 |

Sample Types: PRS= Personal, PRM=Perimeter, ENV=Environmental, EXC=Excursion, BGD=Background, FC=Final Clearance

## DESCRIPTIVE INFORMATION

| SAMPLE ID | SAMPLE TYPE | WORKER NAME | S. S. # | LOCATION | ACTIVITY | RESPIRATOR TYPE |
|---|---|---|---|---|---|---|
| 214-013 | Exc | Harry Beam | | Building 21 | ACM Transite | Half Mask |
| 214-014 | PRS | Harry Beam | | Building 21 | Removal | Half Mask |
| 214-015 | Exc | Hugh Walsh | | Building 18 | ACM TSI | PAPR |
| 214-016 | PRS | Hugh Walsh | | Throughout | Removal | PAPR |
| 214-017 | Exc | Richie McCollum | | Building 18 | ACM TSI | PAPR |
| 214-018 | PRS | Richie McCollum | | Throughout | Removal | PAPR |

Relinquished By: _____ Date: 11-12-11

Received at Lab By: _____ Date: 11 13-11

**PRECISION ENVIRONMENTAL CO**

5500 Old Brecksville Road Independence, Ohio 44131

**AIR SAMPLE FORM**

216-642-6040 FAX: 216-642-6041

Project Name: Standard Chlorine

Project # : 1105214

Analysis Requested
- [x] PCM- Asbestos
- [ ] TEM – Asbestos
- [ ] Lead-In Air

Turn Around Time
- [ ] Rush – Same Day
- [ ] Priority – 24 hour
- [ ] Regular – 48 hours

• Rush & Priority Apply to PCM Asbestos Only

## ANALYTICAL DATA

| SAMPLE ID | LAB ID | PUMP ID | DATE | START TIME | STOP TIME | FLOW RATE | DURATION (MINUTES) | VOLUME (LITERS) | RESULTS (FIBER/CC) |
|---|---|---|---|---|---|---|---|---|---|
| 214-019 | | PE02 | 11-10-11 | 1:30 | 2:00 | 2.0 | 30 | 60 | <0.0327 |
| 214-020 | | PE02 | 11-10-11 | 11:00 | 4:30 | 2.0 | 330 | 660 | <0.0029 |
| 214-021 | | PE01 | 11-11-11 | 7:30 | 8:00 | 2.0 | 30 | 60 | 0.0776 |
| 214-022 | | PE01 | 11-11-11 | 8:00 | 4:30 | 2.0 | 510 | 1020 | 0.0125 |
| 214-023 | | PE02 | 11-11-11 | 11:30 | 12:00 | 2.0 | 30 | 60 | <0.0327 |
| 214-024 | | PE02 | 11-11-11 | 9:00 | 4:30 | 2.0 | 450 | 900 | <0.0021 |

Sample Types: PRS= Personal, EXC=Excursion, PRM=Perimeter, BGD=Background, ENV=Environmental, FC=Final Clearance

## DESCRIPTIVE INFORMATION

| SAMPLE ID | SAMPLE TYPE | WORKER NAME | S. S. # | LOCATION | ACTIVITY | RESPIRATOR TYPE |
|---|---|---|---|---|---|---|
| 214-019 | Exc | Luis Gomez | | Building 17 | ACM Glazing | Half Mask |
| 214-020 | PRS | Luis Gomez | | Building 17 | Caulk Removal | Half Mask |
| 214-021 | Exc | Juan Ramos | | Building 18 | ACM TSI | PAPR |
| 214-022 | PRS | Juan Ramos | | Building 18 | Removal | PAPR |
| 214-023 | Exc | Harry Beam | | Building 17 | ACM Glazing | Half Mask |
| 214-024 | PRS | Harry Beam | | Building 17 | Caulk Removal | Half Mask |

Relinquished By: Jeff Schneider Date: 11-12-11

Received at Lab By: Date: 11.13.11

**PRECISION ENVIRONMENTAL CO**
5500 Old Brecksville Road Independence, Ohio 44131

**AIR SAMPLE FORM**
216-642-6040 FAX: 216-642-6041

Project Name: Standard Chlorine
Project # : 1105214

Analysis Requested
- [x] PCM- Asbestos
- [ ] TEM – Asbestos
- [ ] Lead-In Air

Turn Around Time
- [ ] Rush – Same Day
- [ ] Priority – 24 hour
- [ ] Regular – 48 hours

• Rush & Priority Apply to PCM Asbestos Only

## ANALYTICAL DATA

| SAMPLE ID | LAB ID | PUMP ID | DATE | START TIME | STOP TIME | FLOW RATE | DURATION (MINUTES) | VOLUME (LITERS) | RESULTS (FIBER/CC) |
|---|---|---|---|---|---|---|---|---|---|
| 214-025 | | PE 01 | 11-12-11 | 7:30 | 8:00 | 2.0 | 30 | 60 | 0.0980 |
| 214-026 | | PE 01 | 11-12-11 | 9:00 | 4:30 | 2.0 | 510 | 1020 | 0.0120 |
| 214-027 | | PE 02 | 11-12-11 | 7:30 | 8:00 | 2.0 | 30 | 60 | <0.0327 |
| 214-028 | | PE 02 | 11-12-11 | 8:00 | 4:30 | 2.0 | 510 | 1020 | 0.0028 |
| | | | | | | | | | |
| | | | | | | | | | |

Sample Types: PRS= Personal, EXC=Excursion, PRM=Perimeter, BGD=Background, ENV=Environmental, FC=Final Clearance

## DESCRIPTIVE INFORMATION

| SAMPLE ID | SAMPLE TYPE | WORKER NAME | S. S. # | LOCATION | ACTIVITY | RESPIRATOR TYPE |
|---|---|---|---|---|---|---|
| 214-025 | Exc | Orlando Ramirez | | Building 18 | ACM TSI | PAPR |
| 214-026 | PRS | Orlando Ramirez | | Throughout | Removal | PAPR |
| 214-027 | Exc | Luis Gomez | | Building 17 | ACM Glazing | Half Mask |
| 214-028 | PRS | Luis Gomez | | Building 17 | Caulk Removal | Half Mask |
| | | | | | | |
| | | | | | | |

Relinquished By: Jeff Schneider Date: 11-12-11

Received at Lab By: [signature] Date: 11/13/11

**PRECISION ENVIRONMENTAL CO**
5500 Old Brecksville Road Independence, Ohio 44131

**AIR SAMPLE FORM**

216-642-6060 FAX: 216-642-6041

Project Name: Standard Chlorine

Project #: 1105214

Analysis Requested
- [x] PCM- Asbestos
- [ ] TEM – Asbestos
- [ ] Lead-In Air

Turn Around Time
- [ ] Rush – Same Day
- [ ] Priority – 24 hour
- [ ] Regular – 48 hours

• Rush & Priority Apply to PCM Asbestos Only

## ANALYTICAL DATA

| SAMPLE ID | LAB ID | PUMP ID | DATE | START TIME | STOP TIME | FLOW RATE | DURATION (MINUTES) | VOLUME (LITERS) | RESULTS (FIBER/CC) |
|---|---|---|---|---|---|---|---|---|---|
| 214-029 | | PE01 | 11-14-11 | 10:00 | 10:30 | 2.0 | 30 | 60 | <0.0327 |
| 214-030 | | PE01 | 11-14-11 | 7:30 | 4:30 | 2.0 | 510 | 1020 | <0.0019 |
| 214-031 | | PE02 | 11-14-11 | 8:30 | 9:00 | 2.0 | 30 | 60 | <0.0327 |
| 214-032 | | PE02 | 11-14-11 | 7:30 | 4:30 | 2.0 | 510 | 1020 | <0.0019 |
| 214-033 | | PE01 | 11-15-11 | 11:30 | 12:00 | 2.0 | 30 | 60 | <0.0327 |
| 214-034 | | PE01 | 11-15-11 | 7:30 | 4:30 | 2.0 | 510 | 1020 | <0.0019 |

Sample Types: PRS= Personal, EXC=Excursion, PRM=Perimeter, BGD=Background, ENV=Environmental, FC=Final Clearance

## DESCRIPTIVE INFORMATION

| SAMPLE ID | SAMPLE TYPE | WORKER NAME | S. S. # | LOCATION | ACTIVITY | RESPIRATOR TYPE |
|---|---|---|---|---|---|---|
| 214-029 | Exc | Danilo Jordan | | Building 18 | Final clean | PAPR |
| 214-030 | PRS | Danilo Jordan | | Throughout | Final clean | PAPR |
| 214-031 | Exc | Luis Gomez | | Building 15 | Acm Transite | Half mask |
| 214-032 | PRS | Luis Gomez | | Building 15 | Removal | Half mask |
| 214-033 | Exc | Edgar Abarca | | Building 18 | Final Clean | PAPR |
| 214-034 | PRS | Edgar Abarca | | Throughout | Final Clean | PAPR |

Relinquished By: _____ Date: 11-18-11

Received at Lab By: _____ Date: 11 19 11

**PRECISION ENVIRONMENTAL CO**
5500 Old Brecksville Road Independence, Ohio 44131

**AIR SAMPLE FORM**

216-642-6040 FAX: 216-642-6041

Project Name: Standard Chlorine

Project # : 1105214

Analysis Requested
- [x] PCM- Asbestos
- [ ] TEM – Asbestos
- [ ] Lead-In Air

Turn Around Time
- [ ] Rush – Same Day
- [ ] Priority – 24 hour
- [ ] Regular – 48 hours

• Rush & Priority Apply to PCM Asbestos Only

## ANALYTICAL DATA

| SAMPLE ID | LAB ID | PUMP ID | DATE | START TIME | STOP TIME | FLOW RATE | DURATION (MINUTES) | VOLUME (LITERS) | RESULTS (FIBER/CC) |
|---|---|---|---|---|---|---|---|---|---|
| 214-035 | | PE02 | 11-15-11 | 8:30 | 9:00 | 2.0 | 30 | 60 | <0.0327 |
| 214-036 | | PE02 | 11-15-11 | 9:30 | 4:30 | 2.0 | 510 | 1020 | <0.0019 |
| 214-037 | | PE01 | 11-16-11 | 10:00 | 10:30 | 2.0 | 30 | 60 | 0.2125 |
| 214-038 | | PE01 | 11-16-11 | 7:30 | 4:30 | 2.0 | 510 | 1020 | 0.0115 |
| 214-039 | | PE01 | 11-17-11 | 11:00 | 11:30 | 2.0 | 30 | 60 | <0.0327 |
| 214-040 | | PE01 | 11-17-11 | 9:30 | 4:30 | 2.0 | 510 | 1020 | <0.0019 |

Sample Types: PRS= Personal, EXC=Excursion, PRM=Perimeter, BGD=Background, ENV=Environmental, FC=Final Clearance

## DESCRIPTIVE INFORMATION

| SAMPLE ID | SAMPLE TYPE | WORKER NAME | S. S. # | LOCATION | ACTIVITY | RESPIRATOR TYPE |
|---|---|---|---|---|---|---|
| 214-035 | Exc | Harry Beam | | Building 15 | ACM Transite | Half Mask |
| 214-036 | PRS | Harry Beam | | Building 15 | Removal | Half Mask |
| 214-037 | Exc | Ivan Banda | | Building 18 | Final Clean | PAPR |
| 214-038 | PRS | Ivan Banda | | Throughout | ACM TSI | PAPR |
| 214-039 | Exc | Danilo Jordan | | Building 18 | Final Clean | PAPR |
| 214-040 | PRS | Danilo Jordan | | Throughout | ACM TSI | PAPR |

Relinquished By: _____ Date: 11-18-11

Received at Lab By: _____ Date: 11 19.11

**PRECISION ENVIRONMENTAL CO**
5500 Old Brecksville Road Independence, Ohio 44131

**AIR SAMPLE FORM**

216-642-6040 FAX: 216-642-6041

Project Name: Standard Chlorine

Project # : 1105214

Analysis Requested
- [x] PCM- Asbestos
- [ ] TEM – Asbestos
- [ ] Lead-In Air

Turn Around Time
- [ ] Rush – Same Day
- [ ] Priority – 24 hour
- [ ] Regular – 48 hours

• Rush & Priority Apply to PCM Asbestos Only

## ANALYTICAL DATA

| SAMPLE ID | LAB ID | PUMP ID | DATE | START TIME | STOP TIME | FLOW RATE | DURATION (MINUTES) | VOLUME (LITERS) | RESULTS (FIBER/CC) |
|---|---|---|---|---|---|---|---|---|---|
| 214-041 | | PE01 | 11-18-11 | 9:00 | 9:30 | 2.0 | 30 | 60 | <0.0327 |
| 214-042 | | PE01 | 11-18-11 | 7:30 | 4:30 | 2.0 | 510 | 1020 | <0.0019 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Sample Types: PRS= Personal, EXC=Excursion, PRM=Perimeter, BGD=Background, ENV=Environmental, FC=Final Clearance

## DESCRIPTIVE INFORMATION

| SAMPLE ID | SAMPLE TYPE | WORKER NAME | S. S. # | LOCATION | ACTIVITY | RESPIRATOR TYPE |
|---|---|---|---|---|---|---|
| 214-041 | Exc | Orlando Ramirez | | Building 18 | Final Clean | PAPR |
| 214-042 | PRS | Orlando Ramirez | | Through out | ACM TSI | PAPR |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Relinquished By: _____ Date: 11-18-11

Received at Lab By: _____ Date: 11-19-11

**PRECISION ENVIRONMENTAL CO**

5500 Old Brecksville Road Independence, Ohio 44131

**AIR SAMPLE FORM**

216-642-6040 FAX: 216-642-6041

Project Name: Standard Chlorine

Project # : 1105214

Analysis Requested
- [x] PCM- Asbestos
- [ ] TEM – Asbestos
- [ ] Lead-In Air

Turn Around Time
- [ ] Rush – Same Day
- [ ] Priority – 24 hour
- [ ] Regular – 48 hours

• Rush & Priority Apply to PCM Asbestos Only

## ANALYTICAL DATA

| SAMPLE ID | LAB ID | PUMP ID | DATE | START TIME | STOP TIME | FLOW RATE | DURATION (MINUTES) | VOLUME (LITERS) | RESULTS (FIBER/CC) |
|---|---|---|---|---|---|---|---|---|---|
| 214-043 | | PE01 | 11-21-11 | 7:30 | 8:00 | 2.0 | 30 | 60 | <0.0327 |
| 214-044 | | PE01 | 11-21-11 | 8:00 | 3:00 | 2.0 | 390 | 780 | 0.0062 |
| 214-045 | | PE02 | 11-21-11 | 1:30 | 2:00 | 2.0 | 30 | 60 | <0.0327 |
| 214-046 | | PE02 | 11-21-11 | 2:00 | 5:00 | 2.0 | 180 | 360 | <0.0054 |
| 214-047 | | PE01 | 11-22-11 | 9:00 | 9:30 | 2.0 | 30 | 60 | <0.0327 |
| 214-048 | | PE01 | 11-22-11 | 7:30 | 4:30 | 2.0 | 510 | 1020 | <0.0019 |

Sample Types: PRS= Personal, EXC=Excursion, PRM=Perimeter, BGD=Background, ENV=Environmental, FC=Final Clearance

## DESCRIPTIVE INFORMATION

| SAMPLE ID | SAMPLE TYPE | WORKER NAME | S. S. # | LOCATION | ACTIVITY | RESPIRATOR TYPE |
|---|---|---|---|---|---|---|
| 214-043 | Exc | Ivan Banda | | Building 18 | Final Clean | PAPR |
| 214-044 | PRS | Ivan Banda | | Building 18 | Final Clean | PAPR |
| 214-045 | Exc | Hugh Walsh | | Building 15 | ACM Transit | Half Mask |
| 214-046 | PRS | Hugh Walsh | | Building 15 | Removal | Half Mask |
| 214-047 | Exc | Harry Beam | | Building 15 | ACM Transite | Half Mask |
| 214-048 | PRS | Harry Beam | | Building 15 | Removal | Half Mask |

Relinquished By: [signature] Date: 11-22-11

Received at Lab By: [signature] Date: 11-23-11

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: December 9, 2011
Analysis Date: December 9, 2011
Report Date: December 9, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/29/11

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-049 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 15<br>ACM Transite Removal | 60 | 0.057 |
| 214-050 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 15<br>ACM Transite Removal | 1080 | 0.005 |
| 214-051 | S.S.#: XXX-XX-XXX<br>Name: H. Walsh<br>Task: Building 18<br>ACM Transite Removal | 60 | <0.033 |
| 214-052 | S.S.#: XXX-XX-XXX<br>Name: H. Walsh<br>Task: Building 18<br>ACM Transite Removal | 1080 | 0.004 |

T. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: December 9, 2011
Analysis Date: December 9, 2011
Report Date: December 9, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 11/30/11

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT,F/CC |
|---|---|---|---|
| 214-053 | S.S.#: XXX-XX-XXX<br>Name: D. Jordan<br>Task: Building 15<br>ACM Transite Removal | 60 | 0.045 |
| 214-054 | S.S.#: XXX-XX-XXX<br>Name: D. Jordan<br>Task: Building 15<br>ACM Transite Removal | 1080 | 0.006 |
| 214-055 | S.S.#: XXX-XX-XXX<br>Name: L. Gomez<br>Task: Building 18<br>ACM Transite Removal | 60 | 0.074 |
| 214-056 | S.S.#: XXX-XX-XXX<br>Name: L. Gomez<br>Task: Building 18<br>ACM Transite Removal | 1080 | 0.008 |

T. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: December 9, 2011
Analysis Date: December 9, 2011
Report Date: December 9, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 12/01/11

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-057 | S.S.#: XXX-XX-XXX<br>Name: J. Schneider<br>Task: Building 15<br>ACM Transite Removal | 60 | 0.053 |
| 214-058 | S.S.#: XXX-XX-XXX<br>Name: J. Schneider<br>Task: Building 15<br>ACM Transite Removal | 1080 | 0.005 |
| 214-059 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 15<br>ACM Transite Removal | 60 | <0.033 |
| 214-060 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 15<br>ACM Transite Removal | 1080 | 0.008 |

T. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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*Environmental Management and Control*

Attn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: December 9, 2011
Analysis Date: December 9, 2011
Report Date: December 9, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 12/03/11

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 214-061 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 15<br>ACM Transite Removal | 60 | <0.033 |
| 214-062 | S.S.#: XXX-XX-XXX<br>Name: H. Beam<br>Task: Building 15<br>ACM Transite Removal | 1080 | 0.006 |

T. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: December 9, 2011
Analysis Date: December 9, 2011
Report Date: December 9, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 12/05/11

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT,F/CC |
|---|---|---|---|
| 214-063 | S.S.#: XXX-XX-XXX<br>Name: H. Walsh<br>Task: Building 18<br>ACM Transite Removal | 60 | <0.033 |
| 214-064 | S.S.#: XXX-XX-XXX<br>Name: H. Walsh<br>Task: Building 18<br>ACM Transite Removal | 1080 | 0.010 |

T. Geiger
Director

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64 Broad Street, Matawan, New Jersey 07747
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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131

Received: December 9, 2011
Analysis Date: December 9, 2011
Report Date: December 9, 2011
T.A.T.: 24 Hour

Project: 2011-136
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
PEC #: 1105214
OSHA Monitoring, 12/06/11

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT,F/CC |
|---|---|---|---|
| 214-065 | S.S.#: XXX-XX-XXX<br>Name: R. McCollum<br>Task: Building 18<br>ACM Transite Removal | 60 | 0.065 |
| 214-066 | S.S.#: XXX-XX-XXX<br>Name: R. McCollum<br>Task: Building 18<br>ACM Transite Removal | 1080 | 0.012 |

T. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**PRECISION ENVIRONMENTAL CO**

5500 Old Brecksville Road Independence, Ohio 44131

**AIR SAMPLE FORM**

216-642-6040 FAX: 216-642-6041

Project Name: Standard Chlorine

Project # : 1105214

Analysis Requested
- [x] PCM- Asbestos
- [ ] TEM – Asbestos
- [ ] Lead-In Air

Turn Around Time
- [ ] Rush – Same Day
- [x] Priority – 24 hour
- [ ] Regular – 48 hours

• Rush & Priority Apply to PCM Asbestos Only

## ANALYTICAL DATA

| SAMPLE ID | LAB ID | PUMP ID | DATE | START TIME | STOP TIME | FLOW RATE | DURATION (MINUTES) | VOLUME (LITERS) | RESULTS (FIBER/CC) |
|---|---|---|---|---|---|---|---|---|---|
| 214-049 | | PE 01 | 11-29-11 | 7:30 | 8:00 | 2.0 | 30 | 60 | |
| 214-050 | | PE 01 | 11-29-11 | 8:00 | 5:00 | 2.0 | 540 | 1080 | |
| 214-051 | | PE 02 | 11-29-11 | 7:30 | 8:00 | 2.0 | 30 | 60 | |
| 214-052 | | PE 02 | 11-29-11 | 8:00 | 5:00 | 2.0 | 540 | 1080 | |
| 214-053 | | PE 01 | 11-30-11 | 8:30 | 9:00 | 2.0 | 30 | 60 | |
| 214-054 | | PE 01 | 11-30-11 | 7:30 | 5:00 | 2.0 | 540 | 1080 | |

Sample Types: PRS= Personal, PRM=Perimeter, ENV=Environmental, EXC=Excursion, BGD=Background, FC=Final Clearance

## DESCRIPTIVE INFORMATION

| SAMPLE ID | SAMPLE TYPE | WORKER NAME | S. S. # | LOCATION | ACTIVITY | RESPIRATOR TYPE |
|---|---|---|---|---|---|---|
| 214-049 | Exc | Harry Beam | | Building 15 | ACM | Half Mask |
| 214-050 | PRS | Harry Beam | | Building 15 | Transite | Half Mask |
| 214-051 | Exc | Hugh Walsh | | Building 18 | Removal | " |
| 214-052 | PRS | Hugh Walsh | | Building 18 | " | " |
| 214-053 | Exc | Danillo Jordan | | Building 15 | " | " |
| 214-054 | PRS | Danillo Jordan | | Building 15 | " | " |

Relinquished By: Jeff [illegible] Date: 12-8-11

Received at Lab By: [illegible] Date: 12/9/11

**PRECISION ENVIRONMENTAL CO**
5500 Old Brecksville Road Independence, Ohio 44131

**AIR SAMPLE FORM**

216-642-6040 FAX: 216-642-6041

Project Name: Standard Chlorine

Project # : 1105214

Analysis Requested
- [x] PCM- Asbestos
- [ ] TEM – Asbestos
- [ ] Lead-In Air

Turn Around Time
- [ ] Rush – Same Day
- [x] Priority – 24 hour
- [ ] Regular – 48 hours

- Rush & Priority Apply to PCM Asbestos Only

## ANALYTICAL DATA

| SAMPLE ID | LAB ID | PUMP ID | DATE | START TIME | STOP TIME | FLOW RATE | DURATION (MINUTES) | VOLUME (LITERS) | RESULTS (FIBER/CC) |
|---|---|---|---|---|---|---|---|---|---|
| 214-055 | | PE02 | 11-30-11 | 8:30 | 9:00 | 2.0 | 30 | 60 | |
| 214-056 | | PE02 | 11-30-11 | 7:30 | 5:00 | 2.0 | 540 | 1080 | |
| 214-057 | | PE01 | 12-1-11 | 10:30 | 11:00 | 2.0 | 30 | 60 | |
| 214-058 | | PE01 | 12-1-11 | 7:30 | 5:00 | 2.0 | 540 | 1080 | |
| 214-059 | | PE02 | 12-2-11 | 10:00 | 10:30 | 2.0 | 30 | 60 | |
| 214-060 | | PE02 | 12-2-11 | 7:30 | 5:00 | 2.0 | 540 | 1080 | |

Sample Types: PRS= Personal, EXC=Excursion, PRM=Perimeter, BGD=Background, ENV=Environmental, FC=Final Clearance

## DESCRIPTIVE INFORMATION

| SAMPLE ID | SAMPLE TYPE | WORKER NAME | S. S. # | LOCATION | ACTIVITY | RESPIRATOR TYPE |
|---|---|---|---|---|---|---|
| 214-055 | Exc | Luis Gomez | | Building 18 | ACM | Half Mask |
| 214-056 | PRS | Luis Gomez | | Building 18 | Transite | Half Mask |
| 214-057 | Exc | Jeff Schneider | | Building 15 | Removal | " |
| 214-058 | PRS | Jeff Schneider | | Building 15 | " | " |
| 214-059 | Exc | Harry Beam | | Building 15 | " | " |
| 214-060 | PRS | Harry Beam | | Building 15 | " | " |

Relinquished By: Jeff Dock Date: 12-8-11

Received at Lab By: [illegible] Date: 12/9/11

**PRECISION ENVIRONMENTAL CO**
5500 Old Brecksville Road Independence, Ohio 44131

**AIR SAMPLE FORM**
216-642-6040 FAX: 216-642-6041

Project Name: Standard Chlorine
Project # : 1105 214

Analysis Requested
- [x] PCM- Asbestos
- [ ] TEM – Asbestos
- [ ] Lead-In Air

Turn Around Time
- [ ] Rush – Same Day
- [x] Priority – 24 hour
- [ ] Regular – 48 hours

• Rush & Priority Apply to PCM Asbestos Only

## ANALYTICAL DATA

| SAMPLE ID | LAB ID | PUMP ID | DATE | START TIME | STOP TIME | FLOW RATE | DURATION (MINUTES) | VOLUME (LITERS) | RESULTS (FIBER/CC) |
|---|---|---|---|---|---|---|---|---|---|
| 214-061 | | PE01 | 12-3-11 | 9:00 | 9:30 | 2.0 | 30 | 60 | |
| 214-062 | | PE01 | 12-3-11 | 7:30 | 5:00 | 2.0 | 540 | 1080 | |
| 214-063 | | PE01 | 12-5-11 | 1:30 | 2:00 | 2.0 | 36 | 60 | |
| 214-064 | | PE01 | 12-5-11 | 7:30 | 5:00 | 2.0 | 540 | 1080 | |
| 214-065 | | PE01 | 12-6-11 | 8:00 | 8:30 | 2.0 | 30 | 60 | |
| 214-066 | | PE01 | 12-6-11 | 7:30 | 5:00 | 2.0 | 540 | 1080 | |

Sample Types: PRS= Personal, EXC=Excursion, PRM=Perimeter, BGD=Background, ENV=Environmental, FC=Final Clearance

## DESCRIPTIVE INFORMATION

| SAMPLE ID | SAMPLE TYPE | WORKER NAME | S. S. # | LOCATION | ACTIVITY | RESPIRATOR TYPE |
|---|---|---|---|---|---|---|
| 214-061 | Exc | Harry Beam | | Building 15 | ACM | Half Mask |
| 214-062 | PRS | Harry Beam | | Building 15 | Transite | Half Mask |
| 214-063 | Exc | Hugh Walsh | | Building 18 | Removal | " |
| 214-064 | PRS | Hugh Walsh | | Building 18 | " | " |
| 214-065 | Exc | Richie McCollum | | Building 18 | " | " |
| 214-066 | PRS | Richie McCollum | | Building 18 | " | " |

Relinquished By: [signature] Date: 12-8-11

Received at Lab By: [signature] Date: 12/9/11

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## LETTER OF TRANSMITTAL

TO: Teresa M. Royek, P.G.
Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

DATE: February 13, 2012
JOB NO. ETI # 2011-116
ATTN: Teresa M. Royek, P.G.
RE: Standard Chlorine Chemical Co.

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop Drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ Test Results ☒ Report ☐ Proposal ☐ Invoice

| Copies | Date | No. | Description |
|---|---|---|---|
| 2 | I2-12-11 | P.O. | Standard Chlorine Chemical Co, Inc. Site<br>Track 2 – Buildings 15, 17, 18 & 21 Asbestos Abatement & Building Demolition<br>Third Party Project Monitoring Final Report. |

THESE ARE TRANSMITTED as checked below:

☐ for approval ☐ Approved as submitted ☐ Resubmit __ for approval ☐ for review and comment

☒ for your use ☐ Approved as noted ☐ Submit __ copies for distribution ☐ Prints returned after loan to us

☐ as requested ☐ Returned for corrections ☐ Return __ corrected prints

☐ _____ ☐ FOR BIDS DUE _____ 2012

COMMENTS:

COPY TO _____ SIGNED _____

Thomas P. Geiger - President

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

February 13, 2012

Teresa M. Royek, P.G.
Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Re: Third Party Project Monitoring Services
Track 1 – Buildings 15, 17, 18 & 21 Asbestos Abatement & Demolition
Standard Chlorine Chemical Co., Inc. (SCCC) Site
Kearny, Hudson County, New Jersey

Dear Ms. Royek:

The above referenced project was completed on December 8, 2011 in accordance with the Demolition Remedial Action Work Plan (DRAWP) dated August 13, 2010, the project requirements and all applicable regulations. Environmental Tactics, Inc. was on-site for the duration of the project to perform QA/QC monitoring and project management. Environmental Tactics, Inc. has completed the final air tests with satisfactory results. Enclosed are two (2) copies of the final report, which includes the project notifications, daily, and post sampling reports, and pertinent contractor documentation for your use.

If you require any additional information regarding this matter or have any further questions, please do not hesitate to contact my office at (732) 290-2217.

Respectfully submitted,

**ENVIRONMENTAL TACTICS, INC.**

Thomas P. Geiger
President

Enclosure

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

**ASBESTOS REMEDIATION REPORT**

AT

STANDARD CHLORINE CHEMICAL COMPANY, INC. SITE
1015-35 BELLEVILLE TURNPIKE
KEARNY, NJ 07302

BUILDINGS 15, 17, 18 AND 21
ASBESTOS REMEDIATION PROJECT

PREPARED FOR

KEY ENVIRONMENTAL. INC.
200 THIRD AVENUE
CARNEGIE, PA 15106

SUBCONTRACT AGREEMENT: 09-13-2010
ETI #: 2011-116

PREPARED BY

ENVIRONMENTAL TACTICS, INC.
64 BROAD STREET
MATAWAN, NEW JERSEY 07747

DATE: December 12, 2011

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

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IX. ASCM FIRM & AST DOCUMENTATION

X. WASTE MANIFESTS

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# PROJECT SUMMARY

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

| | |
|---|---|
| Subject: | Safety Monitoring of Asbestos Hazard Abatement Project |
| Method: | NJAC 5:23 - Asbestos Hazard Sub-code |
| Project Number: | Environmental Tactics, Inc. 2011-116 |
| Project Dates: | October 11, 2011 thru December 12, 2011 |
| Project Location: | Standard Chlorine Chemical Company Site<br>1015-35 Belleville Turnpike<br>Buildings 15, 17, 18 & 21<br>Kearny, NJ 07302 |
| Contractor: | Precision Environmental Co.<br>5500 Old Brecksville Road<br>Independence, Ohio 44131 |
| License No.: | 01143 |
| Inspections: | None |
| Asbestos Safety Technicians: | T. Geiger #00839<br>R. Uribe #: 01063 |
| Asbestos Safety Control Monitor: | Environmental Tactics, Inc.<br>64 Broad Street<br>Matawan, NJ 07747<br>(732) 290-2217 |
| ASCM License Number: | 00045 |
| Owner's Testing Laboratory: | Environmental Tactics, Inc.<br>64 Broad Street<br>Matawan, NJ 07747 |
| IHPAT #: | 100215 |
| EPA Lab ID: | NJ01169 |

# OBJECTIVES

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

**ENVIRONMENTAL TACTICS, INC.**

# STANDARD CHLORINE CHEMICAL COMPANY SITE
# BUILDINGS 15, 17, 18 AND 21
# ASBESTOS REMEDIATION PROJECT
# KEARNY, NJ

Objectives: Chemtron Corp. contracted with Precision Environmental Co. to provide for asbestos remediation (stabilization, abatement, and disposal) services in support of the demolition of buildings 15, 17, 18 and 21 of the Standard Chlorine Chemical Company, Inc. site located in Kearny, New Jersey.

Key Environmental, Inc. retained the services of Environmental Tactics, Inc. to provide Third Party project Monitoring Services during the asbestos remediation phase. The project was performed by Pinnacle Environmental Corp. utilizing approved remediation procedures. Environmental Tactics, Inc. technicians were on site for the entire project to perform QA/QC monitoring and project management. All asbestos waste generated was disposed of in accordance with the Demolition Remedial Action Work Plan (DRAWP) and all applicable regulations.

Scope of Work:

**Building #15**

| | |
|---|---|
| Exterior Transite Panels: | 56,000 SF |
| Exterior Window Glazing/Caulking: | 24- 7x7 SF |

**Building #17**

| | |
|---|---|
| Exterior Transite Panels: | 480 SF |
| Exterior Window Glazing: | 17- 5x4 SF |

**Building #18**

| | |
|---|---|
| Exterior Window Glazing/Caulking: | 5 8- 5x4 SF |
| Exterior Transite Panels: | 32,000 SF |
| Pipe Insulation: (floors 5-7) | 2,000 LF |
| Tank Body Insulation: (6$^{th}$ floor) | 5,000 SF |
| (2-layer) Tank Insulation: (1$^{st}$ floor) | 1,500 SF |
| Pipe Insulation: | 3,000 LF |

**Building #21**

| | |
|---|---|
| Exterior Transite Panels: | 6,500 SF |

64 Broad Street, Matawan, New Jersey 07747
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Toll Free: 1-888-ENV-TACT

# OBSERVATIONS

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# STANDARD CHLORINE CHEMICAL COMPANY SITE
# BUILDINGS 15, 17, 18 AND 21
# ASBESTOS REMEDIATION PROJECT
# KEARNY, NJ

Observations:

Environmental Tactics, Inc. provided an experienced Asbestos Safety Technician on site for the duration of the project. These services were provided on October 11, 2011 thru December 8, 2011. The AST observed proper work practices throughout the entire project.

Air sample collection and analysis was conducted by Environmental Tactics, Inc. throughout the project. The purpose was to document the effectiveness of the contractors efforts at confining asbestos to the work zone. Our program included air sampling and analysis by Phase Contrast Microscopy (NIOSH Method #7400).

All sampling trains were pre and post calibrated for flow-rate in field utilizing hand held Dwyer Rotometers. These in turn are calibrated against a primary standard in the laboratory.

Based upon our on site observations as well as air quality monitoring data, the contractor carried out the work using acceptable procedures and work practices. At no time during this project did fiber counts exceed 0.010 F/CC in the occupied locations adjacent to work areas.
Attached are the Certificates of Analysis for all daily monitoring indicating acceptable air quality throughout the project.

All abatement operations, monitoring and inspection services were subject to the requirements of the project specifications and all applicable regulations. Waste material has been packaged and disposed of in accordance with New Jersey Department of Environmental Protection and Energy requirements specified in N.J.A.C. 7:26 and 40 CFR Part 61, Subpart M).

During the project the contractor cooperated with the AST's suggestions. All the work and any modifications directed by the AST were carried out without delay and in a diligent manner. See attached daily log sheets for daily activities.

# NOTIFICATIONS & PERMITS

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# U.S. EPA NOTIFICATION OF DEMOLITION AND RENOVATION



| Operator Project # | Postmark | Date Received | Notification # |
|---|---|---|---|
| | | | |

**I. Type of Notification** (check one): ☑ Original ☐ Revised ☐ Canceled

**II. Facility Description**

Building Name: Standard Chlorine Chemical Co

Address: 1015-1035 Belleville Turnpike

City: Kearney State: NJ Zip Code: 07302 County: Hudson

Site Location: See attached

Building Size (square feet): See attached # of Floors: See Attached Age in Years: 50+

Present Use: Chemical plant Prior Use: Chemical plant

**III. Type of Operation** (check one): ☑ Demo ☐ Ordered Demo ☐ Renovation ☐ Emergency Renovation ☐ Fire Training

**IV. Is Asbestos Present?** (check one): ☐ Yes ☑ No

**V. Facility Information**

**Owner Name:** Town of Kearny

Address: 402 Kearny Avenue

City: Kearny State: NJ Zip Code: 07032

Contact: Michael Martello Telephone: (201) 955-7400 Fax: unknown

**Removal Contractor Name:**

Address:

City: State: Zip Code:

Contact: Telephone: ( ) Fax:

**Other Operator (demolition/general):** Precision Environmental Co

Address: 5500 Old Brecksville Rd

City: Independence State: Ohio Zip Code: 44131

Contact: John Savage Telephone: (216) 642-6040 Fax: 216-642-6041

**VI. Procedure, including analytical methods, employed to detect the presence of and to estimate the quantity of RACM and Category I and Category II non-friable ACM:**

Polarized light microscopy

**VII. Approximate Amount of Asbestos Materials:**

| SEE ATTACHED | RACM to be Removed | Non-friable Asbestos Material to be Removed | | Non-friable Asbestos Material NOT to be Removed | |
|---|---|---|---|---|---|
| | | Category I | Category II | Category I | Category II |
| Pipes (linear feet) | | | | | |
| Surface Area (square feet) | | | | | |
| Facility Components (cubic feet) | | | | | |

**VIII. Scheduled Dates Demolition or Renovation:** Start: 11-09-11 Complete: 11-22-11

**IX. Dates for Asbestos Removal** (MM/DD/YY) Start: Complete:

| Days of the Week: | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |
|---|---|---|---|---|---|---|---|
| Hours of Operation: | | | | | | | |

# U.S. EPA NOTIFICATION OF DEMOLITION AND RENOVATION



**X.** **Description of planned Demolition or Renovation work to be performed and method(s) to be employed, including demolition or renovation techniques to be used and description of affected facility components:**

Buildings to be razed utilizend standard wet emthod demolition techniques

**XI.** **Description of work practices and engineering controls to be used to comply with the requirements, including asbestos removal and waste handling emission control procedures:**

In conjunction with the above referenced procedures, the following shall be] utilized: HEPA vacs, amended water, waste double bagged for disposal, negative air

**XII.** **Waste Transporter #1**

Name: Freehold Cartage

Address: PO Box 5010

City: Freehold State: NJ Zip Code: 07728

Contact: Telephone: ( 732-462-1001

**Waste Transporter #2**

Name:

Address:

City: State: Zip Code:

Contact: Telephone: ( )

**XIII.** **Waste Disposal**

Name: Envirosafe Services of Ohio

Address: 876 Otter Creek Rd

City: Oregon State: Ohio Zip Code: 43616

Contact: Lisa Humphrey Telephone: (419-698-3500

**XIV.** **Emergency Demolition** (complete Item XIV only if this project is an Emergency Demo.)

1. Attach a copy of the Order to this notice.
2. Name of Authority Issuing Order: Title:
3. Authority of Order (Citation of Code):
4. Date of Order (MM/DD/YY): Date Ordered to Begin

**XV.** **Emergency Renovation** (Attach separate sheet with the following information if project is Emergency Renovation.)

1. Date and Hour of the Emergency:
2. Description of the Sudden, Unexpected Event:
3. Explanation of how the event caused unsafe conditions or equipment damage or an unreasonable financial burden.

**XVI.** **Description of procedures to be followed in the event that unexpected RACM is found or non-friable ACM becomes crumbled, pulverized, or reduced to powder.**

Stop work,demarcate area,beginwetting asbestos containing material with amended water while wearing PPE, notify local agencies as required

**XVII.** **I certify that an individual trained in the provisions of NESHAP (40 CFR PART 61, SUBPART M) will be on-site during the Demolition or Renovation, and evidence that the required training has been accomplished by this person will be available duriog normal business hours.**

| John Savage | 10-26-11 | John Savage, VP |
|---|---|---|
| **Signature of Owner/Operator** | **Date** | **Type or Print Name and Title** |

**XVIII.** **I acknowledge the existence of laws prohibiting the submission of false or misleading statements, and I certify that facts contained in this notification are true, accurate, and complete.**

| John Savage | 10-26-11 | JOhn Savage, VP |
|---|---|---|
| **Signature of Owner/Operator** | **Date** | **Type or Print Name and Title** |

**Building 15**
*6300 sf*
*1 floor*
*50+ years*

**Building 17**
*1800 sf*
*1 floor*
*50+ years*

**Building 18**
*1750 sf*
*1 floor*
*50+ years*

**Building 21**
*1500 sf*
*2 floors*
*50+ years*

# U.S. EPA NOTIFICATION OF DEMOLITION AND RENOVATION



| Operator Project # | Postmark | Date Received | Notification # |
|---|---|---|---|
| | | | |

**I. Type of Notification** (check one): ☐ Original ☒ Revised ☐ Canceled

**II. Facility Description**

Building Name: Standard Chlorine Chemical Co

Address: 1015-1035 Belleville Turnpike

City: Kearney State: NJ Zip Code: 07302 County: Hudson

Site Location: See attached

Building Size (square feet): See attached # of Floors: See Attached Age in Years: 50+

Present Use: Chemical plant Prior Use: Chemical plant

**III.** Type of Operation (check one): ☑ Demo ☐ Ordered Demo ☐ Renovation ☐ Emergency Renovation ☐ Fire Training

**IV.** Is Asbestos Present? (check one): ☐ Yes ☑ No

**V. Facility Information**

Owner Name: Town of Kearny

Address: 402 Kearny Avenue

City: Kearny State: NJ Zip Code: 07032

Contact: Michael Martello Telephone: (201) 955-7400 Fax: unknown

Removal Contractor Name:

Address:

City: State: Zip Code:

Contact: Telephone: ( ) Fax:

Other Operator (demolition/general): Precision Environmental Co

Address: 5500 Old Brecksville Rd

City: Independence State: Ohio Zip Code: 44131

Contact: John Savage Telephone: (216) 642-6040 Fax: 216-642-6041

**VI. Procedure, including analytical methods, employed to detect the presence of and to estimate the quantity of RACM and Category I and Category II non-friable ACM:**

Polarized light microscopy

**VII. Approximate Amount of Asbestos Materials:**

| SEE ATTACHED | RACM to be Removed | Non-friable Asbestos Material to be Removed | | Non-friable Asbestos Material NOT to be Removed | |
|---|---|---|---|---|---|
| | | Category I | Category II | Category I | Category II |
| Pipes (linear feet) | | | | | |
| Surface Area (square feet) | | | | | |
| Facility Components (cubic feet) | | | | | |

**VIII. Scheduled Dates Demolition or Renovation:** Start: 11-09-11 Complete: 01-31-12

**IX. Dates for Asbestos Removal** (MM/DD/YY) Start: Complete:

| Days of the Week: | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |
|---|---|---|---|---|---|---|---|
| Hours of Operation: | | | | | | | |

# U.S. EPA NOTIFICATION OF DEMOLITION AND RENOVATION



**X.** Description of planned Demolition or Renovation work to be performed and method(s) to be employed, including demolition or renovation techniques to be used and description of affected facility component s:

Buildings to be razed utilizend standard wet emthod demolition techniques

**XI.** Description of work practices and engineering controls to be used to comply with the requirements, including asbestos removal and waste handling emission control procedures:

In conjunction with the above referenced procedures, the following shall be] utilized: HEPA vacs, amended water, waste double bagged for disposal, negative air

**XII.** Waste Transporter #1

Name: Freehold Cartage

Address: PO Box 5010

City: Freehold State: NJ Zip Code: 07728

Contact: Telephone: (732-462-1001

Waste Transporter #2

Name:

Address:

City: State: Zip Code:

Contact: Telephone: ( )

**XIII.** Waste Disposal

Name: Envirosafe Services of Ohio

Address: 876 Otter Creek Rd

City: Oregon State: Ohio Zip Code: 43616

Contact: Lisa Humphrey Telephone: (419-698-3500

**XIV.** Emergency Demolition (complete Item XIV only if this project is an Emergency Demo.)

1. Attach a copy of the Order to this notice.
2. Name of Authority Issuing Order: Title:
3. Authority of Order (Citation of Code):
4. Date of Order (MM/DD/YY): Date Ordered to Begin

**XV.** Emergency Renovation (Attach separate sheet with the following information if project is Emergency Renovation.)

1. Date and Hour of the Emergency:
2. Description of the Sudden, Unexpected Event:
3. Explanation of how the event caused unsafe conditions or equipment damage or an unreasonable financial burden.

**XVI.** Description of procedures to be followed in the event that unexpected RACM is found or non-friable ACM becomes crumbled, pulverized, or reduced to powder.

Stop work,demarcate area,beginwetting asbestos containing material with amended water while wearing PPE, notify local agencies as required

**XVII.** I certify that an individual trained in the provisions of NESHAP (40 CFR PART 61, SUBPART M) will be on-site during the Demolition or Renovation, and evidence that the required training has been accomplished by this person will be available during normal business hours.

John Savage — Signature of Owner/Operator | 11-18-11 — Date | John Savage, VP — Type or Print Name and Title

**XVIII.** I acknowledge the existence of laws prohibiting the submission of false or misleading statements, and I certify that facts contained in this notification are true, accurate, and complete.

John Savage — Signature of Owner/Operator | 11-18-11 — Date | John Savage, VP — Type or Print Name and Title

**Building 15**
*6300 sf*
*1 floor*
*50+ years*

**Building 17**
*1800 sf*
*1 floor*
*50+ years*

**Building 18**
*1750 sf*
*1 floor*
*50+ years*

**Building 21**
*1500 sf*
*2 floors*
*50+ years*

State of New Jersey
NOTIFICATION OF ASBESTOS ABATEMENT
(Pursuant to NJAC 8:60 and 12:120)

| | |
|---|---|
| Date of Notification (1): 09-22-11 | Name of Building Owner/Operator (2): Envirosafe Services of Ohio |
| Agencies Notified: ☒ EPA ☐ DEP ☒ DOL ☒ DOH ☐ DCA | Type Notification: ☒ Initial ☐ Amended Amendment #____ ☐ Emergency (including justification) ☐ Cancellation |
| | Street Address: 876 Otter Creek Road |
| | City, State, Zip Code: Oregon, Ohio 43616 |
| | Name of Contact: Lisa Humphrey — Telephone Number: 800-537-0426 X 226 |

FACILITY INFORMATION

| | |
|---|---|
| Name of Facility Where Abatement is Taking Place (3): Standard Chlorine Chemical Co. | Type of Facility (4): ☐ School (K-12) ☐ Subchapter 8 (Other than K-12) ☒ Other (i.e. private & commercial buildings, homes, etc.) |
| Street Address: 1015-1035 Belleville Turnpike | |
| City (5): Kearney | Square Feet: See attached — # of Floors: see attached — Bldg. Age: 50+ |
| County (6): Hudson — County Code (7) (STATE USE ONLY) ____ | Current Use (Prior if being demolished): Chemical plant |
| Name of Monitoring Firm Hired by Building Owner (8): Omega Environmental Services, Inc — ASCM No.: N/A | Name of Abatement Contractor (9): Precision Environmental Co. |
| Street Address: 280 Huyler Street | Street Address: 5500 Old Brecksville Rd |
| City, State, Zip Code: South Hackensack, New Jersey 07606 | City, State, Zip Code: Independence, Ohio 44131 |
| Project Manager for Monitoring Firm: Geiser Fajardo — Telephone No.: 201-480-8700 | Telephone No.: 216-642-6040 — License No.: 01143 |
| Start Date (10): 10-10-11 — Scheduled Completion Date (11): 11-18-11 | Name of OSHA Monitor: Geiser Fajardo, Omega Environmental Serices, Inc |
| Occupancy Status During Abatement (Check Only One): ☒ Facility Closed/Vacated During Entire Period of Abatement ☐ Abatement Performed Outside of Normal Facility Hours ☐ Other – Describe: ____ | Street Address: 280 Huyler Street<br>City, State, Zip Code: S. Hackensack, NJ 07606 |

Scope of Work (Check All That Apply)

☐ ≥3 sf or ≥3 lf
☐ ≥160 sf or ≥260 lf
☐ Renovation
☒ Demolition
☒ Full Containment with Negative Pressure
☒ Mini-Enclosure
☒ Glovebag Procedure
☒ Non-Exempted (*) and Non-Friable Procedure

| Location of Asbestos-Containing Material (ACM) TO BE ABATED In Facility (13) | Is Location Normally Used Solely by Maintenance/ Custodial Staff? (12) Yes | No | N/A | Description of Asbestos Containing Material (ACM) (i.e. thermal systems insulation, surfacing, VAT, or other miscellaneous) | Amount (Specify SF or LF) | Abatement Type: Removal | Repair | Encapsulate | Enclosure |
|---|---|---|---|---|---|---|---|---|---|
| See attached | | X | | See attached | See attached | X | | | |
| | | | | | | | | | |
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| | | | | | | | | | |

| | | | |
|---|---|---|---|
| Name of Registered Waste Hauler: Freehold Cartage | NJDEP Waste Hauler ID No.: NJD054126164 | Cubic Yards of Waste: 974 | Name of Registered Landfill: Envirosafe Services of Ohio |
| City, State: Freehold, New Jersey | | Disposal Date: 10-10/11-18-11 | City, State: Oregon, Ohio |

| Completed by | Title | Signature | Date |
|---|---|---|---|
| John E. Savage | Vice President | John E Savage | 09-22-11 |

ASB-41 (R-06-08)

Do not use this form for asbestos licensure exempted activities.

| | Location | Material Description | Quantity |
|---|---|---|---|
| **Building 15** | | | |
| *6300 sf* | | | |
| *1 floor* | Window | Caulking/Glazing | 24- 7x7 sf |
| *50+ years* | Bulding Exterior | Transite | 56,000 sf |
| **Building 17** | | | |
| *1800 sf* | | | |
| *1 floor* | Window | Glazing | 17-5x4 sf |
| *50+ years* | Meter Room | Transite | 480 sf |
| **Building 18** | | | |
| *1750 sf* | | | |
| *1 floor* | Window | Caulking/Glazing | 58-5x4 sf |
| *50+ years* | Exterior Siding | Transite Panels | 32000 sf |
| | 5th-7th Floor Throughout | Pipe Insulation | 2000 lf |
| | 6th Floor | Tank Body Insulation | 5000 sf |
| | 1st Floor | (2-layer) tank insulation | 1500 sf |
| | | Pipe Insulation | 3000 lf |
| **Building 21** | Building Exterior | Transite Shingles | 6500 sf |
| *1500 sf* | | | |
| *2 floors* | | | |
| *50+ years* | | | |

State of New Jersey
**NOTIFICATION OF ASBESTOS ABATEMENT**
(Pursuant to NJAC 8:60 and 12:120)

| | |
|---|---|
| Date of Notification (1): 9-22-11 (1) 9-26-11 | Name of Building Owner/Operator (2): Standard Chlorine Chemical Co., Inc |
| Agencies Notified: ☒ EPA ☐ DEP ☒ DOL ☒ DOH ☐ DCA | Type Notification: ☐ Initial ☒ Amended Amendment # 1 ☐ Emergency (including justification) ☐ Cancellation |
| | Street Address: 1025-1035 Belleville Turnpike |
| | City, State, Zip Code: Kearney, NJ 07302 |
| | Name of Contact: Margaret Kelly — Telephone Number: 201-997-1000 |

**FACILITY INFORMATION**

| | |
|---|---|
| Name of Facility Where Abatement is Taking Place (3): Standard Chlorine Chemical Co. | Type of Facility (4): ☐ School (K-12) ☐ Subchapter 8 (Other than K-12) ☒ Other (i.e. private & commercial buildings, homes, etc.) |
| Street Address: 1015-1035 Belleville Turnpike | |
| City (5): Kearney | Square Feet: See attached — # of Floors: see attached — Bldg. Age: 50+ |
| County (6): Hudson — County Code (7) (STATE USE ONLY) _____ | Current Use (Prior if being demolished): Chemical plant |
| Name of Monitoring Firm Hired by Building Owner (8): Environmental Tactics, Inc. — ASCM No.: 0045 | Name of Abatement Contractor (9): Precision Environmental Co. |
| Street Address: 64 Broad Street | Street Address: 5500 Old Brecksville Rd |
| City, State, Zip Code: Matawan, NJ 07747 | City, State, Zip Code: Independence, Ohio 44131 |
| Project Manager for Monitoring Firm: Thomas P. Geiger — Telephone No.: 732-290-2217 | Telephone No.: 216-642-6040 — License No.: 01143 |
| Start Date (10): 10-10-11 — Scheduled Completion Date (11): 11-18-11 | Name of OSHA Monitor: Environmental Tactics, Inc |
| Occupancy Status During Abatement (Check Only One): ☒ Facility Closed/Vacated During Entire Period of Abatement ☐ Abatement Performed Outside of Normal Facility Hours ☐ Other – Describe: _____ | Street Address: 64 Broad Street — City, State, Zip Code: Matawan, NJ 07747 |

Scope of Work (Check All That Apply)

☐ ≥3 sf or ≥3 lf
☒ ≥160 sf or ≥260 lf

☐ Renovation
☒ Demolition

☒ Full Containment with Negative Pressure
☒ Mini-Enclosure
☒ Glovebag Procedure
☒ Non-Exempted (*) and Non-Friable Procedure

| Location of Asbestos-Containing Material (ACM) TO BE ABATED In Facility (13) | Is Location Normally Used Solely by Maintenance/ Custodial Staff? (12) Yes | No | N/A | Description of Asbestos Containing Material (ACM) (i.e. thermal systems insulation, surfacing, VAT, or other miscellaneous) | Amount (Specify SF or LF) | Abatement Type: Removal | Repair | Encapsulate | Enclosure |
|---|---|---|---|---|---|---|---|---|---|
| See attached | | X | | See attached | See attached | X | | | |
| | | | | | | | | | |
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| | | | |
|---|---|---|---|
| Name of Registered Waste Hauler: Freehold Cartage | NJDEP Waste Hauler ID No.: NJD054126164 | Cubic Yards of Waste: 974 | Name of Registered Landfill: Envirosafe Services of Ohio |
| City, State: Freehold, New Jersey | | Disposal Date: 10-10/11-18-11 | City, State: Oregon, Ohio |

| Completed by | Title | Signature | Date |
|---|---|---|---|
| John E. Savage | Vice President | John E Savage | 09-26-11 |

ASB-41 (R-06-08)

Do not use this form for asbestos licensure exempted activities.

State of New Jersey
**NOTIFICATION OF ASBESTOS ABATEMENT**
(Pursuant to NJAC 8:60 and 12:120)

| | |
|---|---|
| Date of Notification (1): 9-22-11 (1) 9-26-11(2)10-03-11 | Name of Building Owner/Operator (2): Town of Kearny |
| Agencies Notified: ☒ EPA ☐ DEP ☒ DOL ☒ DOH ☐ DCA | Type Notification: ☐ Initial ☒ Amended Amendment #2 ☐ Emergency (including justification) ☐ Cancellation |
| | Street Address: 402 Kearny Avenue |
| | City, State, Zip Code: Kearney, NJ 07032 |
| | Name of Contact: Michael Martello — Telephone Number: 201-955-7400 |

**FACILITY INFORMATION**

| | |
|---|---|
| Name of Facility Where Abatement is Taking Place (3): Standard Chlorine Chemical Co. | Type of Facility (4): ☐ School (K-12) ☐ Subchapter 8 (Other than K-12) ☒ Other (i.e. private & commercial buildings, homes, etc.) |
| Street Address: 1015-1035 Belleville Turnpike | |
| City (5): Kearney | Square Feet: See attached — # of Floors: see attached — Bldg. Age: 50+ |
| County (6): Hudson — County Code (7) (STATE USE ONLY) ____ | Current Use (Prior if being demolished): Chemical plant |
| Name of Monitoring Firm Hired by Building Owner (8): Environmental Tactics, Inc. — ASCM No.: 0045 | Name of Abatement Contractor (9): Precision Environmental Co. |
| Street Address: 64 Broad Street | Street Address: 5500 Old Brecksville Rd |
| City, State, Zip Code: Matawan, NJ 07747 | City, State, Zip Code: Independence, Ohio 44131 |
| Project Manager for Monitoring Firm: Thomas P. Geiger — Telephone No.: 732-290-2217 | Telephone No.: 216-642-6040 — License No.: 01143 |
| Start Date (10): 10-11-11 — Scheduled Completion Date (11): 11-18-11 | Name of OSHA Monitor: Environmental Tactics, Inc |
| Occupancy Status During Abatement (Check Only One): ☒ Facility Closed/Vacated During Entire Period of Abatement ☐ Abatement Performed Outside of Normal Facility Hours ☐ Other – Describe: ____ | Street Address: 64 Broad Street — City, State, Zip Code: Matawan, NJ 07747 |

Scope of Work (Check All That Apply)

☐ ≥3 sf or ≥3 lf ☒ ≥160 sf or ≥260 lf ☐ Renovation ☒ Demolition ☒ Full Containment with Negative Pressure ☒ Mini-Enclosure ☒ Glovebag Procedure ☒ Non-Exempted (*) and Non-Friable Procedure

| Location of Asbestos-Containing Material (ACM) TO BE ABATED In Facility (13) | Is Location Normally Used Solely by Maintenance/ Custodial Staff? (12) Yes | No | N/A | Description of Asbestos Containing Material (ACM) (i.e. thermal systems insulation, surfacing, VAT, or other miscellaneous) | Amount (Specify SF or LF) | Abatement Type: Removal | Repair | Encapsulate | Enclosure |
|---|---|---|---|---|---|---|---|---|---|
| See attached | | X | | See attached | See attached | X | | | |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | |
|---|---|---|---|
| Name of Registered Waste Hauler: Freehold Cartage | NJDEP Waste Hauler ID No.: NJD054126164 | Cubic Yards of Waste: 974 | Name of Registered Landfill: Envirosafe Services of Ohio |
| City, State: Freehold, New Jersey | | Disposal Date: 10-10/11-18-11 | City, State: Oregon, Ohio |
| Completed by: John E. Savage | Title: Vice President | Signature: John E Savage | Date: 10-03-11 |

ASB-41 (R-08-08)

Do not use this form for asbestos licensure exempted activities.

Asbestos Abatement Work Schedule Standard Chlorine Chemical

| | |
|---|---|
| Oct 11 thru 15th | 7:00a-5:30p |
| Oct 17 thru 20th | 7:00a-5:30p |
| Oct 25 thru 29th | 7:00a-5:30p |
| Oct 31 thru Nov 3rd | 7:00a-5:30p |
| Nov 8 thru 12th | 7:00a-5:30p |
| Nov 14 thru 18th | 7:00a-5:30p |

State of New Jersey
**NOTIFICATION OF ASBESTOS ABATEMENT**
(Pursuant to NJAC 8:60 and 12:120)

| | |
|---|---|
| Date of Notification (1) 9-22-11<br>(1) 9-26-11 (2) 10-3-11 (3) 10-6-11 | Name of Building Owner/Operator (2)<br>Town of Kearny |
| Agencies Notified: ☒ EPA ☐ DEP ☒ DOL ☒ DOH ☐ DCA<br>Type Notification: ☐ Initial ☒ Amended Amendment #: 3 ☐ Emergency (including justification) ☐ Cancellation | Street Address: 402 Kearny Avenue<br>City, State, Zip Code: Kearney, NJ 07032<br>Name of Contact: Michael Martello<br>Telephone Number: 201-955-7400 |

**FACILITY INFORMATION**

| | |
|---|---|
| Name of Facility Where Abatement is Taking Place (3): Standard Chlorine Chemical Co. | Type of Facility (4): ☐ School (K-12) ☐ Subchapter 8 (Other than K-12) ☒ Other (i.e. private & commercial buildings, homes, etc.) |
| Street Address: 1015-1035 Belleville Turnpike | |
| City (5): Kearney | Square Feet: See attached; # of Floors: see attached; Bldg. Age: 50+ |
| County (6): Hudson; County Code (7) (STATE USE ONLY) | Current Use (Prior if being demolished): Chemical plant |
| Name of Monitoring Firm Hired by Building Owner (8): Environmental Tactics, Inc.; ASCM No.: 0045 | Name of Abatement Contractor (9): Precision Environmental Co. |
| Street Address: 64 Broad Street | Street Address: 5500 Old Brecksville Rd |
| City, State, Zip Code: Matawan, NJ 07747 | City, State, Zip Code: Independence, Ohio 44131 |
| Project Manager for Monitoring Firm: Thomas P. Geiger; Telephone No.: 732-290-2217 | Telephone No.: 216-642-6040; License No.: 01143 |
| Start Date (10): 10-18-11; Scheduled Completion Date (11): 11-18-11 | Name of OSHA Monitor: Environmental Tactics, Inc |
| Occupancy Status During Abatement (Check Only One): ☒ Facility Closed/Vacated During Entire Period of Abatement ☐ Abatement Performed Outside of Normal Facility Hours ☐ Other – Describe: | Street Address: 64 Broad Street<br>City, State, Zip Code: Matawan, NJ 07747 |

Scope of Work (Check All That Apply)
☐ ≥3 sf or ≥3 lf ☒ ≥160 sf or ≥260 lf
☐ Renovation ☒ Demolition
☒ Full Containment with Negative Pressure ☒ Mini-Enclosure ☒ Glovebag Procedure ☒ Non-Exempted (*) and Non-Friable Procedure

| Location of Asbestos-Containing Material (ACM) TO BE ABATED In Facility (13) | Is Location Normally Used Solely by Maintenance/ Custodial Staff? (12) Yes | No | N/A | Description of Asbestos Containing Material (ACM) (i.e. thermal systems insulation, surfacing, VAT, or other miscellaneous) | Amount (Specify SF or LF) | Abatement Type: Removal | Repair | Encapsulate | Enclosure |
|---|---|---|---|---|---|---|---|---|---|
| See attached | | X | | See attached | See attached | X | | | |
| | | | | | | | | | |
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| | | | |
|---|---|---|---|
| Name of Registered Waste Hauler: Freehold Cartage | NJDEP Waste Hauler ID No.: NJD054126164 | Cubic Yards of Waste: 974 | Name of Registered Landfill: Envirosafe Services of Ohio |
| City, State: Freehold, New Jersey | | Disposal Date: 10-10/11-18-11 | City, State: Oregon, Ohio |

| Completed by | Title | Signature | Date |
|---|---|---|---|
| John E. Savage | Vice President | John E. Savage | 10-06-11 |

ASB-41 (R-06-08)

Do not use this form for asbestos licensure exempted activities.

Asbestos Abatement Work Schedule Standard Chlorine Chemical

| | |
|---|---|
| Oct 18 thru 22nd | 7:00a-5:30p |
| Oct 24 thru 27th | 7:00a-5:30p |
| Nov 1 thru 5th | 7:00a-5:30p |
| Nov 7 thru 10th | 7:00a-5:30p |
| Nov 15 thru 18th | 7:00a-5:30p |

State of New Jersey
**NOTIFICATION OF ASBESTOS ABATEMENT**
(Pursuant to NJAC 8:60 and 12:120)

| | |
|---|---|
| Date of Notification (1)9-22-11<br>(1)9-26-11(2)10-3-11(3)10-6-11(4)10-14-11 | Name of Building Owner/Operator (2)<br>Town of Kearny |
| Agencies Notified: ☒ EPA ☐ DEP ☒ DOL ☒ DOH ☐ DCA<br>Type Notification: ☐ Initial ☒ Amended Amendment #: 4 ☐ Emergency (including justification) ☐ Cancellation | Street Address<br>402 Kearny Avenue<br>City, State, Zip Code<br>Kearney, NJ 07032<br>Name of Contact: Michael Martello<br>Telephone Number: 201-955-7400 |

**FACILITY INFORMATION**

| | | | |
|---|---|---|---|
| Name of Facility Where Abatement is Taking Place (3)<br>Standard Chlorine Chemical Co. | | Type of Facility (4)<br>☐ School (K-12)<br>☐ Subchapter 8 (Other than K-12)<br>☒ Other (i.e. private & commercial buildings, homes, etc.) | |
| Street Address<br>1015-1035 Belleville Turnpike | | | |
| City (5)<br>Kearney | | Square Feet: See attached | # of Floors: see attached<br>Bldg. Age: 50+ |
| County (6)<br>Hudson | County Code (7) (STATE USE ONLY) | Current Use (Prior if being demolished)<br>Chemical plant | |
| Name of Monitoring Firm Hired by Building Owner (8)<br>Environmental Tactics, Inc. | ASCM No.<br>0045 | Name of Abatement Contractor (9)<br>Precision Environmental Co. | |
| Street Address<br>64 Broad Street | | Street Address<br>5500 Old Brecksville Rd | |
| City, State, Zip Code<br>Matawan, NJ 07747 | | City, State, Zip Code<br>Independence, Ohio 44131 | |
| Project Manager for Monitoring Firm<br>Thomas P. Geiger | Telephone No.<br>732-290-2217 | Telephone No.<br>216-642-6040 | License No.<br>01143 |
| Start Date (10)<br>10-25-11 | Scheduled Completion Date (11)<br>11-22-11 | Name of OSHA Monitor<br>Environmental Tactics, Inc | |
| Occupancy Status During Abatement (Check Only One)<br>☒ Facility Closed/Vacated During Entire Period of Abatement<br>☐ Abatement Performed Outside of Normal Facility Hours<br>☐ Other – Describe: | | Street Address<br>64 Broad Street<br>City, State, Zip Code<br>Matawan, NJ 07747 | |

Scope of Work (Check All That Apply)

☐ ≥3 sf or ≥3 lf
☒ ≥160 sf or ≥260 lf

☐ Renovation
☒ Demolition

☒ Full Containment with Negative Pressure
☒ Mini-Enclosure
☒ Glovebag Procedure
☒ Non-Exempted (*) and Non-Friable Procedure

| Location of Asbestos-Containing Material (ACM) TO BE ABATED In Facility (13) | Is Location Normally Used Solely by Maintenance/ Custodial Staff? (12) Yes | No | N/A | Description of Asbestos Containing Material (ACM) (i.e. thermal systems insulation, surfacing, VAT, or other miscellaneous) | Amount (Specify SF or LF) | Abatement Type: Removal | Repair | Encapsulate | Enclosure |
|---|---|---|---|---|---|---|---|---|---|
| See attached | | X | | See attached | See attached | X | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| | | | |
|---|---|---|---|
| Name of Registered Waste Hauler<br>Freehold Cartage | NJDEP Waste Hauler ID No.<br>NJD054126164 | Cubic Yards of Waste<br>974 | Name of Registered Landfill<br>Envirosafe Services of Ohio |
| City, State<br>Freehold, New Jersey | | Disposal Date<br>10/25-11/22/11 | City, State<br>Oregon, Ohio |
| Completed by<br>John E. Savage | Title<br>Vice President | Signature<br>John E Savage | Date<br>10-14-11 |

ASB-41 (R-06-08)

Do not use this form for asbestos licensure exempted activities.

Asbestos Abatement Work Schedule Standard Chlorine Chemical

| | |
|---|---|
| Oct 25 thru 29th | 7:00a-5:30p |
| Oct 31 thru Nov 3rd | 7:00a-5:30p |
| Nov 8 thru 12th | 7:00a-5:30p |
| Nov 14 thru 22th | 7:00a-5:30p |

State of New Jersey
**NOTIFICATION OF ASBESTOS ABATEMENT**
*(Pursuant to NJAC 8:60 and 12:120)*

| | |
|---|---|
| Date of Notification (1) 9-22-11<br>(1) 9-26-11 (2) 10-3-11 (3) 10-6-11 (4) 10-14-11<br>(5) 11-18-11 | Name of Building Owner/Operator (2)<br>Town of Kearny |
| Agencies Notified: ☒ EPA ☐ DEP ☒ DOL ☒ DOH ☐ DCA<br>Type Notification: ☐ Initial ☒ Amended Amendment # 5 ☐ Emergency (including justification) ☐ Cancellation | Street Address: 402 Kearny Avenue<br>City, State, Zip Code: Kearney, NJ 07032<br>Name of Contact: Michael Martello<br>Telephone Number: 201-955-7400 |

**FACILITY INFORMATION**

| | | | |
|---|---|---|---|
| Name of Facility Where Abatement is Taking Place (3): Standard Chlorine Chemical Co. | | Type of Facility (4): ☐ School (K-12) ☐ Subchapter 5 (Other than K-12) ☒ Other (i.e. private & commercial buildings, homes, etc.) | |
| Street Address: 1015-1035 Belleville Turnpike | | | |
| City (5): Kearney | | Square Feet: See attached | # of Floors: see attached / Bldg. Age: 50+ |
| County (6): Hudson | County Code (7) (STATE USE ONLY) | Current Use (Prior if being demolished): Chemical plant | |
| Name of Monitoring Firm Hired by Building Owner (8): Environmental Tactics, Inc. | ASCM No: 0045 | Name of Abatement Contractor (9): Precision Environmental Co. | |
| Street Address: 64 Broad Street | | Street Address: 5500 Old Brecksville Rd | |
| City, State, Zip Code: Matawan, NJ 07747 | | City, State, Zip Code: Independence, Ohio 44131 | |
| Project Manager for Monitoring Firm: Thomas P. Geiger | Telephone No.: 732-290-2217 | Telephone No.: 216-642-6040 | License No.: 01143 |
| Start Date (10): 10-25-11 | Scheduled Completion Date (11): 12-09-11 | Name of OSHA Monitor: Environmental Tactics, Inc | |
| Occupancy Status During Abatement (Check Only One): ☒ Facility Closed/Vacated During Entire Period of Abatement ☐ Abatement Performed Outside of Normal Facility Hours ☐ Other – Describe: | | Street Address: 64 Broad Street<br>City, State, Zip Code: Matawan, NJ 07747 | |

Scope of Work (Check All That Apply)

☐ ≥3 sf or ≥3 lf
☒ ≥160 sf or ≥260 lf

☐ Renovation
☒ Demolition

☒ Full Containment with Negative Pressure
☒ Mini-Enclosure
☒ Glovebag Procedure
☒ Non-Exempted (*) and Non-Friable Procedure

| Location of Asbestos-Containing Material (ACM) TO BE ABATED In Facility (13) | Is Location Normally Used Solely by Maintenance/ Custodial Staff? (12) Yes | No | N/A | Description of Asbestos Containing Material (ACM) (i.e. thermal systems insulation, surfacing, VAT, or other miscellaneous) | Amount (Specify SF or LF) | Abatement Type: Removal | Repair | Encapsulate | Enclosure |
|---|---|---|---|---|---|---|---|---|---|
| See attached | | X | | See attached | See attached | X | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| | | | |
|---|---|---|---|
| Name of Registered Waste Hauler: Freehold Cartage | NJDEP Waste Hauler ID No.: NJD054126154 | Cubic Yards of Waste: 974 | Name of Registered Landfill: Envirosafe Services of Ohio |
| City, State: Freehold, New Jersey | | Disposal Date: 10/25- 12/09/11 | City, State: Oregon, Ohio |

| Completed by | Title | Signature | Date |
|---|---|---|---|
| John E. Savage | Vice President | John E. Savage | 11-18-11 |

ASB-41 (R-06-08)

Do not use this form for asbestos licensure exempted activities.

| | Location | Material Description | Quantity |
|---|---|---|---|
| **Building 15** | | | |
| *6300 sf* | | | |
| *1 floor* | Window | Caulking/Glazing | 24- 7x7 sf |
| *50+ years* | Bulding Exterior | Transite | 56,000 sf |
| **Building 17** | | | |
| *1800 sf* | | | |
| *1 floor* | Window | Glazing | 17-5x4 sf |
| *50+ years* | Meter Room | Transite | 480 sf |
| **Building 18** | | | |
| *1750 sf* | | | |
| *1 floor* | Window | Caulkling/Glazing | 58-5x4 sf |
| *50+ years* | Exterior Siding | Transite Panels | 32000 sf |
| | 5th-7th Floor Throughout | Pipe Insulation | 2000 lf |
| | 6th Floor | Tank Body Insulation | 5000 sf |
| | 1st Floor | (2-layer) tank insulation | 1500 sf |
| | | Pipe Insulation | 3000 lf |
| **Building 21** | Building Exterior | Transite Shingles | 6500 sf |
| *1500 sf* | | | |
| *2 floors* | | | |
| *50+ years* | | | |

# CERTIFICATES OF ANALYSIS

A. BACKGROUND AIR SAMPLES

B. WORK AREA AIR SAMPLES

C. WORK AREA AIR SAMPLES

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# BACKGROUND AIR SAMPLES

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: October 11, 2011
Analysis Date: October 11, 2011
Report Date: October 12, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Baseline Sampling Day #1 (10-11-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 101111-PRE-01 | Fixed Monitoring Loc. #1, West Perimeter | 1137 | 0.003 |
| 101111-PRE-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1113 | <0.002 |
| 101111-PRE-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1116 | 0.003 |
| 101111-PRE-04 | Non-Fixed Monit. Loc. #4, N.E. Perimeter | 1110 | 0.004 |
| 101111-PRE-05 | Non-Fixed Monit. Loc. #5, S.E. Perimeter | 1110 | <0.002 |
| 101111-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 101111-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.** **Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN Thomas P. Geiger
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 10-11-11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 101111-01 | PRE | Fixed Monitoring Loc. #1, West | Gil Air-5 | 0750 | 1409 | 379 | 3.0 | 3.0 | 1137 | 7.5/100 | 0.0032 | 7400 "A" Rules |
| 101111-02 | PRE | Fixed Monitoring Loc. #2, S.W. | Gil Air-5 | 0759 | 1410 | 371 | 3.0 | 3.0 | 1113 | 4/100 | <0.0018 | 7400 "A" Rules |
| 101111-03 | PRE | Fixed Monitoring Loc. #3, N.W. | Gil Air-5 | 0753 | 1405 | 372 | 3.0 | 3.0 | 1116 | 6/100 | 0.0026 | 7400 "A" Rules |
| 101111-04 | PRE | Non-Fixed Monitoring Loc. #4, N.E. | Gil Air-5 | 0810 | 1420 | 370 | 3.0 | 3.0 | 1110 | 8/100 | 0.0035 | 7400 "A" Rules |
| 101111-05 | PRE | Non-Fixed Monitoring Loc. #5, S.E. | Gil Air-5 | 0809 | 1414 | 370 | 3.0 | 3.0 | 1110 | 5/100 | <0.0018 | 7400 "A" Rules |
| 101111-06 | BLK | Field Blank | — | | | — | | | — | 0/100 | <0.04 Field | 7400 "A" Rules |
| 101111-07 | BLK | QC Blank | — | | | — | | | — | 0/100 | <0.04 Field | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA: Baseline monitoring Day #1

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET-05 Date Calibrated 7-20-11

Chain of Custody:
Relinquished: [signature] Date: 10-11-11
Accepted: [signature] Date: 10/11/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: October 12, 2011
Analysis Date: October 12, 2011
Report Date: October 13, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Baseline Sampling Day #2 (10-12-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 101211-PRE-08 | Fixed Monitoring Loc. #1, West Perimeter | 1260 | 0.003 |
| 101211-PRE-09 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1239 | <0.002 |
| 101211-PRE-10 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1227 | 0.003 |
| 101211-PRE-11 | Non-Fixed Monit. Loc. #4, N.E. Perimeter | 1161 | 0.003 |
| 101211-PRE-12 | Non-Fixed Monit. Loc. #5, S.E. Perimeter | 1239 | 0.002 |
| 101211-BLK-13 | Field Blank | -- | <0.04 F/FLD |
| 101211-BLK-14 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.** **Fiber Air Sampling Lo**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN Thomas P. Geigen
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 10-12-11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS / CC ACTUAL | FIBERS / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 101211-08 | PRE | Fixed monitoring Location #1, west | Gil Air-5 | 0710 | 1410 | 420 | 3.0 | 3.0 | 1260 | 8/100 | 0.0031 | 7400 "A" Rules |
| 101211-09 | PRE | Fixed monitoring Location #2, S.W. | Gil Air-5 | 0723 | 1416 | 413 | 3.0 | 3.0 | 1239 | 4/100 | <0.0016 | 7400 "A" Rules |
| 101211-10 | PRE | Fixed monitoring Location #3, N.W. | Gil Air-5 | 0717 | 1406 | 409 | 3.0 | 3.0 | 1227 | 6.5/100 | 0.0026 | 7400 "A" Rules |
| 101211-11 | PRE | Non-Fixed monitoring Location #4, N.E. | Gil Air-5 | 0733 | 1400 | 387 | 3.0 | 3.0 | 1161 | 7/100 | 0.0030 | 7400 "A" Rules |
| 101211-12 | PRE | Non-Fixed monitoring Location #5, S.E. | Gil Air-5 | 0726 | 1419 | 413 | 3.0 | 3.0 | 1239 | 5.5/100 | 0.0022 | 7400 "A" Rules |
| 101211 13 | Blk | Field Blank | — | | | — | | | — | 0/100 | <0.04 Field | 7400 "A" Rules |
| 101211-14 | Blk | QC Blank | — | | | — | | | — | 0/100 | <0.04 Field | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA: Baseline monitoring Day #2.

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET-05 Date Calibrated 7-20-11

Chain of Custody:
Relinquished: [signature] Date: 10-12-11
Accepted: [signature] Date: 10/12/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: October 13, 2011
Analysis Date: October 13, 2011
Report Date: October 14, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Baseline Sampling Day #3 (10-13-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 101311-PRE-15 | Fixed Monitoring Loc. #1, West Perimeter | 1128 | 0.003 |
| 101311-PRE-16 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1125 | <0.002 |
| 101311-PRE-17 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1158 | <0.002 |
| 101311-PRE-18 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1083 | <0.002 |
| 101311-PRE-19 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1080 | <0.002 |
| 101311-BLK-20 | Field Blank | -- | <0.04 F/FLD |
| 101311-BLK-21 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: I-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN Thomas P. Geiger
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 10-13-11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 101311-15 | PRE | Fixed monitoring Location #1, West | Gil Air-5 | 0739 | 1405 | 376 | 3.0 | 3.0 | 1128 | 7/100 | 0.0030 ~~<0.0017~~ | 7400 "A" Rules |
| 101311-16 | PRE | Fixed monitoring Location #2, S.W. | Gil Air-5 | 0746 | 1401 | 375 | 3.0 | 3.0 | 1125 | 4/100 | <0.0017 | 7400 "A" Rules |
| 101311-17 | PRE | Fixed monitoring Location #3, N.W. | Gil Air-5 | 0741 | 1407 | 386 | 3.0 | 3.0 | 1158 | 5/100 | <0.0017 | 7400 "A" Rules |
| 101311-18 | PRE | Non-Fixed monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 0755 | 1356 | 361 | 3.0 | 3.0 | 1083 | 3.5/100 | <0.0018 | 7400 "A" Rules |
| 101311-19 | PRE | Non-Fixed monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 0757 | 1357 | 360 | 3.0 | 3.0 | 1080 | 2/100 | <0.0018 | 7400 "A" Rules |
| 101311-20 | BLK | Field Blank | — | | | — | | | — | 0/100 | <0.04 Field | 7400 "A" Rules |
| 101311-21 | BLK | QC Blank | — | | | — | | | — | 0/100 | <0.04 Field | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA: Baseline monitoring Day #3.

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET-05 Date Calibrated 7-20-11

Chain of Custody:
Relinquished: [signature] Date: 10-13-11
Accepted: [signature] Date: 10/13/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# SITE PERIMETER AIR SAMPLES

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: October 26, 2011
Analysis Date: October 27, 2011
Report Date: October 27, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (10-26-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 102611-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1620 | 0.003 |
| 102611-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1620 | 0.004 |
| 102611-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1620 | 0.003 |
| 102611-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1620 | 0.002 |
| 102611-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1614 | 0.003 |
| 102611-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 102611-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN ROBERTO LUNA

CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 10/26/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 102611 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 780 | 1650 | 540 | 3.0 | 3.0 | 1620 | 11/100 | 0.0031 | 7400 "A" Rules |
| 102611 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 752 | 1652 | 540 | 3.0 | 3.0 | 1620 | 12.5/100 | 0.0035 | 7400 "A" Rules |
| 102611 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 753 | 1653 | 540 | 3.0 | 3.0 | 1620 | 9/100 | 0.0025 | 7400 "A" Rules |
| 102611 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 756 | 1656 | 540 | 3.0 | 3.0 | 1620 | 7.5/100 | 0.0021 | 7400 "A" Rules |
| 102611 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 80 | 1658 | 538 | 3.0 | 3.0 | 1614 | 12/100 | 0.0034 | 7400 "A" Rules |
| 102611 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 102611 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ST02 Date Calibrated 03/20/11

Chain of Custody:
Relinquished: [signature] Date: 10/26/11
Accepted: [signature] Date: 10/27/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: October 27, 2011
Analysis Date: October 27, 2011
Report Date: October 27, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (10-27-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT,F/CC |
|---|---|---|---|
| 102711-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1740 | 0.002 |
| 102711-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1740 | 0.002 |
| 102711-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1743 | <0.001 |
| 102711-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1749 | 0.002 |
| 102711-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1746 | <0.001 |
| 102711-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 102711-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN ROBERTO UMBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 10/27/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 102711 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 705 | 1645 | 580 | 3.0 | 3.0 | 1740 | 6/100 | 0.0016 | 7400 "A" Rules |
| 102711 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 707 | 1649 | 580 | 3.0 | 3.0 | 1740 | 7.5/100 | 0.0020 | 7400 "A" Rules |
| 102711 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 709 | 1650 | 581 | 3.0 | 3.0 | 1743 | 4/100 | <0.0011 | 7400 "A" Rules |
| 102711 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 710 | 1653 | 583 | 3.0 | 3.0 | 1749 | 6/100 | 0.0016 | 7400 "A" Rules |
| 102711 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 713 | 1655 | 582 | 3.0 | 3.0 | 1746 | 5/100 | <0.0011 | 7400 "A" Rules |
| 102711 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 102711 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 10/27/11
Accepted: [signature] Date: 10/27/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: October 28, 2011
Analysis Date: October 28, 2011
Report Date: October 28, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (10-28-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 102811-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1725 | 0.002 |
| 102811-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1722 | 0.003 |
| 102811-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1722 | <0.001 |
| 102811-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1719 | 0.002 |
| 102811-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1722 | 0.003 |
| 102811-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 102811-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN ROBERTO UNIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 10/28/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 102811 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 710 | 1645 | 575 | 3.0 | 3.0 | 1725 | 6/100 | 0.0017 | 7400 "A" Rules |
| 102811 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 714 | 1648 | 574 | 3.0 | 3.0 | 1722 | 9/100 | 0.0026 | 7400 "A" Rules |
| 102811 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 712 | 1646 | 574 | 3.0 | 3.0 | 1722 | 5/100 | <0.0011 | 7400 "A" Rules |
| 102811 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 716 | 1649 | 573 | 3.0 | 3.0 | 1719 | 7.5/100 | 0.0021 | 7400 "A" Rules |
| 102811 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 717 | 1651 | 574 | 3.0 | 3.0 | 1722 | 11/100 | 0.0031 | 7400 "A" Rules |
| 102811 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 102811 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. BT 02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 10/28/11
Accepted: [signature] Date: 10/29/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: October 31, 2011
Analysis Date: October 31, 2011
Report Date: October 31, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (10-29-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT,F/CC |
|---|---|---|---|
| 102911-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1200 | <0.002 |
| 102911-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1200 | <0.002 |
| 102911-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1200 | 0.003 |
| 102911-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1200 | 0.002 |
| 102911-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1200 | 0.004 |
| 102911-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 102911-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN ROBERTO UNOB
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE DATE 10/29/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 102911 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 705 | 1345 | 400 | 3.0 | 3.0 | 1200 | 5/100 | <0.0016 | 7400 "A" Rules |
| 102911 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 708 | 1348 | 400 | 3.0 | 3.0 | 1200 | 3.5/100 | <0.0016 | 7400 "A" Rules |
| 102911 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 706 | 1346 | 400 | 3.0 | 3.0 | 1200 | 7/100 | 0.0029 | 7400 "A" Rules |
| 102911 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 710 | 1350 | 400 | 3.0 | 3.0 | 1200 | 5.5/100 | 0.0022 | 7400 "A" Rules |
| 102911 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 711 | 1351 | 400 | 3.0 | 3.0 | 1200 | 9/100 | 0.0037 | 7400 "A" Rules |
| 102911 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 102911 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. 6F02 Date Calibrated 01/20/11

Chain of Custody:
Relinquished: Date: 10/29/11

Accepted: Date: 10/31/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 1, 2011
Analysis Date: November 1, 2011
Report Date: November 1, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (10-31-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 103111-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1215 | 0.003 |
| 103111-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1215 | <0.002 |
| 103111-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1215 | 0.002 |
| 103111-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1218 | 0.004 |
| 103111-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1218 | 0.004 |
| 103111-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 103111-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN ROBERTO Uribe
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 10/31/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 103111 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 712 | 1900 | 405 | 3.0 | 3.0 | 1215 | 8/100 | 0.0032 | 7400 "A" Rules |
| 103111 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 717 | 1902 | 405 | 3.0 | 3.0 | 1215 | 4/100 | <0.0016 | 7400 "A" Rules |
| 103111 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 716 | 1901 | 405 | 3.0 | 3.0 | 1215 | 6/100 | 0.0024 | 7400 "A" Rules |
| 103111 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 719 | 1902 | 406 | 3.0 | 3.0 | 1218 | 11/100 | 0.0044 | 7400 "A" Rules |
| 103111 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 721 | 1903 | 406 | 3.0 | 3.0 | 1218 | 9.5/100 | 0.0038 | 7400 "A" Rules |
| 103111 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 103111 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 10/31/11
Accepted: [signature] Date: 11-1-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 2, 2011
Analysis Date: November 2, 2011
Report Date: November 2, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (11-01-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 110111-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1470 | 0.002 |
| 110111-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1473 | 0.002 |
| 110111-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1470 | 0.002 |
| 110111-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1467 | 0.003 |
| 110111-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1470 | 0.004 |
| 110111-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 110111-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN Roberto Uribe
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11-01-11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 01 11 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 710 | 1520 | 490 | 3.0 | 3.0 | 1470 | 7/100 | 0.0023 | 7400 "A" Rules |
| 11 01 11 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 712 | 1523 | 491 | 3.0 | 3.0 | 1473 | 6.5/100 | 0.0022 | 7400 "A" Rules |
| 11 01 11 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 714 | 1524 | 490 | 3.0 | 3.0 | 1470 | 7/100 | 0.0023 | 7400 "A" Rules |
| 11 01 11 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 715 | 1524 | 489 | 3.0 | 3.0 | 1467 | 10/100 | 0.0033 | 7400 "A" Rules |
| 11 01 11 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 716 | 1526 | 490 | 3.0 | 3.0 | 1470 | 12.5/100 | 0.0042 | 7400 "A" Rules |
| 11 01 11 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 11 01 11 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11-01-11
Accepted: [signature] Date: 11-2-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 3, 2011
Analysis Date: November 3, 2011
Report Date: November 3, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (11-02-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 110211-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1725 | 0.002 |
| 110211-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1725 | 0.002 |
| 110211-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1725 | 0.002 |
| 110211-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1725 | 0.003 |
| 110211-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1728 | 0.002 |
| 110211-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 110211-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE: Standard Chlorine Chemical Co., Inc. BLDG./PHASE: Site Perimeter Monitoring TECHNICIAN: ROBERTO URIBE
CLIENT: Key Environmental, Inc., Carnegie, PA JOB NUMBER: 2011-116 SIGNATURE: [signature] DATE: 11/02/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | FIBERS / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 110211 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 710 | 1645 | 575 | 3.0 | 3.0 | 1725 | 7/100 | 0.0020 | 7400 "A" Rules |
| 110211 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 712 | 1647 | 575 | 3.0 | 3.0 | 1725 | 6.5/100 | 0.0018 | 7400 "A" Rules |
| 110211 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 711 | 1646 | 575 | 3.0 | 3.0 | 1725 | 7.5/100 | 0.0021 | 7400 "A" Rules |
| 110211 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 715 | 1650 | 575 | 3.0 | 3.0 | 1725 | 9/100 | 0.0026 | 7400 "A" Rules |
| 110211 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 716 | 1652 | 576 | 3.0 | 3.0 | 1728 | 8.5/100 | 0.0024 | 7400 "A" Rules |
| 110211 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 110211 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11.02/11
Accepted: [signature] Date: 11/3/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 4, 2011
Analysis Date: November 4, 2011
Report Date: November 4, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (11-02-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 110211-S/P-08 | Fixed Monitoring Loc. #1, West Perimeter | 1670 | 0.003 |
| 110211-S/P-09 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1670 | 0.003 |
| 110211-S/P-10 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1670 | 0.003 |
| 110211-S/P-11 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1670 | 0.004 |
| 110211-S/P-12 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1672 | 0.003 |
| 110211-BLK-13 | Field Blank | -- | <0.04 F/FLD |
| 110211-BLK-14 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

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**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN R LIRIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11-02-11 - 11-03-11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 02 11 08 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 1645 | 11-03-11 0940 | 835 | 20 | 20 | 1670 | 4/100 | 0.0026 | 7400 "A" Rules |
| 11 02 11 09 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 1647 | 11-03-11 0943 | 836 | 20 | 20 | 1672 | 11/100 | 0.0032 | 7400 "A" Rules |
| 11 02 11 10 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 1646 | 11-03-11 0939 | 835 | 20 | 20 | 1670 | 9.5/100 | 0.0028 | 7400 "A" Rules |
| 11 02 11 11 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 1650 | 11-03-11 0945 | 835 | 20 | 20 | 1670 | 12/100 | 0.0035 | 7400 "A" Rules |
| 11 02 11 12 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 1652 | 11-03-11 0948 | 836 | 20 | 20 | 1672 | 9.5/100 | 0.0028 | 7400 "A" Rules |
| 11 02 11 13 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 11 02 11 14 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 01/20/11

Chain of Custody:
Relinquished: [signature] Date: 11-03-11
Accepted: [signature] Date: 11/4/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 4, 2011
Analysis Date: November 4, 2011
Report Date: November 4, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (11-03-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 110311-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1680 | 0.002 |
| 110311-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1686 | 0.002 |
| 110311-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1683 | 0.003 |
| 110311-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1686 | 0.003 |
| 110311-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1686 | 0.004 |
| 110311-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 110311-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.** **Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN ROBERTO UNIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE DATE 11 03 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 03 11 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 0940 | 1600 | 560 | 3.0 | 30 | 1680 | 8/100 | 0.0023 | 7400 "A" Rules |
| 11 03 11 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 0943 | 1605 | 562 | 3.0 | 30 | 1686 | 7.5/100 | 0.0022 | 7400 "A" Rules |
| 11 03 11 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 0949 | 1602 | 561 | 3.0 | 30 | 1683 | 8.5/100 | 0.0025 | 7400 "A" Rules |
| 11 03 11 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 0945 | 1607 | 562 | 3.0 | 30 | 1686 | 11/100 | 0.0032 | 7400 "A" Rules |
| 11 03 11 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 0949 | 1610 | 562 | 3.0 | 30 | 1686 | 12.5/100 | 0.0036 | 7400 "A" Rules |
| 11 03 11 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 11 03 11 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: Date: 11 03 11
Accepted: Date: 11/4/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 9, 2011
Analysis Date: November 9, 2011
Report Date: November 9, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (11-08-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 110811-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1680 | 0.004 |
| 110811-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1680 | 0.005 |
| 110811-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1686 | 0.003 |
| 110811-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1689 | 0.004 |
| 110811-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1692 | 0.005 |
| 110811-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 110811-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.** **Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN ROBERTO UNIDE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11-08-11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 08 11 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 700 | 1620 | 560 | 3.0 | 3.0 | 1680 | 12/100 | 0.0035 | 7400 "A" Rules |
| 11 08 11 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 701 | 1621 | 560 | 3.0 | 3.0 | 1680 | 16/100 | 0.0047 | 7400 "A" Rules |
| 11 08 11 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 702 | 1624 | 562 | 3.0 | 3.0 | 1686 | 9/100 | 0.0026 | 7400 "A" Rules |
| 11 08 11 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 703 | 1626 | 563 | 3.0 | 3.0 | 1689 | 14/100 | 0.0041 | 7400 "A" Rules |
| 11 08 11 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 704 | 1628 | 564 | 3.0 | 3.0 | 1692 | 16.5/100 | 0.0048 | 7400 "A" Rules |
| 11 08 11 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 11 08 11 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET-02 Date Calibrated 07.20.11

Chain of Custody:
Relinquished: [signature] Date: 11.08.11
Accepted: [signature] Date: 11/9/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 9, 2011
Analysis Date: November 9, 2011
Report Date: November 9, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (11-08-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 110811-S/P-08 | Fixed Monitoring Loc. #1, West Perimeter | 2580 | 0.003 |
| 110811-S/P-09 | Fixed Monitoring Loc. #2, S.W. Perimeter | 2580 | 0.004 |
| 110811-S/P-10 | Fixed Monitoring Loc. #3, N.W. Perimeter | 2580 | 0.002 |
| 110811-S/P-11 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 2580 | 0.003 |
| 110811-S/P-12 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 2580 | 0.003 |
| 110811-BLK-13 | Field Blank | -- | <0.04 F/FLD |
| 110811-BLK-14 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE: Standard Chlorine Chemical Co., Inc. BLDG./PHASE: Site Perimeter Monitoring TECHNICIAN: Roberto Lhubé
CLIENT: Key Environmental, Inc., Carnegie, PA JOB NUMBER: 2011-116 SIGNATURE: DATE: 11 08 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 08 11 08 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 1620 | 1640 | 860 | 3.0 | 3.0 | 2580 | 16/100 | 0.0030 | 7400 "A" Rules |
| 11 08 11 09 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 1621 | 1642 | 861 | 3.0 | 3.0 | 2583 | 18.5/100 | 0.0035 | 7400 "A" Rules |
| 11 08 11 10 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 1621 | 1642 | 860 | 3.0 | 3.0 | 2580 | 12/100 | 0.0023 | 7400 "A" Rules |
| 11 08 11 11 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 1621 | 1642 | 860 | 3.0 | 3.0 | 2580 | 13/100 | 0.0025 | 7400 "A" Rules |
| 11 08 11 12 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 1621 | 1642 | 860 | 3.0 | 3.0 | 2580 | 14.5/100 | 0.0028 | 7400 "A" Rules |
| 11 08 11 13 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 11 08 11 14 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ETD2 Date Calibrated 11 08 11

Chain of Custody:
Relinquished: Date: 11-08-11
Accepted: Date: 11/9/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 10, 2011
Analysis Date: November 10, 2011
Report Date: November 10, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (11-09-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 110911-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1785 | 0.004 |
| 110911-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1785 | 0.003 |
| 110911-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1776 | 0.004 |
| 110911-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1782 | 0.005 |
| 110911-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1791 | 0.005 |
| 110911-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 110911-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE: Standard Chlorine Chemical Co., Inc. BLDG./PHASE: Site Perimeter Monitoring TECHNICIAN: Robert Lynch
CLIENT: Key Environmental, Inc., Carnegie, PA JOB NUMBER: 2011-116 SIGNATURE: [signature] DATE: 11 09 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 09 11 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 640 | 1635 | 595 | 3.0 | 30 | 1785 | 13/100 | 0.0036 | 7400 "A" Rules |
| 11 09 11 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 642 | 1637 | 595 | 3.0 | 30 | 1785 | 9.5/100 | 0.0026 | 7400 "A" Rules |
| 11 09 11 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 640 | 1636 | 592 | 3.0 | 30 | 1776 | 16/100 | 0.0044 | 7400 "A" Rules |
| 11 09 11 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 646 | 1640 | 594 | 3.0 | 30 | 1782 | 19/100 | 0.0052 | 7400 "A" Rules |
| 11 09 11 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 648 | 1645 | 597 | 3.0 | 30 | 1791 | 17.5/100 | 0.0048 | 7400 "A" Rules |
| 11 09 11 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 11 09 11 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. 4702 Date Calibrated 07/30/11

Chain of Custody:
Relinquished: [signature] Date: 11 09 11
Accepted: [signature] Date: 11-10-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 10, 2011
Analysis Date: November 10, 2011
Report Date: November 10, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (11-09-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 110911-S/P-08 | Fixed Monitoring Loc. #1, West Perimeter | 2538 | 0.003 |
| 110911-S/P-09 | Fixed Monitoring Loc. #2, S.W. Perimeter | 2541 | 0.004 |
| 110911-S/P-10 | Fixed Monitoring Loc. #3, N.W. Perimeter | 2538 | 0.003 |
| 110911-S/P-11 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 2541 | 0.002 |
| 110911-S/P-12 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 2535 | 0.003 |
| 110911-BLK-13 | Field Blank | -- | <0.04 F/FLD |
| 110911-BLK-14 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE: Standard Chlorine Chemical Co., Inc. BLDG./PHASE: Site Perimeter Monitoring TECHNICIAN: Roberto Uribe
CLIENT: Key Environmental, Inc., Carnegie, PA JOB NUMBER: 2011-116 SIGNATURE: [signature] DATE: 11 09 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 09 11 08 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 1635 | 64 | 846 | 3.0 | 3.0 | 2538 | 19/100 | 0.0029 | 7400 "A" Rules |
| 11 09 11 09 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 1637 | 649 | 847 | 3.0 | 3.0 | 2541 | 21/100 | 0.0041 | 7400 "A" Rules |
| 11 09 11 10 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 1636 | 642 | 846 | 3.0 | 3.0 | 2538 | 17/100 | 0.0033 | 7400 "A" Rules |
| 11 09 11 11 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 1648 | 649 | 847 | 3.0 | 3.0 | 2541 | 11.5/100 | 0.0022 | 7400 "A" Rules |
| 11 09 11 12 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 1645 | 650 | 845 | 3.0 | 3.0 | 2535 | 17/100 | 0.0033 | 7400 "A" Rules |
| 11 09 11 13 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 11 09 11 14 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET032 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11/09/11
Accepted: [signature] Date: 11-10-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 11, 2011
Analysis Date: November 11, 2011
Report Date: November 11, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (11-10-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT,F/CC |
|---|---|---|---|
| 111011-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1797 | 0.005 |
| 111011-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1800 | 0.004 |
| 111011-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1800 | 0.003 |
| 111011-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1797 | 0.004 |
| 111011-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1794 | 0.003 |
| 111011-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 111011-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE: Standard Chlorine Chemical Co., Inc. BLDG./PHASE: Site Perimeter Monitoring TECHNICIAN: ROBERTO URIBE
CLIENT: Key Environmental, Inc., Carnegie, PA JOB NUMBER: 2011-116 SIGNATURE: [signature] DATE: 11/10/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 10 11 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 641 | 1640 | 599 | 3.0 | 3.0 | 1797 | 19/100 | 0.0052 | 7400 "A" Rules |
| 11 10 11 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 640 | 1640 | 600 | 3.0 | 3.0 | 1800 | 15/100 | 0.0041 | 7400 "A" Rules |
| 11 10 11 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 640 | 1640 | 600 | 3.0 | 3.0 | 1800 | 12/100 | 0.0033 | 7400 "A" Rules |
| 11 10 11 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 641 | 1640 | 599 | 3.0 | 3.0 | 1797 | 13/100 | 0.0035 | 7400 "A" Rules |
| 11 10 11 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 642 | 1640 | 598 | 3.0 | 3.0 | 1794 | 12.5/100 | 0.0034 | 7400 "A" Rules |
| 11 10 11 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 11 10 11 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 03/20/11

Chain of Custody:
Relinquished: [signature] Date: 11/10/11
Accepted: [signature] Date: 11-11-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 12, 2011
Analysis Date: November 12, 2011
Report Date: November 14, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (11-11-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 111111-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1725 | 0.005 |
| 111111-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1725 | 0.003 |
| 111111-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1725 | 0.003 |
| 111111-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1731 | 0.005 |
| 111111-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1731 | 0.006 |
| 111111-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 111111-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN ROBERTO UNIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11-11-11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 11 11 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 1010 | 1635 | 575 | 3.0 | 3.0 | 1725 | 16/100 | 0.0045 | 7400 "A" Rules |
| 11 11 11 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 1010 | 1639 | 575 | 3.0 | 3.0 | 1725 | 11.5/100 | 0.0033 | 7400 "A" Rules |
| 11 11 11 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 1010 | 1639 | 575 | 3.0 | 3.0 | 1725 | 9/100 | 0.0026 | 7400 "A" Rules |
| 11 11 11 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 1008 | 1645 | 577 | 3.0 | 3.0 | 1731 | 17/100 | 0.0048 | 7400 "A" Rules |
| 11 11 11 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 1010 | 1649 | 577 | 3.0 | 3.0 | 1731 | 19.5/100 | 0.0055 | 7400 "A" Rules |
| 11 11 11 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 11 11 11 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET 02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11-11-11
Accepted: [signature] Date: 11-12-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 14, 2011
Analysis Date: November 14, 2011
Report Date: November 14, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (11-12-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 111211-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1740 | 0.004 |
| 111211-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1740 | 0.002 |
| 111211-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1740 | 0.003 |
| 111211-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1740 | 0.005 |
| 111211-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1740 | 0.005 |
| 111211-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 111211-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN ROBERTO LINUBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11/12/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 12 11 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 705 | 1640 | 580 | 3.0 | 3.0 | 1740 | 13/100 | 0.0037 | 7400 "A" Rules |
| 11 12 11 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 705 | 1645 | 580 | 3.0 | 3.0 | 1740 | 7/100 | 0.0020 | 7400 "A" Rules |
| 11 12 11 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 705 | 1642 | 580 | 3.0 | 3.0 | 1740 | 11/100 | 0.0031 | 7400 "A" Rules |
| 11 12 11 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 705 | 1647 | 580 | 3.0 | 3.0 | 1740 | 17/100 | 0.0048 | 7400 "A" Rules |
| 11 12 11 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 710 | 1650 | 580 | 3.0 | 3.0 | 1740 | 16.5/100 | 0.0047 | 7400 "A" Rules |
| 11 12 11 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 11 12 11 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. BT02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11/12/11
Accepted: [signature] Date: 11-12-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 15, 2011
Analysis Date: November 15, 2011
Report Date: November 15, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (11-14-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 111411-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1715 | 0.004 |
| 111411-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1715 | 0.003 |
| 111411-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1715 | 0.005 |
| 111411-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1715 | 0.004 |
| 111411-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1715 | 0.006 |
| 111411-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 111411-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN ROBERTO LIRIOS
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11/14/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 14 11 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 700 | 1645 | 585 | 3.0 | 3.0 | 1715 | 12.5/100 | 0.0036 | 7400 "A" Rules |
| 11 14 11 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 705 | 1650 | 585 | 3.0 | 3.0 | 1715 | 9/100 | 0.0026 | 7400 "A" Rules |
| 11 14 11 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 703 | 1648 | 585 | 3.0 | 3.0 | 1715 | 17/100 | 0.0049 | 7400 "A" Rules |
| 11 14 11 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 708 | 1653 | 585 | 3.0 | 3.0 | 1715 | 15/100 | 0.0043 | 7400 "A" Rules |
| 11 14 11 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 710 | 1655 | 585 | 3.0 | 3.0 | 1715 | 19.5/100 | 0.0056 | 7400 "A" Rules |
| 11 14 11 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 11 14 11 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11-14-11
Accepted: [signature] Date: 11-15-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 16, 2011
Analysis Date: November 16, 2011
Report Date: November 16, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (11-15-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 111511-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1755 | 0.004 |
| 111511-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1764 | 0.003 |
| 111511-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1755 | 0.003 |
| 111511-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1764 | 0.005 |
| 111511-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1761 | 0.004 |
| 111511-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 111511-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN ROBERTO CRUZ
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11/15/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 15 11 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 655 | 1640 | 585 | 3.0 | 3.0 | 1755 | 11/100 | 0.0036 | 7400 "A" Rules |
| 11 15 11 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 658 | 1646 | 588 | 3.0 | 3.0 | 1764 | 11/100 | 0.0031 | 7400 "A" Rules |
| 11 15 11 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 657 | 1642 | 585 | 3.0 | 3.0 | 1755 | 9.5/100 | 0.0027 | 7400 "A" Rules |
| 11 15 11 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 70 | 1649 | 588 | 3.0 | 3.0 | 1764 | 17/100 | 0.0047 | 7400 "A" Rules |
| 11 15 11 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 702 | 1645 | 587 | 3.0 | 3.0 | 1761 | 14.5/100 | 0.0040 | 7400 "A" Rules |
| 11 15 11 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 11 15 11 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/25/11

Chain of Custody:
Relinquished: [signature] Date: 11/15/11
Accepted: [signature] Date: 11-16-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 17, 2011
Analysis Date: November 17, 2011
Report Date: November 17, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (11-16-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 111611-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1725 | 0.003 |
| 111611-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1728 | 0.003 |
| 111611-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1740 | 0.004 |
| 111611-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1737 | 0.004 |
| 111611-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1737 | 0.005 |
| 111611-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 111611-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE: Standard Chlorine Chemical Co., Inc. BLDG./PHASE: Site Perimeter Monitoring TECHNICIAN: ROBERTO URIBE
CLIENT: Key Environmental, Inc., Carnegie, PA JOB NUMBER: 2011-116 SIGNATURE: [signature] DATE: 11/16/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 16 11 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 655 | 1630 | 575 | 3.0 | 3.0 | 1725 | 12/100 | 0.0034 | 7400 "A" Rules |
| 11 16 11 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 656 | 1632 | 576 | 3.0 | 3.0 | 1728 | 9.5/100 | 0.0027 | 7400 "A" Rules |
| 11 16 11 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 658 | 1638 | 580 | 3.0 | 3.0 | 1740 | 13/100 | 0.0037 | 7400 "A" Rules |
| 11 16 11 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 701 | 1640 | 579 | 3.0 | 3.0 | 1737 | 15/100 | 0.0042 | 7400 "A" Rules |
| 11 16 11 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 702 | 1641 | 579 | 3.0 | 3.0 | 1737 | 17.5/100 | 0.0049 | 7400 "A" Rules |
| 11 16 11 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 11 16 11 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. 8702 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11/16/11
Accepted: [signature] Date: 11/17/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 18, 2011
Analysis Date: November 18, 2011
Report Date: November 18, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (11-17-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 111711-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1755 | 0.004 |
| 111711-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1755 | 0.003 |
| 111711-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1755 | 0.002 |
| 111711-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1752 | 0.004 |
| 111711-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1752 | 0.005 |
| 111711-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 111711-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN Roberto Uribe
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11/17/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 17 11 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 955 | 1640 | 585 | 3.0 | 3.0 | 1755 | 14/100 | 0.0039 | 7400 "A" Rules |
| 11 17 11 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 957 | 1642 | 585 | 3.0 | 3.0 | 1765 | 11.5/100 | 0.0032 | 7400 "A" Rules |
| 11 17 11 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 959 | 1644 | 585 | 3.0 | 3.0 | 1755 | 8/100 | 0.0022 | 7400 "A" Rules |
| 11 17 11 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 701 | 1646 | 584 | 3.0 | 3.0 | 1752 | 15/100 | 0.0042 | 7400 "A" Rules |
| 11 17 11 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 703 | 1648 | 584 | 3.0 | 3.0 | 1752 | 17.5/100 | 0.0049 | 7400 "A" Rules |
| 11 17 11 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 11 17 11 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. 6502 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11 17 11
Accepted: [signature] Date: 11/16/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 19, 2011
Analysis Date: November 19, 2011
Report Date: November 19, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (11-18-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 111811-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1770 | 0.003 |
| 111811-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1770 | 0.003 |
| 111811-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1770 | 0.002 |
| 111811-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1764 | 0.003 |
| 111811-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1761 | 0.004 |
| 111811-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 111811-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN ROBERTO URIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11/18/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 18 11 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 955 | 1645 | 590 | 3.0 | 3.0 | 1770 | 11/100 | 0.0030 | 7400 "A" Rules |
| 11 18 11 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 955 | 1645 | 590 | 3.0 | 3.0 | 1770 | 9/100 | 0.0025 | 7400 "A" Rules |
| 11 18 11 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 955 | 1645 | 590 | 3.0 | 3.0 | 1770 | 7.5/100 | 0.0021 | 7400 "A" Rules |
| 11 18 11 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 705 | 1650 | 588 | 3.0 | 3.0 | 1764 | 12/100 | 0.0033 | 7400 "A" Rules |
| 11 18 11 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 705 | 1652 | 587 | 3.0 | 3.0 | 1761 | 14/100 | 0.0039 | 7400 "A" Rules |
| 11 18 11 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 11 18 11 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. 6402 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11/18/11
Accepted: [signature] Date: 11/19/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 21, 2011
Analysis Date: November 21, 2011
Report Date: November 21, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (11-19-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 111911-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1725 | 0.003 |
| 111911-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1731 | 0.002 |
| 111911-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1728 | 0.004 |
| 111911-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1731 | 0.005 |
| 111911-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1734 | 0.005 |
| 111911-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 111911-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN ROBERTO LIRIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11 19 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 19 11 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 655 | 1630 | 575 | 3.0 | 3.0 | 1725 | 9/100 | 0.0026 | 7400 "A" Rules |
| 11 19 11 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 657 | 1634 | 577 | 3.0 | 3.0 | 1731 | 7.5/100 | 0.0021 | 7400 "A" Rules |
| 11 19 11 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 656 | 1632 | 576 | 3.0 | 3.0 | 1728 | 13/100 | 0.0037 | 7400 "A" Rules |
| 11 19 11 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 659 | 1634 | 577 | 3.0 | 3.0 | 1731 | 19/100 | 0.0054 | 7400 "A" Rules |
| 11 19 11 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 70 | 1634 | 578 | 3.0 | 3.0 | 1734 | 15.5/100 | 0.0050 | 7400 "A" Rules |
| 11 19 11 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 11 19 11 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. 4702 Date Calibrated 07/26/11

Chain of Custody:
Relinquished: [signature] Date: 11.19 11
Accepted: [signature] Date: 11/21/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 22, 2011
Analysis Date: November 22, 2011
Report Date: November 22, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (11-21-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 112111-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1755 | <0.001 |
| 112111-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1761 | <0.001 |
| 112111-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1758 | <0.001 |
| 112111-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1758 | <0.001 |
| 112111-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1755 | 0.002 |
| 112111-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 112111-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN ROBERTO URIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11-21-11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS / CC ACTUAL | FIBERS / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/21/11 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 955 | 1640 | 585 | 3.0 | 3.0 | 1755 | 2/100 | <0.0011 | 7400 "A" Rules |
| 11/21/11 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 958 | 1648 | 587 | 3.0 | 3.0 | 1761 | 3/100 | <0.0011 | 7400 "A" Rules |
| 11/21/11 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 952 | 1642 | 586 | 3.0 | 3.0 | 1758 | 2/100 | <0.0011 | 7400 "A" Rules |
| 11/21/11 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 702 | 1648 | 586 | 3.0 | 3.0 | 1758 | 3/100 | <0.0011 | 7400 "A" Rules |
| 11/21/11 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 704 | 1649 | 585 | 3.0 | 3.0 | 1755 | 7/100 | 0.0019 | 7400 "A" Rules |
| 11/21/11 06 | BLK | Field Blank | | | | | | | | — | <0.04 | 7400 "A" Rules |
| 11/21/11 07 | BLK | QC Blank | | | | | | | | — | <0.04 | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11/21/11
Accepted: [signature] Date: 11/22/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 23, 2011
Analysis Date: November 23, 2011
Report Date: November 23, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (11-22-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 112211-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1650 | <0.001 |
| 112211-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1647 | <0.001 |
| 112211-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1656 | <0.001 |
| 112211-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1650 | <0.001 |
| 112211-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1650 | 0.002 |
| 112211-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 112211-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE: Standard Chlorine Chemical Co., Inc. BLDG./PHASE: Site Perimeter Monitoring TECHNICIAN: ROBERTO UNIBE
CLIENT: Key Environmental, Inc., Carnegie, PA JOB NUMBER: 2011-116 SIGNATURE: [signature] DATE: 11 22 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 112211 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 655 | 1605 | 550 | 3.0 | 3.0 | 1650 | 3/100 | <0.0011 | 7400 "A" Rules |
| 112211 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 658 | 1607 | 549 | 3.0 | 3.0 | 1647 | 5/100 | <0.0011 | 7400 "A" Rules |
| 112211 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 656 | 1608 | 552 | 3.0 | 3.0 | 1656 | 3/100 | <0.0011 | 7400 "A" Rules |
| 112211 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 700 | 1610 | 550 | 3.0 | 3.0 | 1650 | 1/100 | <0.0011 | 7400 "A" Rules |
| 112211 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 702 | 1612 | 550 | 3.0 | 3.0 | 1650 | 6/100 | 0.0017 | 7400 "A" Rules |
| 112211 06 | BLK | Field Blank | | | | | | | | — | <0.01 | 7400 "A" Rules |
| 112211 07 | BLK | QC Blank | | | | | | | | — | <0.01 | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11/22/11
Accepted: [signature] Date: 11/23/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 30, 2011
Analysis Date: November 30, 2011
Report Date: November 30, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (11-29-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 112911-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1665 | 0.003 |
| 112911-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1668 | 0.002 |
| 112911-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1668 | <0.001 |
| 112911-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1677 | 0.002 |
| 112911-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1680 | 0.002 |
| 112911-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 112911-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN ROBERTO LIRIOS
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11/29/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 29 11 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 706 | 1615 | 555 | 3.0 | 3.0 | 1665 | 9/100 | 0.0027 | 7400 "A" Rules |
| 11 29 11 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 706 | 1620 | 556 | 3.0 | 3.0 | 1668 | 7.5/101 | 0.0022 | 7400 "A" Rules |
| 11 29 11 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 722 | 1618 | 556 | 3.0 | 3.0 | 1668 | 3/101 | <0.0013 | 7400 "A" Rules |
| 11 29 11 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 706 | 1625 | 559 | 3.0 | 3.0 | 1677 | 8/101 | 0.0023 | 7400 "A" Rules |
| 11 29 11 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 707 | 1627 | 560 | 3.0 | 3.0 | 1680 | 7/101 | 0.0020 | 7400 "A" Rules |
| 11 29 11 06 | BLK | Field Blank | | | | | | | | 0/101 | <0.04 | 7400 "A" Rules |
| 11 29 11 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11 29 11
Accepted: [signature] Date: 11/30/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: December 1, 2011
Analysis Date: December 1, 2011
Report Date: December 1, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (11-30-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 112911-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1713 | 0.004 |
| 112911-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1710 | 0.003 |
| 112911-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1707 | 0.002 |
| 112911-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1710 | 0.002 |
| 112911-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1716 | 0.002 |
| 112911-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 112911-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.** **Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN ROBERTO UPNOE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11 30 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 30 11 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 1070 | 1631 | 571 | 3.0 | 3.0 | 1713 | 15/100 | 0.0043 | 7400 "A" Rules |
| 11 30 11 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 1065 | 1635 | 570 | 3.0 | 3.0 | 1710 | 11/100 | 0.0032 | 7400 "A" Rules |
| 11 30 11 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 1064 | 1633 | 569 | 3.0 | 3.0 | 1707 | 6/100 | 0.0017 | 7400 "A" Rules |
| 11 30 11 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 1067 | 1637 | 570 | 3.0 | 3.0 | 1710 | 5.5/100 | 0.0016 | 7400 "A" Rules |
| 11 30 11 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 1068 | 1640 | 572 | 3.0 | 3.0 | 1716 | 8/100 | 0.0023 | 7400 "A" Rules |
| 11 30 11 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 11 30 11 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. 02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11 30 11
Accepted: [signature] Date: 12/1/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: December 2, 2011
Analysis Date: December 2, 2011
Report Date: December 2, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (12-01-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 120111-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1742 | 0.002 |
| 120111-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1749 | 0.002 |
| 120111-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1749 | 0.002 |
| 120111-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1743 | 0.004 |
| 120111-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1740 | 0.003 |
| 120111-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 120111-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.** **Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN ROBERTO UNIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 12 01 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 120111 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 858 | 1440 | 582 | 30 | 30 | 1742 | 7/100 | 0.0019 | 7400 "A" Rules |
| 120111 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 710 | 1443 | 583 | 30 | 30 | 1749 | 8.5/100 | 0.0024 | 7400 "A" Rules |
| 120111 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 703 | 1446 | 583 | 30 | 30 | 1749 | 6/100 | 0.0017 | 7400 "A" Rules |
| 120111 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 709 | 1449 | 581 | 30 | 30 | 1743 | 13/100 | 0.0037 | 7400 "A" Rules |
| 120111 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 710 | 1450 | 580 | 30 | 30 | 1740 | 9.5/100 | 0.0027 | 7400 "A" Rules |
| 120111 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 120111 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET-02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 12 01.11
Accepted: [signature] Date: 12/2/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: December 3, 2011
Analysis Date: December 3, 2011
Report Date: December 3, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (12-02-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 120211-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1746 | 0.002 |
| 120211-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1746 | 0.003 |
| 120211-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1746 | 0.002 |
| 120211-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1746 | 0.003 |
| 120211-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1746 | 0.004 |
| 120211-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 120211-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN ROBERTO URIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE DATE 12 02 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 120211 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 659 | 1241 | 582 | 30 | 30 | 1746 | 7/100 | 0.0019 | 7400 "A" Rules |
| 120211 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 700 | 1242 | 582 | 30 | 30 | 1746 | 9/100 | 0.0025 | 7400 "A" Rules |
| 120211 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 702 | 1244 | 582 | 30 | 30 | 1746 | 6.5/100 | 0.0018 | 7400 "A" Rules |
| 120211 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 704 | 1246 | 582 | 30 | 30 | 1746 | 11/100 | 0.0031 | 7400 "A" Rules |
| 120211 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 706 | 1248 | 582 | 30 | 30 | 1746 | 13/100 | 0.0037 | 7400 "A" Rules |
| 120211 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 120211 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. 6702 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: Date: 12 02 11

Accepted: Date: 12/3/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: December 4, 2011
Analysis Date: December 4, 2011
Report Date: December 4, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (12-03-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 120211-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1725 | 0.002 |
| 120211-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1725 | 0.002 |
| 120211-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1725 | 0.002 |
| 120211-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1722 | 0.003 |
| 120211-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1722 | 0.003 |
| 120211-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 120211-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.** **Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN ROBERTO UNIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 12 03 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 03 11 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 655 | 1630 | 575 | 30 | 30 | 1725 | 8.5/100 | 0.0024 | 7400 "A" Rules |
| 12 03 11 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 657 | 1632 | 575 | 30 | 30 | 1725 | 6/100 | 0.0017 | 7400 "A" Rules |
| 12 03 11 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 659 | 1634 | 575 | 30 | 30 | 1725 | 5.5/100 | 0.0016 | 7400 "A" Rules |
| 12 03 11 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 702 | 1636 | 574 | 30 | 30 | 1722 | 12/100 | 0.0034 | 7400 "A" Rules |
| 12 03 11 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 704 | 1638 | 574 | 30 | 30 | 1722 | 9.5/100 | 0.0027 | 7400 "A" Rules |
| 12 03 11 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 12 03 11 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. 6702 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 12 03/11
Accepted: [signature] Date: 12/4/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: December 6, 2011
Analysis Date: December 6, 2011
Report Date: December 6, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (12-05-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 120511-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1725 | 0.002 |
| 120511-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1722 | 0.002 |
| 120511-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1731 | 0.002 |
| 120511-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1734 | 0.004 |
| 120511-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1731 | 0.005 |
| 120511-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 120511-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN Roberto Ulibe
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE DATE 12-05-11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL / CC | FIBERS REPORTED / CC | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 120511 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 655 | 1630 | 575 | 30 | 30 | 1725 | 6/100 | 0.0017 | 7400 "A" Rules |
| 120511 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 658 | 1632 | 574 | 30 | 30 | 1722 | 7.5/100 | 0.0021 | 7400 "A" Rules |
| 120511 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 657 | 1634 | 577 | 30 | 30 | 1731 | 8/100 | 0.0023 | 7400 "A" Rules |
| 120511 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 700 | 1636 | 578 | 30 | 30 | 1734 | 13/100 | 0.0037 | 7400 "A" Rules |
| 120511 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 702 | 1639 | 577 | 30 | 30 | 1731 | 16.5/100 | 0.0047 | 7400 "A" Rules |
| 120511 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 120511 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: Date: 12/05/11
Accepted: Date: 12-6-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: December 7, 2011
Analysis Date: December 7, 2011
Report Date: December 7, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (12-06-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 120611-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1755 | <0.001 |
| 120611-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1755 | <0.001 |
| 120611-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1752 | 0.002 |
| 120611-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1755 | 0.003 |
| 120611-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1755 | 0.004 |
| 120611-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 120611-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN ROBERTO UMBE

CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 12 06 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 06 11 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 955 | 1640 | 585 | 30 | 30 | 1755 | 4/100 | <0.0011 | 7400 "A" Rules |
| 12 06 11 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 955 | 1640 | 585 | 30 | 30 | 1755 | 3.5/100 | <0.0011 | 7400 "A" Rules |
| 12 06 11 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 910 | 1640 | 584 | 30 | 30 | 1752 | 6/100 | 0.0017 | 7400 "A" Rules |
| 12 06 11 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 702 | 1640 | 585 | 30 | 30 | 1755 | 9/100 | 0.0025 | 7400 "A" Rules |
| 12 06 11 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 704 | 1640 | 585 | 30 | 30 | 1755 | 12.5/100 | 0.0035 | 7400 "A" Rules |
| 12 06 11 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 12 06 11 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. 6702 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 12-06-11
Accepted: [signature] Date: 12-7-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: December 8, 2011
Analysis Date: December 8, 2011
Report Date: December 8, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (12-07-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 120711-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1095 | 0.003 |
| 120711-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1095 | 0.003 |
| 120711-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1095 | 0.004 |
| 120711-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1092 | 0.006 |
| 120711-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1092 | 0.004 |
| 120711-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 120711-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN ROBERTO LIRIGG
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 12/07/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 120711 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 655 | 1300 | 365 | 3.0 | 3.0 | 1095 | 7/100 | 0.0031 | 7400 "A" Rules |
| 120711 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 657 | 1302 | 365 | 3.0 | 3.0 | 1095 | 6.5/100 | 0.0029 | 7400 "A" Rules |
| 120711 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 659 | 1304 | 365 | 3.0 | 3.0 | 1095 | 8/100 | 0.0036 | 7400 "A" Rules |
| 120711 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 701 | 1306 | 364 | 3.0 | 3.0 | 1092 | 13/100 | 0.0058 | 7400 "A" Rules |
| 120711 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 703 | 1307 | 364 | 3.0 | 3.0 | 1092 | 14.5/100 | 0.0065 | 7400 "A" Rules |
| 120711 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 120711 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. 6702 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 12 07 11
Accepted: [signature] Date: 12/8/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: December 9, 2011
Analysis Date: December 9, 2011
Report Date: December 9, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Site Perimeter Monitoring (12-08-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| 120811-S/P-01 | Fixed Monitoring Loc. #1, West Perimeter | 1005 | 0.003 |
| 120811-S/P-02 | Fixed Monitoring Loc. #2, S.W. Perimeter | 1005 | 0.004 |
| 120811-S/P-03 | Fixed Monitoring Loc. #3, N.W. Perimeter | 1005 | 0.003 |
| 120811-S/P-04 | Non-Fixed Monit. Loc. #4, N.W. Track 2 Area | 1005 | 0.008 |
| 120811-S/P-05 | Non-Fixed Monit. Loc. #5, N.E. Track 2 Area | 1005 | 0.007 |
| 120811-BLK-06 | Field Blank | -- | <0.04 F/FLD |
| 120811-BLK-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.** **Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Site Perimeter Monitoring TECHNICIAN ROBERTO UNIOS
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 12 08 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL / CC | REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 120811 01 | S/P | Fixed Monitoring Location #1, West | Gil Air-5 | 655 | 1230 | 335 | 30 | 30 | 1005 | 0/100 | 0.0029 | 7400 "A" Rules |
| 120811 02 | S/P | Fixed Monitoring Location #2, S.W. | Gil Air-5 | 657 | 1232 | 335 | 30 | 30 | 1005 | 8.5/100 | 0.0041 | 7400 "A" Rules |
| 120811 03 | S/P | Fixed Monitoring Location #3, N.W. | Gil Air-5 | 659 | 1234 | 335 | 30 | 30 | 1005 | 7/100 | 0.0034 | 7400 "A" Rules |
| 120811 04 | S/P | Non-Fixed Monitoring Location #4, N.W. of Track 2 Area | Gil Air-5 | 701 | 1236 | 335 | 30 | 30 | 1005 | 16/100 | 0.0078 | 7400 "A" Rules |
| 120811 05 | S/P | Non-Fixed Monitoring Location #5, N.E. of Track 2 Area | Gil Air-5 | 703 | 1238 | 335 | 30 | 30 | 1005 | 14.5/100 | 0.0071 | 7400 "A" Rules |
| 120811 06 | BLK | Field Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |
| 120811 07 | BLK | QC Blank | | | | | | | | 0/100 | <0.04 | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 12 08 11
Accepted: [signature] Date: 12/9/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test
POST - Clearance
S/P - Site Perimeter
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

ENVIRONMENTAL TACTICS, INC.

# WORK AREA AIR SAMPLES

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: October 26, 2011
Analysis Date: October 27, 2011
Report Date: October 27, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (10-26-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| STA-01-01 | Building #18, West Side | 1590 | 0.005 |
| STA-01-02 | Building #18, East Side | 1590 | 0.003 |
| STA-01-03 | Building #18, North Side | 1590 | 0.003 |
| BLK-01-04 | Field Blank | -- | <0.04 F/FLD |
| BLK-01-05 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.** **Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN Roberto Lugo
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 10/26/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS / CC ACTUAL | FIBERS / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 01 | STD | BUILDING #18 WEST SIDE | SKC | 810 | 1710 | 530 | 30 | 30 | 1590 | 18/100 | 0.0051 | 7400 "A" Rules |
| 01 02 | STD | BUILDING #18 EAST SIDE | SKC | 811 | 1701 | 530 | 30 | 30 | 1590 | 9-5/100 | 0.0027 | 7400 "A" Rules |
| 01 03 | STD | BUILDING #18 NORTH SIDE | SKC | 812 | 1702 | 530 | 30 | 30 | 1590 | 12/100 | 0.0034 | 7400 "A" Rules |
| 01 04 | Blk | FIELD BLANK | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 01 05 | Blk | QUALITY CONTROL | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET 02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 10/26/11
Accepted: [signature] Date: 10/27/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: October 27, 2011
Analysis Date: October 27, 2011
Report Date: October 27, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (10-27-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| EXT-02-01 | Building #18, West Side | 1788 | 0.003 |
| EXT-02-02 | Building #18, East Side | 1788 | 0.004 |
| CB-02-03 | Building #18, North Side | 1788 | 0.003 |
| BLK-02-04 | Field Blank | -- | <0.04 F/FLD |
| BLK-02-05 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO LINES
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE DATE 10/27/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02 01 | EA | BUILDING #18 WEST SIDE | SKC | 702 | 1658 | 596 | 30 | 30 | 1788 | 13/100 | 0.0033 | 7400 "A" Rules |
| 02 02 | EA | BUILDING #18 EAST SIDE | SKC | 703 | 1659 | 596 | 30 | 30 | 1788 | 15.5/100 | 0.0039 | 7400 "A" Rules |
| 02 03 | C.D. | BUILDING NORTH SIDE | SKC | 704 | 1700 | 596 | 30 | 30 | 1788 | 11/100 | 0.0028 | 7400 "A" Rules |
| 02 04 | BLK | FIBER BLANK | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 02 05 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. 6T03 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: Date: 10/27/11
Accepted: Date: 10/27/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: October 29, 2011
Analysis Date: October 29, 2011
Report Date: October 29, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (10-28-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| EXT-03-01 | Building #18, West Side | 1695 | 0.004 |
| EXT-03-02 | Building #18, East Side | 1695 | 0.005 |
| EXT-03-03 | Building #18, South Side | 1695 | 0.003 |
| BLK-03-04 | Field Blank | -- | <0.04 F/FLD |
| BLK-03-05 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO UNIOS
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 10/28/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 03 01 | EA | BUILDING 18 WEST SIDE | SKC | 730 | 1655 | 565 | 30 | 30 | 1695 | 17/100 | 0.0038 | 7400 "A" Rules |
| 03 02 | EA | BUILDING 18 EAST SIDE | SKC | 731 | 1656 | 565 | 30 | 30 | 1695 | 15.5/100 | 0.0045 | 7400 "A" Rules |
| 03 03 | EA | BUILDING 18 SOUTH SIDE | SKC | 732 | 1657 | 565 | 30 | 30 | 1695 | 9/100 | 0.0026 | 7400 "A" Rules |
| 03 04 | BLK | FIELD BLANK | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 03 05 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 10/28/11
Accepted: [signature] Date: 10/29/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: October 31, 2011
Analysis Date: October 31, 2011
Report Date: October 31, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (10-29-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT,F/CC |
|---|---|---|---|
| EXT-04-01 | Building #18 Exterior, West Side | 1146 | 0.003 |
| EXT-04-02 | Building #18 Exterior, East Side | 1146 | 0.003 |
| EXT-04-03 | Building #18 Exterior, South Side | 1146 | 0.004 |
| BLK-04-04 | Field Blank | -- | <0.04 F/FLD |
| BLK-04-05 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN Roberto Uribe
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 10/29/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04 01 | EXT | BUILDING #18 EXTERIOR WEST SIDE | SKC | 730 | 1352 | 382 | 3.0 | 3.0 | 1146 | 8/100 | 0.0034 | 7400 "A" Rules |
| 04 02 | E.B. | BUILDING #18 EXTERIOR EAST SIDE | SKC | 731 | 1353 | 382 | 3.0 | 3.0 | 1146 | 6.5/100 | 0.0028 | 7400 "A" Rules |
| 04 03 | EXT | BUILDING #18 EXTERIOR SOUTH SIDE | SKC | 732 | 1354 | 382 | 3.0 | 3.0 | 1146 | 9/100 | 0.0039 | 7400 "A" Rules |
| 04 04 | BLK | FIELD BLANK | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 04 05 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 10/29/11
Accepted: [signature] Date: 10-31-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 1, 2011
Analysis Date: November 1, 2011
Report Date: November 1, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (10-31-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| EXT-05-01 | Building #18 Exterior, West Side | 1110 | 0.004 |
| EXT-05-02 | Building #18 Exterior, East Side | 1110 | 0.006 |
| EXT-05-03 | Building #18 Exterior, North Side | 1110 | 0.005 |
| BLK-05-04 | Field Blank | -- | <0.04 F/FLD |
| BLK-05-05 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO UNUS

CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE DATE 10 31 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05 01 | BT | BY BLDG #18 WEST SIDE | SKC | 730 | 1340 | 370 | 3.0 | 30 | 1110 | 9/100 | 0.0040 | 7400 "A" Rules |
| 05 02 | BT | BY BLDG #18 EAST SIDE | SKC | 731 | 1341 | 370 | 3.0 | 30 | 1110 | 13/100 | 0.0057 | 7400 "A" Rules |
| 05 03 | BT | BY BLDG #18 NORTH SIDE | SKC | 732 | 1342 | 370 | 3.0 | 30 | 1110 | 11/100 | 0.0049 | 7400 "A" Rules |
| 08 04 | BLK | FIELD BLANK | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 05 05 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET 02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: Date: 10/31/11
Accepted: Date: 11-1-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 2, 2011
Analysis Date: November 2, 2011
Report Date: November 2, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (11-01-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT,F/CC |
|---|---|---|---|
| EXT-06-01 | Building #18 Exterior, West Side | 1395 | 0.005 |
| EXT-06-02 | Building #18 Exterior, North Side | 1395 | 0.003 |
| EXT-06-03 | Building #18 Exterior, East Side | 1395 | 0.005 |
| BLK-06-04 | Field Blank | -- | <0.04 F/FLD |
| BLK-06-05 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO UMBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11.01-11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06 01 | BK | By Building #18 West Side | SKC | 725 | 1510 | 465 | 3.0 | 3.0 | 1395 | 13/100 | 0.0046 | 7400 "A" Rules |
| 06 02 | BK | By Building #18 North Side | SKC | 724 | 1511 | 465 | 3.0 | 3.0 | 1395 | 9/100 | 0.0032 | 7400 "A" Rules |
| 06 03 | BK | By Building #18 East Side | SKC | 727 | 1512 | 465 | 3.0 | 3.0 | 1395 | 15/100 | 0.0053 | 7400 "A" Rules |
| 06 04 | BLK | Field Blank | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 06 05 | BLK | Chain of Custody | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET 02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11.01.11
Accepted: [signature] Date: 11-2-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 3, 2011
Analysis Date: November 3, 2011
Report Date: November 3, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (11-02-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| EXT-07-01 | Building #18 Exterior, West Side | 1650 | 0.004 |
| EXT-07-02 | Building #18 Exterior, East Side | 1650 | 0.003 |
| EXT-07-03 | Building #18 Exterior | 1650 | 0.002 |
| BLK-07-04 | Field Blank | -- | <0.04 F/FLD |
| BLK-07-05 | Quality Control | -- | <0.04 F/FLD |
| EXT-07-06 | By Building #21, Up-wind | 930 | 0.005 |
| EXT-07-07 | By Building #21, Down-wind | 930 | 0.003 |

Thomas P. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.** **Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO UNIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11 02 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07 01 | EXT | BOILOWS # 18 WEST SIDE | SKC | 720 | 1630 | 550 | 3.0 | 3.0 | 1650 | 14/100 | 0.0042 | 7400 "A" Rules |
| 07 02 | EXT | BOILOWS # 18 EAST SIDE | SKC | 721 | 1631 | 550 | 3.0 | 3.0 | 1650 | 9.5/100 | 0.0028 | 7400 "A" Rules |
| 07 03 | EXT | BOILOWS # 18 | SKC | 722 | 1632 | 550 | 3.0 | 3.0 | 1650 | 8/100 | 0.0024 | 7400 "A" Rules |
| 07 04 | BLK | FIELD BLANK | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 07 05 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 07 06 | EXT | BY BOILOWS # 21 UP WIND | EAST | 1630 | 1633 | 155 | 6.0 | 6.0 | 930 | 9/100 | 0.0047 | 7400 "A" Rules |
| 07 07 | EXT | BY BOILOWS # 2 DOWN WIND | EAST | 1630 | 1634 | 155 | 6.0 | 6.0 | 930 | 6.5/100 | 0.0034 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET 02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11-02-11
Accepted: [signature] Date: 11/3/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 4, 2011
Analysis Date: November 4, 2011
Report Date: November 4, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (11-03-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| EXT-08-01 | Building #18 Exterior, West Side | 1590 | 0.004 |
| EXT-08-02 | Building #18 Exterior, North Side | 1590 | 0.003 |
| EXT-08-03 | Building #18 Exterior, East Side | 1590 | 0.004 |
| EXT-08-04 | By Building #21, Up-wind | 569 | 0.004 |
| EXT-08-05 | By Building #21, Down-wind | 569 | 0.004 |
| BLK-08-06 | Field Blank | -- | <0.04 F/FLD |
| BLK-08-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO URIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11 03 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08 01 | BKD | By Bldg #18 West Side | SKC | 730 | 1620 | 530 | 3.0 | 3.0 | 1590 | 11.5/100 | 0.0035 | 7400 "A" Rules |
| 08 02 | BKD | By Bldg #18 North Side | SKC | 731 | 1621 | 530 | 3.0 | 3.0 | 1590 | 9.5/100 | 0.0029 | 7400 "A" Rules |
| 08 03 | BKD | By Bldg #18 East Side | SKC | 732 | 1622 | 530 | 3.0 | 3.0 | 1590 | 12/100 | 0.0037 | 7400 "A" Rules |
| 08 04 | BKD | By Building #21 East End Wind | GAST | 740 | 1623 | 523 | 3.0 | 30 | 1569 | 13/100 | 0.0041 | 7400 "A" Rules |
| 08 05 | BKD | By Building #21 Down Wind | GAST | 741 | 1624 | 523 | 3.0 | 30 | 1569 | 14/100 | 0.0044 | 7400 "A" Rules |
| 08 06 | BLK | Field Blank | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 08 07 | BLK | Clorox Control | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11 03 11
Accepted: [signature] Date: 11/4/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 9, 2011
Analysis Date: November 9, 2011
Report Date: November 9, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (11-08-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| EXT-09-01 | Building #18 Exterior, West Side | 1680 | 0.004 |
| EXT-09-02 | Building #18 Exterior, South Side | 1680 | 0.005 |
| EXT-09-03 | Building #18 Exterior, East Side | 1680 | 0.006 |
| EXT-09-04 | By Building #21, Up-wind | 1656 | 0.005 |
| EXT-09-05 | By Building #21, Down-wind | 1656 | 0.006 |
| BLK-09-06 | Field Blank | -- | <0.04 F/FLD |
| BLK-09-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO URIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11-08-11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09 01 | ET | By Bldg. #18 West side | SKC | 730 | 1650 | 560 | 3.0 | 3.0 | 1680 | 14/100 | 0.0041 | 7400 "A" Rules |
| 09 02 | ET | By Bldg #18 South side | SKC | 731 | 1651 | 560 | 3.0 | 3.0 | 1680 | 17.5/100 | 0.0051 | 7400 "A" Rules |
| 09 03 | ET | By Bldg #18 East side | SKC | 732 | 1652 | 560 | 3.0 | 3.0 | 1680 | 19/100 | 0.0055 | 7400 "A" Rules |
| 09 04 | ET | By Bldg #21 Up wind | GAST | 740 | 1555 | 552 | 3.0 | 3.0 | 1656 | 16/100 | 0.0049 | 7400 "A" Rules |
| 09 05 | ET | By Bldg #21 Down wind | GAST | 741 | 1656 | 552 | 3.0 | 3.0 | 1656 | 21/100 | 0.0062 | 7400 "A" Rules |
| 09 06 | Blk | Field Blank | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 09 07 | Blk | Quality Control | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

**ADDITIONAL FIELD DATA:**

**ADDITIONAL ANALYSIS INFO.:**

Rotameter No. ET 02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11/08/11
Accepted: [signature] Date: 11/9/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 10, 2011
Analysis Date: November 10, 2011
Report Date: November 10, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (11-09-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| D/CON-10-01 | Building 18 - D/Con, Clean Room | 1680 | 0.005 |
| CB-10-02 | Building #18 - Critical Barrier, East Side | 1680 | 0.003 |
| D/CON-10-03 | Building #18 - Waste D/Con Holding Area | 1680 | 0.003 |
| EXT-10-04 | By Building #21, Up-wind | 1470 | 0.005 |
| EXT-10-05 | By Building #21, Down-wind | 1470 | 0.004 |
| BLK-10-06 | Field Blank | -- | <0.04 F/FLD |
| BLK-10-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.** **Fiber Air Sampling Log**

SITE: Standard Chlorine Chemical Co., Inc. BLDG./PHASE: Bl. #15, 17, 18 & 21/ TECHNICIAN: ROBERTO UNGE
CLIENT: Key Environmental, Inc., Carnegie, PA JOB NUMBER: 2011-116 SIGNATURE: DATE: 11-09-11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 01 | O/UO | PERSONAL DECON CLEAN ROOM | SKC | 730 | 1650 | 560 | 3.0 | 3.0 | 1680 | 17/100 | 0.0050 | 7400 "A" Rules |
| 10 02 | G.B. | CRITICAL BARRIER EAST SIDE | SKC | 731 | 1651 | 560 | 3.0 | 3.0 | 1680 | 9.5/100 | 0.0028 | 7400 "A" Rules |
| 10 03 | WASTE DECON | WASTE DECONTAMINATION HOLDING AREA | SKC | 732 | 1652 | 560 | 3.0 | 3.0 | 1680 | 11/100 | 0.0032 | 7400 "A" Rules |
| 10 04 | GA | UP WIND BLDG #21 | GAST | 8:10 | 1520 | 490 | 3.0 | 3.0 | 1470 | 14/100 | 0.0047 | 7400 "A" Rules |
| 10 05 | GA | DOWN WIND BLDG #21 | GAST | 811 | 1521 | 490 | 3.0 | 3.0 | 1470 | 12.5/100 | 0.0042 | 7400 "A" Rules |
| 10 06 | BLK | FIELD BLANK | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 10 07 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET 02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: Date: 11 09 11
Accepted: Date: 11-10-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 11, 2011
Analysis Date: November 11, 2011
Report Date: November 11, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (11-10-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| D/CON-11-01 | Building 18 - D/Con, Clean Room | 1785 | 0.004 |
| CB-11-02 | Building #18 - Critical Barrier, West Side | 1785 | 0.003 |
| D/CON-11-03 | Building #18 - Waste D/Con Holding Area | 1785 | 0.002 |
| EXT-11-04 | By Building #21, Up-wind | 960 | 0.005 |
| EXT-11-05 | By Building #21, Down-wind | 960 | 0.006 |
| BLK-11-06 | Field Blank | -- | <0.04 F/FLD |
| BLK-11-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO [illegible]
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11/10/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 01 | D/CON | PERSONAL DECON CLEAN ROOM BLD 18 | SKC | 70 | 1655 | 595 | 30 | 30 | 1785 | 13/100 | 0.0036 | 7400 "A" Rules |
| 11 02 | CB | BY WEST SIDE OF THE BUILDING #18 | SKC | 701 | 1656 | 595 | 30 | 30 | 1785 | 11/100 | 0.0030 | 7400 "A" Rules |
| 11 03 | D/CON | WASTE DECON HOLDING AREA BUILDING #18 | SKC | 702 | 1657 | 595 | 30 | 30 | 1785 | 7.5/100 | 0.0021 | 7400 "A" Rules |
| 11 04 | EXT | UP WIND | SKC | 110 | 1620 | 320 | 30 | 30 | 960 | 9/100 | 0.0046 | 7400 "A" Rules |
| 11 05 | EXT | DOWN WIND | GAST | 1101 | 1621 | 320 | 30 | 30 | 960 | 12/100 | 0.0061 | 7400 "A" Rules |
| 11 06 | BLK | FIELD BLANK | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 11 07 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11-10-11

Accepted: [signature] Date: 11-11-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 12, 2011
Analysis Date: November 12, 2011
Report Date: November 14, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (11-11-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| D/CON-12-01 | Building 18 - D/Con, Clean Room | 1725 | 0.004 |
| AFD-12-02 | Building #18 - AFD Exhaust, West Side | 1725 | 0.003 |
| D/CON-12-03 | Building #18 - Waste D/Con Holding Area | 1725 | 0.003 |
| EXT-12-04 | By Building #17, Up-wind | 1140 | 0.006 |
| EXT-12-05 | By Building #17, Down-wind | 1140 | 0.003 |
| BLK-12-06 | Field Blank | -- | <0.04 F/FLD |
| BLK-12-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO UALOS
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11 11 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 01 | DECON | PERSONAL DECON CLEAN ROOM | SKC | 715 | 1650 | 575 | 3.0 | 3.0 | 1725 | 14/100 | 0.0040 | 7400 "A" Rules |
| 12 02 | AFD | AFD EXHAUST WEST SIDE | SKC | 716 | 1651 | 575 | 3.0 | 3.0 | 1725 | 9/100 | 0.0026 | 7400 "A" Rules |
| 12 03 | DECON | HOLDING AREA WASTE DECON | SKC | 717 | 1652 | 575 | 3.0 | 3.0 | 1725 | 11-5/100 | 0.0033 | 7400 "A" Rules |
| 12 04 | EXT | UPWIND BY BUILDING #17 | SKC | 1001 | 1620 | 380 | 3.0 | 3.0 | 1140 | 13/100 | 0.0056 | 7400 "A" Rules |
| 12 05 | EXT | DOWNWIND BY BUILDING #17 | SKC | 1001 | 1621 | 380 | 3.0 | 3.0 | 1140 | 7/100 | 0.0030 | 7400 "A" Rules |
| 12 06 | BLK | Field Blank | — | | | — | | | — | 0/100 | <0.04 | 7400 "A" Rules |
| 12 07 | BLK | Quality control | — | | | — | | | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11-11-11
Accepted: [signature] Date: 11-12-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 14, 2011
Analysis Date: November 14, 2011
Report Date: November 14, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (11-12-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| D/CON-13-01 | Building 18 - D/Con, Clean Room | 1740 | 0.005 |
| CB-13-02 | Building #18 - Critical Barrier, West Side | 1740 | 0.004 |
| D/CON-13-03 | Building #18 - Waste D/Con Holding Area | 1740 | 0.004 |
| EXT-13-04 | By Building #17, Up-wind | 1134 | 0.002 |
| EXT-13-05 | By Building #17, Down-wind | 1134 | 0.003 |
| BLK-13-06 | Field Blank | -- | <0.04 F/FLD |
| BLK-13-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.** **Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO URIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11 12 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS / CC ACTUAL | FIBERS / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 01 | D/CON | PERSONAL DECON CLEAN ROOM BLDG #18 | SKC | 715 | 1655 | 580 | 3.0 | 3.0 | 1740 | 16/100 | 0.0045 | 7400 "A" Rules |
| 13 02 | CB. | BY THE DOOR WEST SIDE BLDG #18 | SKC | 716 | 1656 | 580 | 3.0 | 3.0 | 1740 | 12.5/100 | 0.0035 | 7400 "A" Rules |
| 13 03 | D/CON | WASTE DECON HOLDING AREA BLDG #18 | SKC | 717 | 1657 | 580 | 3.0 | 3.0 | 1740 | 13/100 | 0.0037 | 7400 "A" Rules |
| 13 04 | EXT | UP WIND BLDG. #17 | SKC | 720 | 1658 | 578 | 3.0 | 3.0 | 1734 | 8/100 | 0.0023 | 7400 "A" Rules |
| 13 05 | EXT | DOWN WIND BLDG #17 | GAST. | 721 | 1659 | 578 | 3.0 | 3.0 | 1734 | 11.5/100 | 0.0033 | 7400 "A" Rules |
| 13 06 | BLK | FIELD BLANK | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 13 07 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ETO2 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11 12 11

Accepted: [signature] Date: 11-14-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 15, 2011
Analysis Date: November 15, 2011
Report Date: November 15, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (11-14-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| D/CON-14-01 | Building 18 - D/Con, Clean Room | 1731 | 0.006 |
| CB-14-02 | Building #18 - Critical Barrier, West Side | 1731 | 0.004 |
| D/CON-14-03 | Building #18 - Waste D/Con Holding Area | 1731 | 0.005 |
| EXT-14-04 | By Building #15, South Side | 1626 | 0.003 |
| EXT-14-05 | By Building #15, North Side | 1626 | 0.004 |
| BLK-14-06 | Field Blank | -- | <0.04 F/FLD |
| BLK-14-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.** **Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO URIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11 14 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 01 | DECON | PERSONAL DECON CLEAN ROOM BLDG. 18 | SKC | 720 | 1657 | 577 | 3.0 | 3.0 | 1731 | 21/100 | 0.0059 | 7400 "A" Rules |
| 14 02 | C.B. | BY THE DOOR WEST SIDE BLDG #18 | SKC | 721 | 1658 | 577 | 3.0 | 3.0 | 1731 | 13/100 | 0.0037 | 7400 "A" Rules |
| 14 03 | DECON | BY THE WASTE DECON BLDG. #18 | SKC | 722 | 1659 | 577 | 3.0 | 3.0 | 1731 | 16.5/100 | 0.0047 | 7400 "A" Rules |
| 14 04 | EXT | BY THE BLDG. #15 SOUTH SIDE | SKC | 8.0 | 1702 | 542 | 3.0 | 3.0 | 1626 | 9/100 | 0.0027 | 7400 "A" Rules |
| 14 05 | EXT | BY THE BLDG #15 NORTH SIDE | SKC | 801 | 1703 | 542 | 3.0 | 3.0 | 1626 | 14/100 | 0.0042 | 7400 "A" Rules |
| 14 06 | BLK | FIELD BLANK | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 14 07 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET 02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11 14/11

Accepted: [signature] Date: 11-15-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 16, 2011
Analysis Date: November 16, 2011
Report Date: November 16, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (11-15-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| D/CON-15-01 | Building 18 - D/Con, Clean Room | 1680 | 0.005 |
| CB-15-02 | Building #18 - Critical Barrier, West Side | 1680 | 0.003 |
| D/CON-15-03 | Building #18 - Waste D/Con Holding Area | 1680 | 0.004 |
| EXT-15-04 | By Building #15, Up-Wind | 1674 | 0.003 |
| EXT-15-05 | By Building #15, Down-Wind | 1674 | 0.004 |
| BLK-15-06 | Field Blank | -- | <0.04 F/FLD |
| BLK-15-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE: Standard Chlorine Chemical Co., Inc. BLDG./PHASE: Bl. #15, 17, 18 & 21/ TECHNICIAN: ROBERTO UNUBE
CLIENT: Key Environmental, Inc., Carnegie, PA JOB NUMBER: 2011-116 SIGNATURE: [signature] DATE: 11/15/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 01 | DEBON | PERSONAL DEBON CLEAN ROOM | SKC | 730 | 1450 | 560 | 3.0 | 3.0 | 1680 | 17/100 | 0.0050 | 7400 "A" Rules |
| 15 02 | UP. | WEST SIDE OF BLDG #18 | SKC | 731 | 1651 | 560 | 3.0 | 3.0 | 1680 | 9.5/100 | 0.0028 | 7400 "A" Rules |
| 15 03 | DEBON | WASTE DEBON BLDG #18 HOLDING AREA | SKC | 732 | 1652 | 560 | 3.0 | 3.0 | 1680 | 14/100 | 0.0041 | 7400 "A" Rules |
| 15 04 | EXT | BLDG. 15 UP WIND | SKC | 735 | 1653 | 558 | 3.0 | 3.0 | 1674 | 11/100 | 0.0032 | 7400 "A" Rules |
| 15 05 | EXT | BLDG 15 DOWN WIND | SKC | 736 | 1654 | 558 | 3.0 | 3.0 | 1674 | 14/100 | 0.0041 | 7400 "A" Rules |
| 15 06 | BLK | FIELD BLANK | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 15 07 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11/15/11
Accepted: [signature] Date: 11-16-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 17, 2011
Analysis Date: November 17, 2011
Report Date: November 17, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (11-16-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| D/CON-16-01 | Building 18 - D/Con, Clean Room | 1710 | 0.005 |
| CB-16-02 | Building #18 - Critical Barrier, West Side | 1710 | 0.003 |
| D/CON-16-03 | Building #18 - Waste D/Con Holding Area | 1710 | 0.004 |
| EXT-16-04 | By Building #15, Up-Wind | 1440 | 0.002 |
| EXT-16-05 | By Building #15, Down-Wind | 1440 | 0.005 |
| BLK-16-06 | Field Blank | -- | <0.04 F/FLD |
| BLK-16-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.** **Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN Roberto Uribe
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11-16-11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | FIBERS / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 01 | D/CON | PERSONAL DECON CLEAN ROOM | SKC | 720 | 1650 | 570 | 3.0 | 3.0 | 1710 | 17/100 | 0.0049 | 7400 "A" Rules |
| 16 02 | CB | SOUTH WEST OF BLDG #18 | SKC | 721 | 1651 | 570 | 3.0 | 3.0 | 1710 | 11/100 | 0.0032 | 7400 "A" Rules |
| 16 03 | D/CON | WASTE DECON BLDG #18 | SKC | 722 | 1652 | 570 | 3.0 | 3.0 | 1710 | 13/100 | 0.0037 | 7400 "A" Rules |
| 16 04 | EX | BLDG #15 UP WIND | SKC | 730 | 1530 | 480 | 3.0 | 3.0 | 1440 | 7/100 | 0.0024 | 7400 "A" Rules |
| 16 05 | EX | BLDG #15 DOWN WIND | SKC | 731 | 1531 | 480 | 3.0 | 3.0 | 1440 | 15/100 | 0.0051 | 7400 "A" Rules |
| 16 06 | BLK | FIELD BLANK | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 16 07 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ETO2 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11/16/11
Accepted: [signature] Date: 11/17/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 18, 2011
Analysis Date: November 18, 2011
Report Date: November 18, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (11-17-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| D/CON-17-01 | Building 18 - D/Con, Clean Room | 1728 | 0.005 |
| CB-17-02 | Building #18 - Critical Barrier, West Side | 1728 | 0.003 |
| D/CON-17-03 | Building #18 - Waste D/Con Holding Area | 1728 | 0.004 |
| BLK-17-04 | Field Blank | -- | <0.04 F/FLD |
| BLK-17-05 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.** **Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO URIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11 17 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17 01 | D/CON | PERSONAL DECON CLEAN ROOM | SKC | 720 | 1656 | 576 | 3.0 | 3.0 | 1728 | 10/100 | 0.0045 | 7400 "A" Rules |
| 17 02 | CB. | NORTH WEST BY THE DOOR | SKC | 721 | 1657 | 576 | 3.0 | 3.0 | 1728 | 12/100 | 0.0034 | 7400 "A" Rules |
| 17 03 | DECON | WASTE DECON HOLDING AREA | SKC | 722 | 1658 | 576 | 3.0 | 3.0 | 1728 | 13/100 | 0.0037 | 7400 "A" Rules |
| 17 04 | BLK | FIELD BLANK | – | – | – | – | – | – | – | 0/100 | <0.04 | 7400 "A" Rules |
| 17 05 | BLK | QUALITY CONTROL | – | – | – | – | – | – | – | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET-02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11 17 11

Accepted: [signature] Date: 11/18/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 19, 2011
Analysis Date: November 19, 2011
Report Date: November 19, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (11-18-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| D/CON-18-01 | Building 18 - D/Con, Clean Room | 1725 | 0.005 |
| CB-18-02 | Building #18 - Critical Barrier, West Side | 1725 | 0.002 |
| D/CON-18-03 | Building #18 - Waste D/Con Holding Area | 1725 | 0.003 |
| BLK-18-04 | Field Blank | -- | <0.04 F/FLD |
| BLK-18-05 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.** **Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO URIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11 18 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 01 | D/CON | PERSONAL DECON CLEAN ROOM | SKC | 770 | 1655 | 575 | 3.0 | 3.0 | 1725 | 18/100 | 0.0051 | 7400 "A" Rules |
| 18 02 | C.B. | WEST SIDE OF BLDG #18 by THE DOOR | SKC | 721 | 1656 | 575 | 3.0 | 3.0 | 1725 | 7.5/100 | 0.0021 | 7400 "A" Rules |
| 18 03 | DECON | WASTE DECON HOLDING AREA | SKC | 722 | 1657 | 575 | 3.0 | 3.0 | 1725 | 12/100 | 0.0034 | 7400 "A" Rules |
| 18 04 | BLK | FIELD BLANK | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 18 05 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11/18/11

Accepted: [signature] Date: 11/19/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 21, 2011
Analysis Date: November 21, 2011
Report Date: November 21, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (11-19-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| D/CON-19-01 | Building 18 - D/Con, Clean Room | 1749 | 0.005 |
| CB-19-02 | Building #18 - Critical Barrier, West Side | 1749 | 0.003 |
| D/CON-19-03 | Building #18 - Waste D/Con Holding Area | 1749 | 0.005 |
| BLK-19-04 | Field Blank | -- | <0.04 F/FLD |
| BLK-19-05 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO UNGE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11 19 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 01 | D/CON | PERSONAL DECON CLEAN ROOM | SKC | 715 | 1658 | 583 | 3.0 | 3.0 | 1749 | 16.5/100 | 0.0046 | 7400 "A" Rules |
| 19 02 | C.B. | WEST SIDE BLDG #18 BY THE DOOR | SKC | 716 | 1659 | 583 | 3.0 | 3.0 | 1749 | 12/100 | 0.0034 | 7400 "A" Rules |
| 19 03 | D/CON | WASTE DECON HOLDING AREA | SKC | 717 | 1710 | 583 | 3.0 | 3.0 | 1749 | 17/100 | 0.0048 | 7400 "A" Rules |
| 19 04 | BLK | FIELD BLANK | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 19 05 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET 02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11 19 11
Accepted: [signature] Date: 11/21/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 22, 2011
Analysis Date: November 22, 2011
Report Date: November 22, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (11-21-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| D/CON-20-01 | Building 18 - D/Con, Clean Room | 1710 | 0.003 |
| CB-20-02 | Building #18 - Critical Barrier, West Side | 1710 | <0.001 |
| D/CON-20-03 | Building #18 - Waste D/Con Holding Area | 1710 | <0.001 |
| EXT-20-04 | By Building #15, Up-Wind | 618 | <0.003 |
| EXT-20-05 | By Building #15, Down-Wind | 618 | <0.003 |
| BLK-20-06 | Field Blank | -- | <0.04 F/FLD |
| BLK-20-07 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO UNION
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE DATE 11-21-11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 01 | D/CON | PERSONAL DECON CLEAN ROOM | SKC | 720 | 1650 | 570 | 3.0 | 3.0 | 1710 | 9/100 | 0.0025 | 7400 "A" Rules |
| 20 02 | C.B. | WEST SIDE BLDG 18 BY THE DOOR | SKC | 721 | 1651 | 570 | 3.0 | 3.0 | 1710 | 3/100 | <0.0011 | 7400 "A" Rules |
| 20 03 | D/CON | WASTE DECON HOLDING AREA | SKC | 722 | 1652 | 570 | 3.0 | 3.0 | 1710 | 2/100 | <0.0011 | 7400 "A" Rules |
| 20 04 | EXT | UP WIND | SKC | 1330 | 1656 | 206 | 3.0 | 3.0 | 618 | 2/100 | <0.0031 | 7400 "A" Rules |
| 20 05 | EXT | DOWN WIND | SKC | 1331 | 1657 | 206 | 3.0 | 3.0 | 618 | 1/100 | <0.0031 | 7400 "A" Rules |
| 20 06 | BLK | FIELD BLANK | — | — | — | — | — | — | — | — | LOOP | 7400 "A" Rules |
| 20 07 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | — | LOOP | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET 02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: Date: 11/21/11
Accepted: Date: 11/22/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 23, 2011
Analysis Date: November 23, 2011
Report Date: November 23, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (11-22-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT,F/CC |
|---|---|---|---|
| EXT-21-01 | By Building #15, Up-Wind | 1635 | <0.001 |
| EXT-21-02 | By Building #15, Down-Wind | 1635 | <0.001 |
| BLK-21-03 | Field Blank | -- | <0.04 F/FLD |
| BLK-21-04 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE: Standard Chlorine Chemical Co., Inc. BLDG./PHASE: Bl. #15, 17, 18 & 21/ TECHNICIAN: ROBERTO UNICE
CLIENT: Key Environmental, Inc., Carnegie, PA JOB NUMBER: 2011-116 SIGNATURE: [signature] DATE: 11/22/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 01 | EXT | BLDG #15 UP WIND | SKC | 0710 | 1615 | 545 | 30 | 30 | 1635 | 2/100 | <0.0012 | 7400 "A" Rules |
| 21 02 | EXT | BLDG #15 DOWN WIND | SKC | 1110 | 1615 | 545 | 30 | 30 | 1635 | 3/100 | <0.0012 | 7400 "A" Rules |
| 21 03 | BLK | FIELD BLANK | — | — | — | — | — | — | — | — | <0.004 | 7400 "A" Rules |
| 21 04 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | — | <0.004 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET 02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11/22/11
Accepted: [signature] Date: 11/22/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 30, 2011
Analysis Date: November 30, 2011
Report Date: November 30, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (11-29-11)

## CERTIFICATE OF ANALYSIS

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| EXT-22-01 | By Building #15, Up-Wind | 1695 | 0.004 |
| EXT-22-02 | By Building #15, Down-Wind | 1695 | 0.003 |
| BLK-22-03 | Field Blank | -- | <0.04 F/FLD |
| BLK-22-04 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.** **Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO UNICE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE DATE 11 29 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22 01 | EX | BLDG. #15 UP WIND | SKC | 730 | 1655 | 565 | 3.0 | 3.0 | 1695 | 14/100 | 0.0041 | 7400 "A" Rules |
| 22 02 | EX | BLDG #15 DOWN WIND | SKC | 731 | 1656 | 565 | 3.0 | 3.0 | 1695 | 9.5/100 | 0.0027 | 7400 "A" Rules |
| 22 03 | BLK | FIELD BLANK | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 22 04 | BLK | CLUSTER CONTROL | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/30/11

Chain of Custody:
Relinquished: Date: 11 29 11
Accepted: Date: 11-30-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: December 1, 2011
Analysis Date: December 1, 2011
Report Date: December 1, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (11-30-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| EXT-23-01 | By Building #15, Up-Wind | 1755 | 0.004 |
| EXT-23-02 | By Building #15, Down-Wind | 1755 | 0.002 |
| EXT-23-03 | By Building #18, Up-Wind | 1752 | 0.003 |
| EXT-23-04 | By Building #18, Down-Wind | 1752 | 0.004 |
| BLK-23-05 | Field Blank | -- | <0.04 F/FLD |
| BLK-23-06 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO URIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE DATE 11 30 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23-01 | EXT | BUILDING #15 UP WIND | SKC | 715 | 1100 | 585 | 3.0 | 30 | 1755 | 13/100 | 0.0036 | 7400 "A" Rules |
| 23-02 | EXT | BUILDING #15 DOWN WIND | SKC | 716 | 1101 | 585 | 3.0 | 30 | 1755 | 7/100 | 0.0020 | 7400 "A" Rules |
| 23 03 | EXT | BUILDING #18 UP WIND | SKC | 718 | 1102 | 584 | 3.0 | 3.0 | 1752 | 11/100 | 0.0031 | 7400 "A" Rules |
| 23 04 | EXT | BUILDING #18 DOWN WIND | SKC | 719 | 1103 | 584 | 3.0 | 30 | 1752 | 14/100 | 0.0039 | 7400 "A" Rules |
| 23 05 | BLK | FIELD BLANK | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 23 06 | BLK | CONTROL | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: Date: 11/30/11
Accepted: Date: 12/1/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: December 2, 2011
Analysis Date: December 2, 2011
Report Date: December 2, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (12-01-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| EXT-24-01 | By Building #18, Up-Wind | 1695 | 0.003 |
| EXT-24-02 | By Building #18, Down-Wind | 1695 | 0.003 |
| EXT-24-03 | By Building #15, Up-Wind | 1695 | 0.002 |
| EXT-24-04 | By Building #15, Down-Wind | 1695 | 0.004 |
| BLK-24-05 | Field Blank | -- | <0.04 F/FLD |
| BLK-24-06 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.** **Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO UPABE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 12-01-11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | FIBERS / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 01 | EA | BLDG. #18 UP WIND | SKC | 730 | 1655 | 565 | 3.0 | 3.0 | 1695 | 4/100 | 0.0026 | 7400 "A" Rules |
| 24 02 | EA | BLDG #18 DOWN WIND | SKC | 731 | 1656 | 565 | 3.0 | 3.0 | 1695 | 11.5/100 | 0.0033 | 7400 "A" Rules |
| 24 03 | EA | BLDG #15 UP WIND | SKC | 733 | 1657 | 565 | 3.0 | 3.0 | 1695 | 7.5/100 | 0.0022 | 7400 "A" Rules |
| 24 04 | EA | BLDG #15 DOWN WIND | SKC | 734 | 1658 | 565 | 3.0 | 3.0 | 1695 | 14/100 | 0.0041 | 7400 "A" Rules |
| 24 05 | BLK | FIELD BLANK | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 24 06 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET 02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 12.01.11
Accepted: [signature] Date: 12/2/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: December 3, 2011
Analysis Date: December 3, 2011
Report Date: December 3, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (12-02-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT,F/CC |
|---|---|---|---|
| EXT-25-01 | By Building #18, Up-Wind | 1725 | 0.004 |
| EXT-25-02 | By Building #18, Down-Wind | 1725 | 0.003 |
| EXT-25-03 | By Building #15, Up-Wind | 1725 | 0.003 |
| EXT-25-04 | By Building #15, Down-Wind | 1725 | 0.004 |
| BLK-25-05 | Field Blank | -- | <0.04 F/FLD |
| BLK-24-06 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO URIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE DATE 12-02-11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | FIBERS / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 01 | EXT | BLDG #18 UP WIND | SKC | 720 | 1655 | 575 | 3.0 | 3.0 | 1725 | 13/100 | 0.0037 | 7400 "A" Rules |
| 25 02 | EXT | BLDG #18 DOWN WIND | SKC | 721 | 1656 | 575 | 3.0 | 3.0 | 1725 | 11.5/100 | 0.0033 | 7400 "A" Rules |
| 25 03 | EXT | BLDG #15 UP WIND | SKC | 722 | 1657 | 575 | 3.0 | 3.0 | 1725 | 9/100 | 0.0026 | 7400 "A" Rules |
| 25 04 | EXT | BLDG #15 DOWN WIND | SKC | 723 | 1658 | 575 | 3.0 | 3.0 | 1725 | 15/100 | 0.0043 | 7400 "A" Rules |
| 25 05 | BLK | FIELD BLANK | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 25 06 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

**ADDITIONAL FIELD DATA:**

**ADDITIONAL ANALYSIS INFO.:**

Rotameter No. 8702 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: Date: 12-02-11
Accepted: Date: 12/3/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: December 4, 2011
Analysis Date: December 4, 2011
Report Date: December 4, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (12-03-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| EXT-26-01 | By Building #18, Up-Wind | 1758 | 0.002 |
| EXT-26-02 | By Building #18, Down-Wind | 1758 | 0.003 |
| EXT-26-03 | By Building #15, Up-Wind | 1758 | 0.004 |
| EXT-26-04 | By Building #15, Down-Wind | 1758 | 0.005 |
| BLK-26-05 | Field Blank | -- | <0.04 F/FLD |
| BLK-24-06 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

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**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG:/PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO URIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 12-03-11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | FIBERS / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 01 | EXT | BUILDING #18 UP WIND. | SKC | 715 | 1719 | 586 | 3.0 | 3.0 | 1758 | 8.5/100 | 0.0024 | 7400 "A" Rules |
| 26 02 | EXT | BUILDING #18 DOWN WIND | SKC | 716 | 1722 | 586 | 3.0 | 3.0 | 1758 | 11/100 | 0.0031 | 7400 "A" Rules |
| 26 03 | EXT | BUILDING #15 UP WIND | SKC | 717 | 1703 | 586 | 3.0 | 3.0 | 1758 | 13/100 | 0.0036 | 7400 "A" Rules |
| 26 04 | EXT | BUILDING #15 DOWN WIND | SKC | 718 | 1704 | 586 | 3.0 | 3.0 | 1758 | 16/100 | 0.0045 | 7400 "A" Rules |
| 26 05 | BLK | FIELD BLANK | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 26 06 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 12-03-11
Accepted: [signature] Date: 12/4/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: December 6, 2011
Analysis Date: December 6, 2011
Report Date: December 6, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (12-05-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| EXT-27-01 | By Building #18, Up-Wind | 1740 | 0.004 |
| EXT-27-02 | By Building #18, Down-Wind | 1740 | 0.003 |
| EXT-27-03 | By Building #15, Up-Wind | 1740 | 0.004 |
| EXT-27-04 | By Building #15, Down-Wind | 1740 | 0.002 |
| BLK-27-05 | Field Blank | -- | <0.04 F/FLD |
| BLK-27-06 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.** **Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO URIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE DATE 12-05-11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27 01 | EXT | BLDG #18 UP WIND | SKC | 720 | 1700 | 580 | 3.0 | 3.0 | 1740 | 13/100 | 0.0037 | 7400 "A" Rules |
| 27 02 | EXT | BLDG #18 DOWN WIND | SKC | 721 | 1701 | 580 | 3.0 | 3.0 | 1740 | 9/100 | 0.0025 | 7400 "A" Rules |
| 27 03 | EXT | BLDG #15 UP WIND | SKC | 722 | 1702 | 580 | 3.0 | 3.0 | 1740 | 15/100 | 0.0042 | 7400 "A" Rules |
| 27 04 | EXT | BLDG #15 DOWN WIND | SKC | 723 | 1703 | 580 | 3.0 | 3.0 | 1740 | 7.5/100 | 0.0021 | 7400 "A" Rules |
| 27 05 | BLK | FIELD BLANK | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 27 06 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ST02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: Date: 12/05/11
Accepted: Date: 12-6-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: December 7, 2011
Analysis Date: December 7, 2011
Report Date: December 7, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (12-06-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| EXT-28-01 | By Building #18, Up-Wind | 1725 | 0.003 |
| EXT-28-02 | By Building #18, Down-Wind | 1725 | 0.002 |
| EXT-28-03 | By Building #15, Up-Wind | 1725 | 0.005 |
| EXT-28-04 | By Building #15, Down-Wind | 1725 | 0.004 |
| BLK-28-05 | Field Blank | -- | <0.04 F/FLD |
| BLK-28-06 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN Robert Unos
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 12-06-11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | FIBERS / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 01 | EXT | BLDG #18 Up WIND | SKC | 720 | 1655 | 575 | 3.0 | 3.0 | 1725 | 11/100 | 0.0031 | 7400 "A" Rules |
| 28 02 | EXT | BLDG #18 DOWN WIND | SKC | 721 | 1656 | 575 | 3.0 | 3.0 | 1725 | 7/100 | 0.0020 | 7400 "A" Rules |
| 28 03 | EXT | BLDG #15 Up WIND | SKC | 722 | 1657 | 575 | 3.0 | 3.0 | 1725 | 16/100 | 0.0045 | 7400 "A" Rules |
| 28 04 | EXT | BLDG #15 DOWN WIND | SKC | 723 | 1658 | 575 | 3.0 | 3.0 | 1725 | 12.5/100 | 0.0036 | 7400 "A" Rules |
| 28 05 | Blk | FIELD BLANK | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 28 05 | Blk | CONTROL | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/25/11

Chain of Custody:
Relinquished: [signature] Date: 12-06-11
Accepted: [signature] Date: 12-7-11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: December 8, 2011
Analysis Date: December 8, 2011
Report Date: December 8, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building 15, 17, 18 and 21
Kearny, New Jersey
Work Area Monitoring (12-07-11)

**CERTIFICATE OF ANALYSIS**

Method: Phase Contrast Microscopy (PCM), NIOSH 7400 – "A" Rules

| SAMPLE ID | SAMPLING LOCATION | VOL/LITERS | RESULT, F/CC |
|---|---|---|---|
| EXT-29-01 | By Building #18, Up-Wind | 1020 | 0.003 |
| EXT-29-02 | By Building #18, Down-Wind | 1020 | 0.006 |
| BLK-29-03 | Field Blank | -- | <0.04 F/FLD |
| BLK-29-04 | Quality Control | -- | <0.04 F/FLD |

Thomas P. Geiger
Director

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

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Analysis performed by Environmental Tactics, Inc. (IHPAT #100215, EPA Lab ID # NJ01169)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO LUNGE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 12-07-11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | FIBERS / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 01 | BA | BLDG # 18 UP WIND | SKC | 720 | 1300 | 340 | 30 | 30 | 1020 | 7/100 | 0.0034 | 7400 "A" Rules |
| 29 02 | BA | BLDG # 18 DOWN WIND | SKC | 721 | 1301 | 340 | 30 | 30 | 1020 | 11.5/100 | 0.0055 | 7400 "A" Rules |
| 29 03 | BLK | FIELD BLANK | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| 29 04 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | 0/100 | <0.04 | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |
| | | | | | | | | | | | | 7400 "A" Rules |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. 6T02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 12 07 11
Accepted: [signature] Date: 12/8/11

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# CERTIFICATES OF ANALYSIS

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

ENVIRONMENTAL TACTICS, INC.

# POST TESTS – TEM

# &

# CERTIFICATES OF COMPLETION

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 3, 2011
Analysis Date: November 4, 2011
Report Date: November 4, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building #18, 1st Floor Pipe Area
Kearny, New Jersey
Post Test, 11-03-11

**CERTIFICATE OF ANALYSIS**
Method: Transmission Electron Microscopy (TEM)
EPA 40 CFR Part 763 Final Rule. (AHERA)

| SAMPLE ID | SAMPLING LOCATION | NO. OF ASB. STRUCTURES $mm^2$ | STRUCTURES/cc |
|---|---|---|---|
| POST-01 | Building #18, Inside Work Area | <15.00 | <0.0041 |
| POST-02 | Building #18, Inside Work Area | <15.00 | <0.0041 |
| POST-03 | Building #18, Inside Work Area | <15.00 | <0.0041 |
| POST-04 | Building #18, Inside Work Area | <15.00 | <0.0041 |
| POST-05 | Building #18, Inside Work Area | <15.00 | <0.0041 |
| POST-06 | Field Blank | 00.00 | 0.00 |
| POST-07 | Quality Control | 00.00 | 0.00 |
| POST-08 | Blank | 00.00 | 0.00 |

FOR FINAL AIR TEST ONLY

These air test results indicate fiber levels below US EPA, OSHA, State of New Jersey and City and State of New York standards for determining the completion of an asbestos abatement project. That standard is 0.01 fibers/cc (PCM) / 70.00 structures/$mm^2$ (TEM) or less and based on the above results this project has passed the final air test taken pursuant to law and accepted industry practices.

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

The laboratory is not responsible for the data reported in structures/cc, which is dependant on volume collected by non-laboratory personnel. This labis only responsible for data reported in structures/$mm^2$. This report relates only to the samples reported above. This repot may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by EMSL Piscataway (NVLAP Air and Bulk #101048-2, NY State E-Lap #11423)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## CERTIFICATION OF COMPLETION

**DATE:** November 4, 2011
**SITE:** Standard Chlorine Chemical Co.
**PHASE/AREA:** Post Test / Bldg. 18, 1st Fl.
**PROJECT NO:** 2011-116

**AST:** R. Uribe
**CONTRACTOR:** Precision Environmental Co.
**LICENSE #:** NJ-01143
**PROJ. COORDINATOR:** Teresa M. Royek

To: Building Code Official

Pursuant to the requirements of the State of New Jersey, EPA and OSHA, the asbestos abatement project conducted herewith at the Standard Chlorine Chemical Co. (Building #18 (1st Fl., Pipe Area)), Kearny, NJ is deemed complete. The project was found to be in compliance with the requirements of the aforementioned regulations. Post-testing results revealed airborne concentrations(s) of:

| SAMPLE ID | SAMPLING LOCATION | NO. OF ASB. STRUCTURES $mm^2$ | STRUCTURES/cc |
|---|---|---|---|
| POST-01 | Building #18, Inside Work Area | <15.00 | <0.0041 |
| POST-02 | Building #18, Inside Work Area | <15.00 | <0.0041 |
| POST-03 | Building #18, Inside Work Area | <15.00 | <0.0041 |
| POST-04 | Building #18, Inside Work Area | <15.00 | <0.0041 |
| POST-05 | Building #18, Inside Work Area | <15.00 | <0.0041 |
| POST-06 | Field Blank | 00.00 | 0.00 |
| POST-07 | Quality Control | 00.00 | 0.00 |
| POST-08 | Blank | 00.00 | 0.00 |

NAME: Thomas P. Geiger

SIGNATURE: *Thomas P. Geiger*

TITLE: President

CERTIFICATION NUMBER: ASCM# 0045

DATE: November 4, 2011

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**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: (732) 981-0550 Fax: (732) 981-0551 Email: piscatawaylab@emsl.com

Attn: **Tom Geiger**
**Environmental Tactics, Inc.**
**64 Broad Street**

**Matawan, NJ 07747-2534**

Fax: (732) 290-2236 Phone: (732) 290-2217
Project: **SCCC, Inc. / 2011-1161025-35 Belleville Tpke,K earny,N J**

Customer ID: ENVI57
Customer PO:
Received: 11/03/11 5:10 PM
EMSL Order: 051103722

EMSL Proj:
Analysis Date: 11/4/2011

Sampling Date: 11/3/2011

# Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

| Sample | Location | Volume (Liters) | Area Analyzed (mm²) | Non Asb | Asbestos Type(s) | # Structures ≥ 0.5μ < 5μ | # Structures ≥5μ | Analytical Sensitivity (S/cc) | Asbestos Concentration (S/mm²) | Asbestos Concentration (S/cc) |
|---|---|---|---|---|---|---|---|---|---|---|
| POST-01 051103722-0001 | Inside ofT he Area | 1450.00 | 0.0650 | 0 | None Detected | | | 0.0041 | <15.00 | <0.0041 |
| POST-02 051103722-0002 | Inside ofT he Area | 1450.00 | 0.0650 | 0 | None Detected | | | 0.0041 | <15.00 | <0.0041 |
| POST-03 051103722-0003 | Inside ofT he Area | 1450.00 | 0.0650 | 0 | None Detected | | | 0.0041 | <15.00 | <0.0041 |
| POST-04 051103722-0004 | Inside ofT he Area | 1450.00 | 0.0650 | 0 | None Detected | | | 0.0041 | <15.00 | <0.0041 |
| POST-05 051103722-0005 | Inside ofT he Area | 1450.00 | 0.0650 | 1 | None Detected | | | 0.0041 | <15.00 | <0.0041 |

Initialr eport from 11/04/2011 15:21:24

Analyst(s)

*Susan Pollack (5)*

ChaiyutS ae Lao, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to costo fan alysis. This reportr elates only to the samples reported above and may notbe reproduced,e xcepti n full,w ithout written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of testr esults are the responsibility oft he client. This report must notbe used to claim productc ertification,ap proval,o r endorsement by NVLAP, NIST,o r any agency of the federal government.E MSL is notr esponsible for data reported in structures/cc,w hich is dependenton volume collected by non-laboratory personnel. Samples received in good condition unless otherwise noted. Estimated accuracy,p recision and uncertainty data available upon request.
Samples analyzed by EMSL Analytical,I nc.P iscataway,N J NYS ELAP 11423, NVLAP Leb Code 101048-2, NJ NELAC 12037



**THIS IS THE LAST PAGE OF THE REPORT.**

05110372 2

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO UBIDE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE DATE 11 03 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| POST 01 | Post | INSIDE OF THE AREA | GAST | 1345 | 1610 | 145 | 10.0 | 100 | 1450 | | | TEM AHERA |
| POST 02 | Post | INSIDE OF THE AREA | GAST | 1345 | 1610 | 145 | 100 | 100 | 1450 | | | TEM AHERA |
| POST 03 | Post | INSIDE OF THE AREA | GAST | 1345 | 1610 | 145 | 10.0 | 100 | 1450 | | | TEM AHERA |
| POST 04 | Post | INSIDE OF THE AREA | GAST | 1346 | 1611 | 145 | 10.0 | 10.0 | 1450 | | | TEM AHERA |
| POST 05 | Post | INSIDE OF THE AREA | GAST | 1346 | 1611 | 145 | 10.0 | 100 | 1450 | | | TEM AHERA |
| POST 06 | Blk | FIELD BLANK | — | — | — | — | — | — | — | | | TEM AHERA |
| POST 07 | Blk | QUALITY CONTROL | — | — | — | — | — | — | — | | | TEM AHERA |
| POST 08 | Blk | BLANK | — | — | — | — | — | — | — | RECEIVED NOV 03 2011 BY FIRST PISCATAWAY | | TEM AHERA |
| | | | | | | | | | | | | TEM AHERA |

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. 6T02 Date Calibrated 07 20 11

Chain of Custody:
Relinquished: Date: 11 03 11

Accepted: Date:

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

05110372 2

051103722

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

05110372-2

# LAB CHAIN OF CUSTODY

| | |
|---|---|
| Representative: T. Geiger | Fax Results to: T. Geiger |
| Company Name: Environmental Tactics, Inc. | Project Name/#: SCCC, Inc. / 2011-116 |
| Street: 64 Broad Street | Project Address: 1025-35 Belleville Tpke., Kearny, NJ |
| City/State: Matawan, New Jersey 07747 | Phone #:(732) 290-2217 |
| Date: 11-03-11 | Fax #: (732) 290-2236 |
| No. of Samples: 8 | E-Mail: tgeiger@envtactics.com |

**MATRIX (CIRCLE)**

| | | |
|---|---|---|
| Air | Floor Tile | Soil |
| Bulk | Drinking Water | Dust |
| Wipe | Wastewater | Lead |

**TURNAROUND (CIRCLE)**

| | | | |
|---|---|---|---|
| 6-10 DAYS | 72 HOUR | 24 HOUR | OTHER |
| 5 DAYS | 48 HOUR | 6 HOUR | LEAD ONLY-24 HOUR |

**Check appropriate test**

| | | |
|---|---|---|
| **PCM:**<br><br>NIOSH 7400 AAR<br>OSHA<br>OTHER<br>NIOSH 7082(Lead in Air) | **TEM AIR:**<br><br>AHERA<br>NIOSH 7402<br>LEVEL I<br>LEVEL II | **TEM WATER:**<br><br>WASTEWATER<br>DRINKING WATER EPA 100.1<br>WATER-NY WASTEWATER<br>WATER-NY DRINKING WTR |
| **PLM:**<br><br>EPA 600<br>NOB<br>POINT COUNT<br>MICRO-VAC<br>NY 198.1<br>NYS 198.6 (NOB)<br>OTHER | **TEM BULK:**<br><br>DROP MOUNT (Qualitative)<br>CHATFIELD<br>CHATFIELD/SEM QC<br>COVENTIONAL (Qualitative)<br>EMSL METHOD<br>NOB<br>NOB/SEM QC<br>MICRO VAC (Quantitative)<br>MICRO VAC (Qualitative) | **TEM WIPE:**<br><br>QUANTITATIVE<br>QUALITATIVE<br><br>**XRD:**<br><br>ASBESTOS<br>SILICA<br>**OTHER:** Lead Wipe Clearance<br>Wipe Media: ASTM Wipes (ASTM E1792) |

| | |
|---|---|
| Relinquished: | Date/Time: 11-03/11 |
| Received: | Date/Time: |

RECEIVED
Walkin
NOV 03 2011
BY A. Long
EMSL PISCATAWAY
5:10PM

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 10, 2011
Analysis Date: November 11, 2011
Report Date: November 11, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building #21
Kearny, New Jersey
Post Test, 11-10-11

**CERTIFICATE OF ANALYSIS**
Method: Transmission Electron Microscopy (TEM)
EPA 40 CFR Part 763 Final Rule. (AHERA)

| SAMPLE ID | SAMPLING LOCATION | NO. OF ASB. STRUCTURES $mm^2$ | STRUCTURES/cc |
|---|---|---|---|
| POST-01 | Building #21, Inside Work Area | 19.00 | 0.0049 |
| POST-02 | Building #21, Inside Work Area | <19.00 | <0.0049 |
| POST-03 | Building #21, Inside Work Area | 19.00 | 0.0049 |
| POST-04 | Building #21, Inside Work Area | <19.00 | <0.0049 |
| POST-05 | Building #21, Inside Work Area | <19.00 | <0.0049 |
| POST-06 | Field Blank | 00.00 | 0.00 |
| POST-07 | Quality Control | 00.00 | 0.00 |
| POST-08 | Blank | 00.00 | 0.00 |

FOR FINAL AIR TEST ONLY

These air test results indicate fiber levels below US EPA, OSHA, State of New Jersey and City and State of New York standards for determining the completion of an asbestos abatement project. That standard is 0.01 fibers/cc (PCM) / 70.00 structures/$mm^2$ (TEM) or less and based on the above results this project has passed the final air test taken pursuant to law and accepted industry practices.

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

The laboratory is not responsible for the data reported in structures/cc, which is dependant on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/$mm^2$. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by EMSL Piscataway (NVLAP Air and Bulk #101048-2, NY State E-Lap #11423)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## CERTIFICATION OF COMPLETION

**DATE:** November 11, 2011
**SITE:** Standard Chlorine Chemical Co.
**PHASE/AREA:** Post Test / Bldg. 21
**PROJECT NO:** 2011-116

**AST:** R. Uribe
**CONTRACTOR:** Precision Environmental Co.
**LICENSE #:** NJ-01143
**PROJ. COORDINATOR:** Teresa M. Rovek

To: Building Code Official

Pursuant to the requirements of the State of New Jersey, EPA and OSHA, the asbestos abatement project conducted herewith at the Standard Chlorine Chemical Co. (Building #21 (Exterior Transite Shingles)), Kearny, NJ is deemed complete. The project was found to be in compliance with the requirements of the aforementioned regulations. Post-testing results revealed airborne concentrations(s) of:

| SAMPLE ID | SAMPLING LOCATION | NO. OF ASB. STRUCTURES $mm^2$ | STRUCTURES/cc |
|---|---|---|---|
| POST-01 | Building #21, Inside Work Area | 19.00 | 0.0049 |
| POST-02 | Building #21, Inside Work Area | <19.00 | <0.0049 |
| POST-03 | Building #21, Inside Work Area | 19.00 | 0.0049 |
| POST-04 | Building #21, Inside Work Area | <19.00 | <0.0049 |
| POST-05 | Building #21, Inside Work Area | <19.00 | <0.0049 |
| POST-06 | Field Blank | 00.00 | 0.00 |
| POST-07 | Quality Control | 00.00 | 0.00 |
| POST-08 | Blank | 00.00 | 0.00 |

NAME: Thomas P. Geiger

SIGNATURE: *Thomas P. Geiger*

TITLE: President

CERTIFICATION NUMBER: ASCM# 0045

DATE: November 11, 2011

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: (732) 981-0550 Fax: (732) 981-0551 Email: piscataywaylab@emsl.com

Attn: **Tom Geiger**
**Environmental Tactics, Inc.**
**64 Broad Street**

**Matawan, NJ 07747-2534**

Fax: (732) 290-2236 Phone: (732) 290-2217
Project: **SCCC, Inc. / 2011-116 / 1025-35 Belleville Tpke, Kearny,N J**

Customer ID: ENVI57
Customer PO:
Received: 11/10/11 5:40 PM
EMSL Order: 051103819

EMSL Proj:
Analysis Date: 11/11/2011

Sampling Date: 11/10/2011

## Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

| Sample | Location | Volume (Liters) | Area Analyzed (mm²) | Non Asb | Asbestos Type(s) | # Structures ≥ 0.5μ < 5μ | # Structures ≥5μ | Analytical Sensitivity (S/cc) | Asbestos Concentration (S/mm²) | Asbestos Concentration (S/cc) |
|---|---|---|---|---|---|---|---|---|---|---|
| POST-01 051103819-0001 | Inside ofT he Area Bldg #21 | 1500.00 | 0.0520 | 0 | Chrysotile | 1 | 0 | 0.0049 | 19.00 | 0.0049 |
| POST-02 051103819-0002 | Inside ofT he Area Bldg #21 | 1500.00 | 0.0520 | 0 | None Detected | | | 0.0049 | <19.00 | <0.0049 |
| POST-03 051103819-0003 | Inside ofT he Area Bldg #21 | 1500.00 | 0.0520 | 0 | Chrysotile | 1 | 0 | 0.0049 | 19.00 | 0.0049 |
| POST-04 051103819-0004 | Inside ofT he Area Bldg #21 | 1500.00 | 0.0520 | 2 | None Detected | | | 0.0049 | <19.00 | <0.0049 |
| POST-05 051103819-0005 | Inside ofT he Area Bldg #21 | 1500.00 | 0.0520 | 4 | None Detected | | | 0.0049 | <19.00 | <0.0049 |

Initialr eport from 11/11/2011 16:29:19

Analyst(s)

*Susan Pollack (5)*

ChaiyutS ae Lao, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to costo fan alysis. This reportr elates only to the samples reported above and may notbe reproduced,e xcepti n full,w ithout written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of testr esults are the responsibility oft he client. This report must notbe used to claim productc ertification,ap proval,o r endorsement by NVLAP, NiST,o r any agency of the federal government.E MSL is notr esponsible for data reported in structures/cc,w hich is dependenton volume collected by non-laboratory personnel. Samples received in good condition unless otherwise noted. Estimated accuracy,p recision and uncertainty data available upon request.
Samples analyzed by EMSL Analytical,I nc.P iscataway,N J NYS ELAP 11423, NVLAP Lab Code 101048-2, NJ NELAC 12037

051103819

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO URIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11.10.11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| POST 01 | POST | INSIDE OF THE AREA BLDG. # 21 | GAST | 845 | 1115 | 150 | 10.0 | 10.0 | 1500 | | | TEM AHERA |
| POST 02 | POST | INSIDE OF THE AREA BLDG #21 | GAST | 845 | 1115 | 150 | 10.0 | 10.0 | 1500 | | | TEM AHERA |
| POST 03 | POST | INSIDE OF THE AREA BLDG #21 | GAST | 845 | 1115 | 150 | 10.0 | 10.0 | 1500 | | | TEM AHERA |
| POST 04 | POST | INSIDE OF THE AREA BLDG #21 | GAST | 845 | 1115 | 150 | 10.0 | 10.0 | 1500 | | | TEM AHERA |
| POST 05 | POST | INSIDE OF THE AREA BLDG #21 | GAST | 845 | 1115 | 150 | 10.0 | 10.0 | 1500 | | | TEM AHERA |
| POST 06 | BLK | FIELD BLANK | — | — | — | — | — | — | — | | | TEM AHERA |
| POST 07 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | | | TEM AHERA |
| POST 08 | BLK | BLANK | — | — | — | — | — | — | — | | | TEM AHERA |
| | | | | | | | | | | | | TEM AHERA |

RECEIVED
NOV 10 2011
BY
EMSL PISCATAWAY

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. OT02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11 09 11

Accepted: Date:

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

051103819

051103819

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

# LAB CHAIN OF CUSTODY

051103819

| | |
|---|---|
| Representative: T. Geiger | Fax Results to: T. Geiger |
| Company Name: Environmental Tactics, Inc. | Project Name/#: SCCC, Inc. / 2011-116 |
| Street: 64 Broad Street | Project Address: 1025-35 Belleville Tpke., Kearny, NJ |
| City/State: Matawan, New Jersey 07747 | Phone #:(732) 290-2217 |
| Date: 11 10 11 | Fax #: (732) 290-2236 |
| No. of Samples: 8 | E-Mail: tgeiger@envtactics.com |

**MATRIX (CIRCLE)**

| | | |
|---|---|---|
| Air | Floor Tile | Soil |
| Bulk | Drinking Water | Dust |
| Wipe | Wastewater | Lead |

**TURNAROUND (CIRCLE)**

| | | | |
|---|---|---|---|
| 6-10 DAYS | 72 HOUR | 24 HOUR | OTHER |
| 5 DAYS | 48 HOUR | 6 HOUR | LEAD ONLY-24 HOUR |

**Check appropriate test**

| | | |
|---|---|---|
| **PCM:**<br><br>NIOSH 7400 AAR<br>OSHA<br>OTHER<br>NIOSH 7082(Lead in Air) | **TEM AIR:**<br><br>AHERA<br>NIOSH 7402<br>LEVEL I<br>LEVEL II | **TEM WATER:**<br><br>WASTEWATER<br>DRINKING WATER EPA 100.1<br>WATER-NY WASTEWATER<br>WATER-NY DRINKING WTR |
| **PLM:**<br><br>EPA 600<br>NOB<br>POINT COUNT<br>MICRO-VAC<br>NY 198.1<br>NYS 198.6 (NOB)<br>OTHER | **TEM BULK:**<br><br>DROP MOUNT (Qualitative)<br>CHATFIELD<br>CHATFIELD/SEM QC<br>COVENTIONAL (Qualitative)<br>EMSL METHOD<br>NOB<br>NOB/SEM QC<br>MICRO VAC (Quantitative)<br>MICRO VAC (Qualitative) | **TEM WIPE:**<br><br>QUANTITATIVE<br>QUALITATIVE<br><br>**XRD:**<br><br>ASBESTOS<br>SILICA<br>**OTHER:** Lead Wipe Clearance<br>Wipe Media: ASTM Wipes (ASTM E1792) |

| | |
|---|---|
| Relinquished: | Date/Time: 11-10-11 |
| Received: | Date/Time: |

RECEIVED
NOV 10 2011
NM 5:46 PM
BY EMSL PISCATAWAY WALK IN

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 14, 2011
Analysis Date: November 15, 2011
Report Date: November 15, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building #17
Kearny, New Jersey
Post Test, 11-14-11

**CERTIFICATE OF ANALYSIS**
Method: Transmission Electron Microscopy (TEM)
EPA 40 CFR Part 763 Final Rule. (AHERA)

| SAMPLE ID | SAMPLING LOCATION | NO. OF ASB. STRUCTURES $mm^2$ | STRUCTURES/cc |
|---|---|---|---|
| POST-01 | Building #17, Inside Work Area | <19.00 | <0.0049 |
| POST-02 | Building #17, Inside Work Area | <19.00 | <0.0049 |
| POST-03 | Building #17, Inside Work Area | <19.00 | <0.0049 |
| POST-04 | Building #17, Inside Work Area | <19.00 | <0.0049 |
| POST-05 | Building #17, Inside Work Area | <19.00 | <0.0049 |
| POST-06 | Field Blank | 00.00 | 0.00 |
| POST-07 | Quality Control | 00.00 | 0.00 |
| POST-08 | Blank | 00.00 | 0.00 |

FOR FINAL AIR TEST ONLY

These air test results indicate fiber levels below US EPA, OSHA, State of New Jersey and City and State of New York standards for determining the completion of an asbestos abatement project. That standard is 0.01 fibers/cc (PCM) / 70.00 structures/$mm^2$ (TEM) or less and based on the above results this project has passed the final air test taken pursuant to law and accepted industry practices.

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

The laboratory is not responsible for the data reported in structures/cc, which is dependant on volume collected by non-laboratory personnel. This labis only responsible for data reported in structures/$mm^2$. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by EMSL Piscataway (NVLAP Air and Bulk #101048-2, NY State E-Lap #11423)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## CERTIFICATION OF COMPLETION

**DATE:** November 15, 2011
**SITE:** Standard Chlorine Chemical Co.
**PHASE/AREA:** Post Test / Bldg. 17
**PROJECT NO:** 2011-116

**AST:** R. Uribe
**CONTRACTOR:** Precision Environmental Co.
**LICENSE #:** NJ-01143
**PROJ. COORDINATOR:** Teresa M. Rovek

To: Building Code Official

Pursuant to the requirements of the State of New Jersey, EPA and OSHA, the asbestos abatement project conducted herewith at the Standard Chlorine Chemical Co. (Building #17 (Window Glazing & Meter Room Transite)), Kearny, NJ is deemed complete. The project was found to be in compliance with the requirements of the aforementioned regulations. Post-testing results revealed airborne concentrations(s) of:

| SAMPLE ID | SAMPLING LOCATION | NO. OF ASB. STRUCTURES $mm^2$ | STRUCTURES/cc |
|---|---|---|---|
| POST-01 | Building #17, Inside Work Area | <19.00 | <0.0049 |
| POST-02 | Building #17, Inside Work Area | <19.00 | <0.0049 |
| POST-03 | Building #17, Inside Work Area | <19.00 | <0.0049 |
| POST-04 | Building #17, Inside Work Area | <19.00 | <0.0049 |
| POST-05 | Building #17, Inside Work Area | <19.00 | <0.0049 |
| POST-06 | Field Blank | 00.00 | 0.00 |
| POST-07 | Quality Control | 00.00 | 0.00 |
| POST-08 | Blank | 00.00 | 0.00 |

NAME: Thomas P. Geiger

SIGNATURE: *Thomas P. Geiger*

TITLE: President

CERTIFICATION NUMBER: ASCM# 0045

DATE: November 15, 2011

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: (732) 981-0550 Fax: (732) 981-0551 Email: piscatawaylab@emsl.com

Attn: **Tom Geiger**
**Environmental Tactics, Inc.**
**64 Broad Street**

**Matawan, NJ 07747-2534**

Fax: (732) 290-2236 Phone: (732) 290-2217
Project: **SCCC, Inc. / 2011-116 / 1025-35 Belleville Tpke, Kearny,N J**

Customer ID: ENVI57
Customer PO:
Received: 11/14/11 5:40 PM
EMSL Order: 051103861

EMSL Proj:
Analysis Date: 11/15/2011

Sampling Date: 11/14/2011

## Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

| Sample | Location | Volume (Liters) | Area Analyzed (mm²) | Non Asb | Asbestos Type(s) | # Structures ≥ 0.5μ < 5μ | # Structures ≥5μ | Analytical Sensitivity (S/cc) | Asbestos Concentration (S/mm²) | Asbestos Concentration (S/cc) |
|---|---|---|---|---|---|---|---|---|---|---|
| POST-01 051103861-0001 | By The Area Bldg #17 | 1500.00 | 0.0520 | 1 | None Detected | | | 0.0049 | <19.00 | <0.0049 |
| POST-02 051103861-0002 | By The Area Bldg #17 | 1500.00 | 0.0520 | 3 | None Detected | | | 0.0049 | <19.00 | <0.0049 |
| POST-03 051103861-0003 | By The Area Bldg #17 | 1500.00 | 0.0520 | 2 | None Detected | | | 0.0049 | <19.00 | <0.0049 |
| POST-04 051103861-0004 | By The Area Bldg #17 | 1500.00 | 0.0520 | 1 | None Detected | | | 0.0049 | <19.00 | <0.0049 |
| POST-05 051103861-0005 | By The Area Bldg #17 | 1500.00 | 0.0520 | 2 | None Detected | | | 0.0049 | <19.00 | <0.0049 |

Initialr eport from 11/15/2011 15:03:27

Analyst(s)

*Nicholas Maslowski (5)*

ChaiyutS ae Lao, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to costo fan alysis. This reportr elates only to the samples reported above and may notbe reproduced,e xcepti n full,w ithout written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of testr esults are the responsibility oft he client. This report must notbe used to claim productc ertification,ap proval,o r endorsement by NVLAP, NIST,o r any agency of the federal government.E MSL is notr esponsible for data reported in structures/cc,w hich is dependenton volume collected by non-laboratory personnel. Samples received in good condition unless otherwise noted. Estimated accuracy,p recision and uncertainty data available upon request.
Samples analyzed by EMSL Analytical,I nc.P iscataway,N J NYS ELAP 11423, NVLAP Lab Code 101048-2, NJ NELAC 12037

**ENVIRONMENTAL TACTICS, INC.** 051103861 **Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO LINES
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11/14/11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| POST 01 | POST | BY THE AREA BLDG #17 | GAST | 9:28 | 11:15 | 150 | 10.0 | 10.0 | 1500 | | | TEM AHERA |
| POST 02 | POST | BY THE AREA BLDG #17 | GAST | 9:28 | 11:15 | 150 | 10.0 | 10.0 | 1500 | | | TEM AHERA |
| POST 03 | POST | BY THE AREA BLDG #17 | GAST | 9:28 | 11:15 | 150 | 10.0 | 10.0 | 1500 | | | TEM AHERA |
| POST 04 | POST | BY THE AREA BLDG #17 | GAST | 9:28 | 11:15 | 150 | 10.0 | 10.0 | 1500 | | | TEM AHERA |
| POST 05 | POST | BY THE AREA BLDG #17 | GAST. | 9:28 | 11:15 | 150 | 10.0 | 10.0 | 1500 | | | TEM AHERA |
| POST 06 | BLK | FIELD BLANK | — | — | — | — | — | — | — | | | TEM AHERA |
| POST 07 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | | | TEM AHERA |
| POST 08 | BLK | BLANK | — | — | — | — | — | — | — | | | TEM AHERA |
| | | | | | | | | | | | | TEM AHERA |

RECEIVED NOV 14 2011

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.: BY EMSL PISCATAWAY

Rotameter No. ET 02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11/14/11
Accepted: Date:

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

051103861

051103861

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

051103861

# LAB CHAIN OF CUSTODY

| | |
|---|---|
| Representative: T. Geiger | Fax Results to: T. Geiger |
| Company Name: Environmental Tactics, Inc. | Project Name/#: SCCC, Inc. / 2011-116 |
| Street: 64 Broad Street | Project Address: 1025-35 Belleville Tpke., Kearny, NJ |
| City/State: Matawan, New Jersey 07747 | Phone #:(732) 290-2217 |
| Date: 11/14/11 | Fax #: (732) 290-2236 |
| No. of Samples: 8 | E-Mail: tgeiger@envtactics.com |

**MATRIX (CIRCLE)**

| | | |
|---|---|---|
| Air | Floor Tile | Soil |
| Bulk | Drinking Water | Dust |
| Wipe | Wastewater | Lead |

**TURNAROUND (CIRCLE)**

| | | | |
|---|---|---|---|
| 6-10 DAYS | 72 HOUR | ~~24 HOUR~~ | OTHER |
| 5 DAYS | 48 HOUR | 6 HOUR | LEAD ONLY-24 HOUR |

**Check appropriate test**

| PCM: | TEM AIR: | TEM WATER: |
|---|---|---|
| NIOSH 7400 AAR<br>OSHA<br>OTHER<br>NIOSH 7082(Lead in Air) | AHERA<br>NIOSH 7402<br>LEVEL I<br>LEVEL II | WASTEWATER<br>DRINKING WATER EPA 100.1<br>WATER-NY WASTEWATER<br>WATER-NY DRINKING WTR |
| **PLM:** | **TEM BULK:** | **TEM WIPE:** |
| EPA 600<br>NOB<br>POINT COUNT<br>MICRO-VAC<br>NY 198.1<br>NYS 198.6 (NOB)<br>OTHER | DROP MOUNT (Qualitative)<br>CHATFIELD<br>CHATFIELD/SEM QC<br>COVENTIONAL (Qualitative)<br>EMSL METHOD<br>NOB<br>NOB/SEM QC<br>MICRO VAC (Quantitative)<br>MICRO VAC (Qualitative) | QUANTITATIVE<br>QUALITATIVE<br><br>**XRD:**<br><br>ASBESTOS<br>SILICA<br>**OTHER:** Lead Wipe Clearance<br>Wipe Media: ASTM Wipes<br>(ASTM E1792) |

| | |
|---|---|
| Relinquished: | Date/Time: 11/14/11 |
| Received: | Date/Time: 540pm |

RECEIVED
NOV 14 2011
BY EMSL PISCATAWAY

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: November 22, 2011
Analysis Date: November 22, 2011
Report Date: November 22, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building #18 (interior)
Kearny, New Jersey
Post Test, 11-22-11

**CERTIFICATE OF ANALYSIS**
Method: Transmission Electron Microscopy (TEM)
EPA 40 CFR Part 763 Final Rule. (AHERA)

| SAMPLE ID | SAMPLING LOCATION | NO. OF ASB. STRUCTURES $mm^2$ | STRUCTURES/cc |
|---|---|---|---|
| POST-09 | Building #18, Inside Work Area | <15.00 | <0.0042 |
| POST-10 | Building #18, Inside Work Area | 46.00 | 0.0130 |
| POST-11 | Building #18, Inside Work Area | <15.00 | <0.0042 |
| POST-12 | Building #18, Inside Work Area | 15.00 | 0.0043 |
| POST-13 | Building #18, Inside Work Area | <15.00 | <0.0043 |
| POST-14 | Field Blank | 00.00 | 0.00 |
| POST-15 | Quality Control | 00.00 | 0.00 |
| POST-16 | Blank | 00.00 | 0.00 |

**FOR FINAL AIR TEST ONLY**

These air test results indicate fiber levels below US EPA, OSHA, State of New Jersey and City and State of New York standards for determining the completion of an asbestos abatement project. That standard is 0.01 fibers/cc (PCM) / 70.00 structures/$mm^2$ (TEM) or less and based on the above results this project has passed the final air test taken pursuant to law and accepted industry practices.

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

The laboratory is not responsible for the data reported in structures/cc, which is dependant on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/$mm^2$. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by EMSL Piscataway (NVLAP Air and Bulk #101048-2, NY State E-Lap #11423)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## CERTIFICATION OF COMPLETION

**DATE:** November 23, 2011
**SITE:** Standard Chlorine Chemical Co.
**PHASE/AREA:** Post Test / Bldg. 18 (Int.)
**PROJECT NO:** 2011-116

**AST:** R. Uribe
**CONTRACTOR:** Precision Environmental Co.
**LICENSE #:** NJ-01143
**PROJ. COORDINATOR:** Teresa M. Royek

To: Building Code Official

Pursuant to the requirements of the State of New Jersey, EPA and OSHA, the asbestos abatement project conducted herewith at the Standard Chlorine Chemical Co. (Building #18 (interior)), Kearny, NJ is deemed complete. The project was found to be in compliance with the requirements of the aforementioned regulations. Post-testing results revealed airborne concentrations(s) of:

| SAMPLE ID | SAMPLING LOCATION | NO. OF ASB. STRUCTURES $mm^2$ | STRUCTURES/cc |
|---|---|---|---|
| POST-09 | Building #18, Inside Work Area | <15.00 | <0.0042 |
| POST-10 | Building #18, Inside Work Area | 46.00 | 0.0130 |
| POST-11 | Building #18, Inside Work Area | <15.00 | <0.0042 |
| POST-12 | Building #18, Inside Work Area | 15.00 | 0.0043 |
| POST-13 | Building #18, Inside Work Area | <15.00 | <0.0043 |
| POST-14 | Field Blank | 00.00 | 0.00 |
| POST-15 | Quality Control | 00.00 | 0.00 |
| POST-16 | Blank | 00.00 | 0.00 |

NAME: Thomas P. Geiger

SIGNATURE: *Thomas P. Geiger*

TITLE: President

CERTIFICATION NUMBER: ASCM# 0045

DATE: November 23, 2011

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: (732) 981-0550 Fax: (732) 981-0551 Email: piscatawaylab@emsl.com

Attn: **Tom Geiger**
**Environmental Tactics, Inc.**
**64 Broad Street**

**Matawan, NJ 07747-2534**

Fax: (732) 290-2236 Phone: (732) 290-2217
Project: **SCC, Inc / 2011-116 / 1025-35 Belleville Tpke, Kearny, NJ**

Customer ID: ENVI57
Customer PO:
Received: 11/22/11 5:00 PM
EMSL Order: 051103959

EMSL Proj:
Analysis Date: 11/22/2011

Sampling Date: 11/22/2011

# Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

| Sample | Location | Volume (Liters) | Area Analyzed (mm²) | Non Asb | Asbestos Type(s) | # Structures ≥ 0.5μ < 5μ | # Structures ≥5μ | Analytical Sensitivity (S/cc) | Asbestos Concentration (S/mm²) | Asbestos Concentration (S/cc) |
|---|---|---|---|---|---|---|---|---|---|---|
| POST-09 051103959-0001 | Bldg #18 Inside of the Area | 1400.00 | 0.0650 | 0 | None Detected | | | 0.0042 | <15.00 | <0.0042 |
| POST-10 051103959-0002 | Bldg #18 Inside of the Area | 1400.00 | 0.0650 | 0 | Chrysotile | 3 | 0 | 0.0042 | 46.00 | 0.0130 |
| POST-11 051103959-0003 | Bldg #18 Inside of the Area | 1400.00 | 0.0650 | 0 | None Detected | | | 0.0042 | <15.00 | <0.0042 |
| POST-12 051103959-0004 | Bldg #18 Inside of the Area | 1390.00 | 0.0650 | 0 | Chrysotile | 1 | 0 | 0.0043 | 15.00 | 0.0043 |
| POST-13 051103959-0005 | Bldg #18 Inside of the Area | 1390.00 | 0.0650 | 0 | None Detected | | | 0.0043 | <15.00 | <0.0043 |

Initial report from 11/23/2011 10:41:41

Analyst(s)
*Nicholas Maslowski (5)*

Chaiyut Sae Lao, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.
Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ NYS ELAP 11423, NVLAP Lab Code 101048-2, NJ NELAC 12037

05110559

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO UNIOE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE [signature] DATE 11 22 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| POST 09 | POST | BLDG #18 INSIDE OF THE AREA | GAST | 945 | 1205 | 140 | 10.0 | 10.0 | 1400 | | | TEM AHERA |
| POST 10 | POST | BLDG #18 INSIDE OF THE AREA | GAST | 945 | 1205 | 140 | 10.0 | 10.0 | 1400 | | | TEM AHERA |
| POST 11 | POST | BLDG #18 INSIDE OF THE AREA | GAST | 946 | 1206 | 140 | 10.0 | 10.0 | 1400 | | | TEM AHERA |
| POST 12 | POST | BLDG #18 INSIDE OF THE AREA | GAST | 947 | 1206 | 139 | 10.0 | 10.0 | 1390 | | | TEM AHERA |
| POST 13 | POST | BLDG #18 INSIDE OF THE AREA | GAST | 947 | 1206 | 139 | 10.0 | 10.0 | 1390 | | | TEM AHERA |
| POST 14 | BLK | FIELD BLANK | — | — | — | — | — | — | — | | | TEM AHERA |
| POST 15 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | | | TEM AHERA |
| POST 16 | BLK | BLANK | — | — | — | — | — | — | — | | | TEM AHERA |
| | | | | | | | | | | | | TEM AHERA |

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NOV 22 2011
BY EMSL PISCATAWAY

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: [signature] Date: 11 22 11
Accepted: _____ Date: _____

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

051103959

# LAB CHAIN OF CUSTODY

| | |
|---|---|
| Representative: T. Geiger | Fax Results to: T. Geiger |
| Company Name: Environmental Tactics, Inc. | Project Name/#: SCCC, Inc. / 2011-116 |
| Street: 64 Broad Street | Project Address: 1025-35 Belleville Tpke., Kearny, NJ |
| City/State: Matawan, New Jersey 07747 | Phone #:(732) 290-2217 |
| Date: 11/22/11 | Fax #: (732) 290-2236 |
| No. of Samples: 8 | E-Mail: tgeiger@envtactics.com |

**MATRIX (CIRCLE)**

| | | |
|---|---|---|
| Air | Floor Tile | Soil |
| Bulk | Drinking Water | Dust |
| Wipe | Wastewater | Lead |

**TURNAROUND (CIRCLE)**

| | | |
|---|---|---|
| 6-10 DAYS | 72 HOUR 24 HOUR | OTHER |
| 5 DAYS | 48 HOUR 6 HOUR | LEAD ONLY-24 HOUR |

**Check appropriate test**

| | | |
|---|---|---|
| **PCM:** | **TEM AIR:** | **TEM WATER:** |
| NIOSH 7400 AAR | AHERA | WASTEWATER |
| OSHA | NIOSH 7402 | DRINKING WATER EPA 100.1 |
| OTHER | LEVEL I | WATER-NY WASTEWATER |
| NIOSH 7082(Lead in Air) | LEVEL II | WATER-NY DRINKING WTR |
| **PLM:** | **TEM BULK:** | **TEM WIPE:** |
| EPA 600 | DROP MOUNT (Qualitative) | QUANTITATIVE |
| NOB | CHATFIELD | QUALITATIVE |
| POINT COUNT | CHATFIELD/SEM QC | |
| MICRO-VAC | COVENTIONAL (Qualitative) | **XRD:** |
| NY 198.1 | EMSL METHOD | |
| NYS 198.6 (NOB) | NOB | ASBESTOS |
| OTHER | NOB/SEM QC | SILICA |
| | MICRO VAC (Quantitative) | **OTHER:** Lead Wipe Clearance |
| | MICRO VAC (Qualitative) | Wipe Media: ASTM Wipes (ASTM E1792) |

| | |
|---|---|
| Relinquished: | Date/Time: 11/22/11 |
| Received: | Date/Time: 5PM |

RECEIVED
Walkin
NOV 22 2011
BY S. Longo
EMSL PISCATAWAY

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: December 6, 2011
Analysis Date: December 7, 2011
Report Date: December 7, 2011
T.A.T.: 24 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building #15
Kearny, New Jersey
Post Test, 12-06-11

**CERTIFICATE OF ANALYSIS**
Method: Transmission Electron Microscopy (TEM)
EPA 40 CFR Part 763 Final Rule. (AHERA)

| SAMPLE ID | SAMPLING LOCATION | NO. OF ASB. STRUCTURES $mm^2$ | STRUCTURES/cc |
|---|---|---|---|
| POST-01 | Building #15, Inside Work Area | <15.00 | <0.0044 |
| POST-02 | Building #15, Inside Work Area | <15.00 | <0.0044 |
| POST-03 | Building #15, Inside Work Area | <15.00 | <0.0044 |
| POST-04 | Building #15, Inside Work Area | <15.00 | <0.0044 |
| POST-05 | Building #15, Inside Work Area | <15.00 | <0.0044 |
| POST-06 | Field Blank | 00.00 | 0.00 |
| POST-07 | Quality Control | 00.00 | 0.00 |
| POST-08 | Blank | 00.00 | 0.00 |

**FOR FINAL AIR TEST ONLY**

These air test results indicate fiber levels below US EPA, OSHA, State of New Jersey and City and State of New York standards for determining the completion of an asbestos abatement project. That standard is 0.01 fibers/cc (PCM) / 70.00 structures/$mm^2$ (TEM) or less and based on the above results this project has passed the final air test taken pursuant to law and accepted industry practices.

*Thomas P. Geiger*
Thomas P. Geiger
Or other approved signatory

The laboratory is not responsible for the data reported in structures/cc, which is dependant on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/$mm^2$. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by EMSL Piscataway (NVLAP Air and Bulk #101048-2, NY State E-Lap #11423)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## CERTIFICATION OF COMPLETION

**DATE:** December 7, 2011
**SITE:** Standard Chlorine Chemical Co.
**PHASE/AREA:** Post Test / Bldg. 15
**PROJECT NO:** 2011-116

**AST:** R. Uribe
**CONTRACTOR:** Precision Environmental Co.
**LICENSE #:** NJ-01143
**PROJ. COORDINATOR:** Teresa M. Royek

To: Building Code Official

Pursuant to the requirements of the State of New Jersey, EPA and OSHA, the asbestos abatement project conducted herewith at the Standard Chlorine Chemical Co. (Building #15), Kearny, NJ is deemed complete. The project was found to be in compliance with the requirements of the aforementioned regulations. Post-testing results revealed airborne concentrations(s) of:

| SAMPLE ID | SAMPLING LOCATION | NO. OF ASB. STRUCTURES $mm^2$ | STRUCTURES/cc |
|---|---|---|---|
| POST-01 | Building #15, Inside Work Area | <15.00 | <0.0044 |
| POST-02 | Building #15, Inside Work Area | <15.00 | <0.0044 |
| POST-03 | Building #15, Inside Work Area | <15.00 | <0.0044 |
| POST-04 | Building #15, Inside Work Area | <15.00 | <0.0044 |
| POST-05 | Building #15, Inside Work Area | <15.00 | <0.0044 |
| POST-06 | Field Blank | 00.00 | 0.00 |
| POST-07 | Quality Control | 00.00 | 0.00 |
| POST-08 | Blank | 00.00 | 0.00 |

NAME: Thomas P. Geiger

SIGNATURE: *Thomas P. Geiger*

TITLE: President

CERTIFICATION NUMBER: ASCM# 0045

DATE: December 7, 2011

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

**EMSL Analytical, Inc.**
1056 Stelton Road, Piscataway, NJ 08854
Phone: (732) 981-0550 Fax: (732) 981-0551 Email: piscatawaylab@emsl.com

Attn: **Tom Geiger**
**Environmental Tactics, Inc.**
**64 Broad Street**

**Matawan, NJ 07747-2534**

Fax: (732) 290-2236 Phone: (732) 290-2217

Project: **SCCC, Inc. / 2011-116 / 1025-35 Belleville Tpke, Kearny, NJ**

Customer ID: ENVI57
Customer PO:
Received: 12/06/11 5:40 PM
EMSL Order: 051104117

EMSL Proj:
Analysis Date: 12/7/2011

Sampling Date: 12/6/2011

# Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

| Sample | Location | Volume (Liters) | Area Analyzed (mm²) | Non Asb | Asbestos Type(s) | # Structures ≥ 0.5μ < 5μ | # Structures ≥ 5μ | Analytical Sensitivity (S/cc) | Asbestos Concentration (S/mm²) | Asbestos Concentration (S/cc) |
|---|---|---|---|---|---|---|---|---|---|---|
| POST-01 051104117-0001 | Inside Bldg #15 | 1350.00 | 0.0650 | 0 | None Detected | | | 0.0044 | <15.00 | <0.0044 |
| POST-02 051104117-0002 | Inside Bldg #15 | 1350.00 | 0.0650 | 0 | None Detected | | | 0.0044 | <15.00 | <0.0044 |
| POST-03 051104117-0003 | Inside Bldg #15 | 1350.00 | 0.0650 | 0 | None Detected | | | 0.0044 | <15.00 | <0.0044 |
| POST-04 051104117-0004 | Inside Bldg #15 | 1350.00 | 0.0650 | 1 | None Detected | | | 0.0044 | <15.00 | <0.0044 |
| POST-05 051104117-0005 | Inside Bldg #15 | 1350.00 | 0.0650 | 0 | None Detected | | | 0.0044 | <15.00 | <0.0044 |

Initial report from 12/07/2011 15:15:08

Analyst(s)

*Nicholas Maslowski (5)*

Chaiyut SM

Chaiyut Sae Lao, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ NYS ELAP 11423, NVLAP Lab Code 101048-2, NJ NELAC 12037

05110417

**ENVIRONMENTAL TACTICS, INC.**

**Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO URIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE DATE 12 06 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS ACTUAL | / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| POST 01 | POST | INSIDE BLDG. # 15 | GAST | 1215 | 1430 | 135 | 10.0 | 10.0 | 1350 | | | TEM AHERA |
| POST 02 | POST | INSIDE OF BLDG #15 | GAST | 1215 | 1430 | 135 | 10.0 | 10.0 | 1350 | | | TEM AHERA |
| POST 03 | POST | INSIDE OF BLDG #15 | GAST | 1216 | 1431 | 135 | 10.0 | 10.0 | 1350 | | | TEM AHERA |
| POST 04 | POST | INSIDE OF BLDG #15 | GAST | 1216 | 1431 | 135 | 10.0 | 10.0 | 1350 | | | TEM AHERA |
| POST 05 | POST | INSIDE OF BLDG #15 | GAST | 1216 | 1431 | 135 | 10.0 | 10.0 | 1350 | | | TEM AHERA |
| POST 06 | BLK | FIELD BLANK | — | — | — | — | — | — | — | | | TEM AHERA |
| POST 07 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | | | TEM AHERA |
| POST 08 | BLK | BLANK | — | — | — | — | — | — | — | | | TEM AHERA |
| | | | | | | | | | | | | TEM AHERA |

RECEIVED
DEC 06 2011
BY EMSL PISCATAWAY

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: Date: 12 06 11

Accepted: Date:

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

05110417

051104117

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

051104117

# LAB CHAIN OF CUSTODY

| | |
|---|---|
| Representative: T. Geiger | Fax Results to: T. Geiger |
| Company Name: Environmental Tactics, Inc. | Project Name/#: SCCC, Inc. / 2011-116 |
| Street: 64 Broad Street | Project Address: 1025-35 Belleville Tpke., Kearny, NJ |
| City/State: Matawan, New Jersey 07747 | Phone #:(732) 290-2217 |
| Date: 12/06/11 | Fax #: (732) 290-2236 |
| No. of Samples: 8 | E-Mail: tgeiger@envtactics.com |

**MATRIX (CIRCLE)**

| | | |
|---|---|---|
| Air | Floor Tile | Soil |
| Bulk | Drinking Water | Dust |
| Wipe | Wastewater | Lead |

**TURNAROUND (CIRCLE)**

| | | | |
|---|---|---|---|
| 6-10 DAYS | 72 HOUR | 24 HOUR | OTHER |
| 5 DAYS | 48 HOUR | 6 HOUR | LEAD ONLY-24 HOUR |

**Check appropriate test**

| PCM: | TEM AIR: | TEM WATER: |
|---|---|---|
| NIOSH 7400 AAR<br>OSHA<br>OTHER<br>NIOSH 7082(Lead in Air) | AHERA<br>NIOSH 7402<br>LEVEL I<br>LEVEL II | WASTEWATER<br>DRINKING WATER EPA 100.1<br>WATER-NY WASTEWATER<br>WATER-NY DRINKING WTR |
| **PLM:** | **TEM BULK:** | **TEM WIPE:** |
| EPA 600<br>NOB<br>POINT COUNT<br>MICRO-VAC<br>NY 198.1<br>NYS 198.6 (NOB)<br>OTHER | DROP MOUNT (Qualitative)<br>CHATFIELD<br>CHATFIELD/SEM QC<br>COVENTIONAL (Qualitative)<br>EMSL METHOD<br>NOB<br>NOB/SEM QC<br>MICRO VAC (Quantitative)<br>MICRO VAC (Qualitative) | QUANTITATIVE<br>QUALITATIVE<br><br>**XRD:**<br><br>ASBESTOS<br>SILICA<br>**OTHER:** Lead Wipe Clearance<br>Wipe Media: ASTM Wipes<br>(ASTM E1792) |

| | |
|---|---|
| Relinquished: | Date/Time: 12/06/11 |
| Received: | Date/Time: |

Walk in

RECEIVED

DEC 06 2011

BY S. Longo

EMSL PISCATAWAY

5:40PM

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

Attn: Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Received: December 7, 2011
Analysis Date: December 7, 2011
Report Date: December 7, 2011
T.A.T.: 6 Hour

Project: 2011-116
Standard Chlorine Chemical Company, Inc. Site
Building #18 (exterior)
Kearny, New Jersey
Post Test, 12-07-11

**CERTIFICATE OF ANALYSIS**
Method: Transmission Electron Microscopy (TEM)
EPA 40 CFR Part 763 Final Rule. (AHERA)

| SAMPLE ID | SAMPLING LOCATION | NO. OF ASB. STRUCTURES $mm^2$ | STRUCTURES/cc |
|---|---|---|---|
| POST-17 | Building #18, Exterior Work Area | <15.00 | <0.0044 |
| POST-18 | Building #18, Exterior Work Area | 31.00 | 0.0088 |
| POST-19 | Building #18, Exterior Work Area | <15.00 | <0.0044 |
| POST-20 | Building #18, Exterior Work Area | <15.00 | <0.0044 |
| POST-21 | Building #18, Exterior Work Area | 31.00 | 0.0088 |
| POST-22 | Field Blank | 00.00 | 0.00 |
| POST-23 | Quality Control | 00.00 | 0.00 |
| POST-24 | Blank | 00.00 | 0.00 |

FOR FINAL AIR TEST ONLY

These air test results indicate fiber levels below US EPA, OSHA, State of New Jersey and City and State of New York standards for determining the completion of an asbestos abatement project. That standard is 0.01 fibers/cc (PCM) / 70.00 structures/$mm^2$ (TEM) or less and based on the above results this project has passed the final air test taken pursuant to law and accepted industry practices.

Thomas P. Geiger
Thomas P. Geiger
Or other approved signatory

The laboratory is not responsible for the data reported in structures/cc, which is dependant on volume collected by non-laboratory personnel. This labis only responsible for data reported in structures/$mm^2$. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.
Analysis performed by EMSL Piscataway (NVLAP Air and Bulk #101048-2, NY State E-Lap #11423)

**64 Broad Street, Matawan, New Jersey 07747**
**Phone: (732) 290-2217 - Fax: (732) 290-2236**
**Toll Free: 1-888-ENV-TACT**

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## CERTIFICATION OF COMPLETION

**DATE:** December 7, 2011
**SITE:** Standard Chlorine Chemical Co.
**PHASE/AREA:** Post Test / Bldg. 18 (Ext.)
**PROJECT NO:** 2011-116

**AST:** R. Uribe
**CONTRACTOR:** Precision Environmental Co.
**LICENSE #:** NJ-01143
**PROJ. COORDINATOR:** Teresa M. Royek

To: Building Code Official

Pursuant to the requirements of the State of New Jersey, EPA and OSHA, the asbestos abatement project conducted herewith at the Standard Chlorine Chemical Co. (Building #18 (exterior)), Kearny, NJ is deemed complete. The project was found to be in compliance with the requirements of the aforementioned regulations. Post-testing results revealed airborne concentrations(s) of:

| SAMPLE ID | SAMPLING LOCATION | NO. OF ASB. STRUCTURES $mm^2$ | STRUCTURES/cc |
|---|---|---|---|
| POST-17 | Building #18, Exterior Work Area | <15.00 | <0.0044 |
| POST-18 | Building #18, Exterior Work Area | 31.00 | 0.0088 |
| POST-19 | Building #18, Exterior Work Area | <15.00 | <0.0044 |
| POST-20 | Building #18, Exterior Work Area | <15.00 | <0.0044 |
| POST-21 | Building #18, Exterior Work Area | 31.00 | 0.0088 |
| POST-22 | Field Blank | 00.00 | 0.00 |
| POST-23 | Quality Control | 00.00 | 0.00 |
| POST-24 | Blank | 00.00 | 0.00 |

NAME: Thomas P. Geiger

SIGNATURE: *Thomas P. Geiger*

TITLE: President

CERTIFICATION NUMBER: ASCM# 0045

DATE: December 7, 2011

This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by Environmental Tactics, Inc.

**64 Broad Street, Matawan, New Jersey 07747**
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**Toll Free: 1-888-ENV-TACT**

EMSL Analytical, Inc.
1056 Stelton Road, Piscataway, NJ 08854
Phone: (732) 981-0550 Fax: (732) 981-0551 Email: piscatawaylab@emsl.com

Attn: **Tom Geiger**
**Environmental Tactics, Inc.**
**64 Broad Street**

**Matawan, NJ 07747-2534**

Fax: (732) 290-2236 Phone: (732) 290-2217
Project: **SCCC, Inc /2011 -116 / 1025-35 Belleville Tpke,K earny,N J**

Customer ID: ENVI57
Customer PO:
Received: 12/07/11 2:20 PM
EMSL Order: 051104126

EMSL Proj:
Analysis Date: 12/7/2011

Sampling Date: 12/7/2011

# Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

| Sample | Location | Volume (Liters) | Area Analyzed (mm²) | Non Asb | Asbestos Type(s) | # Structures ≥ 0.5μ < 5μ | # Structures ≥ 5μ | Analytical Sensitivity (S/cc) | Asbestos Concentration (S/mm²) | Asbestos Concentration (S/cc) |
|---|---|---|---|---|---|---|---|---|---|---|
| POST-17 051104126-0001 | Bldg #18 Exterior | 1350.00 | 0.0650 | 0 | None Detected | | | 0.0044 | <15.00 | <0.0044 |
| POST-18 051104126-0002 | Bldg #18 Exterior | 1350.00 | 0.0650 | 2 | Chrysotile | 2 | 0 | 0.0044 | 31.00 | 0.0088 |
| POST-19 051104126-0003 | Bldg #18 Exterior | 1350.00 | 0.0650 | 0 | None Detected | | | 0.0044 | <15.00 | <0.0044 |
| POST-20 051104126-0004 | Bldg #18 Exterior | 1350.00 | 0.0650 | 1 | None Detected | | | 0.0044 | <15.00 | <0.0044 |
| POST-21 051104126-0005 | Bldg #18 Exterior | 1350.00 | 0.0650 | 0 | Chrysotile | 2 | 0 | 0.0044 | 31.00 | 0.0088 |

Initialr eport from 12/07/2011 19:52:08

Analyst(s)

*Nicholas Maslowski (5)*

Chaiyut SAL

ChaiyutS ae Lao, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to costo fan alysis. This reportr elates only to the samples reported above and may notbe reproduced,e xcepti n full,w ithout written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of testr esults are the responsibility oft he client. This report must notbe used to claim productc ertification,ap proval,o r endorsement by NVLAP, NIST,o r any agency of the federal government.E MSL is notr esponsible for data reported in structures/cc,w hich is dependenton volume collected by non-laboratory personnel. Samples received in good condition unless otherwise noted. Estimated accuracy,p recision and uncertainty data available upon request.
Samples analyzed by EMSL Analytical,I nc.P Iscataway,N J NYS ELAP 11423, NVLAP Lab Code 101048-2, NJ NELAC 12037

**ENVIRONMENTAL TACTICS, INC.** 051104126 **Fiber Air Sampling Log**

SITE Standard Chlorine Chemical Co., Inc. BLDG./PHASE Bl. #15, 17, 18 & 21/ TECHNICIAN ROBERTO UNIBE
CLIENT Key Environmental, Inc., Carnegie, PA JOB NUMBER 2011-116 SIGNATURE DATE 12 07 11

| SAMPLE NO. | CODE | SAMPLING LOCATION AND ACTIVITY | PUMP MAKE | TIME ON | TIME OFF | TIME TOTAL | FLOWS INIT. | FLOWS FINAL | TOTAL VOL. | FIBERS / CC ACTUAL | FIBERS / CC REPORTED | METHOD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| POST 17 | POST | BLDG #18 EXTERIOR | GAST | 1115 | 1330 | 135 | 10.0 | 10.0 | 1350 | | | TEM AHERA |
| POST 18 | POST | BLDG #18 EXTERIOR | GAST | 1115 | 1330 | 135 | 10.0 | 10.0 | 1350 | | | TEM AHERA |
| POST 19 | POST | BLDG #18 EXTERIOR | GAST | 1115 | 1330 | 135 | 10.0 | 10.0 | 1350 | | | TEM AHERA |
| POST 20 | POST | BLDG #18 EXTERIOR | GAST | 1116 | 1331 | 135 | 10.0 | 10.0 | 1350 | | | TEM AHERA |
| POST 21 | POST | BLDG #18 EXTERIOR | GAST | 1116 | 1331 | 135 | 10.0 | 10.0 | 1350 | | | TEM AHERA |
| POST 22 | BLK | FIELD BLANK | — | — | — | — | — | — | — | | | TEM AHERA |
| POST 23 | BLK | QUALITY CONTROL | — | — | — | — | — | — | — | | | TEM AHERA |
| POST 24 | BLK | BLANK | — | — | — | — | — | — | — | | | TEM AHERA |
| | | | | | | | | | | | | TEM AHERA |

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DEC 07 2011
BY EMSL PISCATAWAY

ADDITIONAL FIELD DATA:

ADDITIONAL ANALYSIS INFO.:

Rotameter No. ET02 Date Calibrated 07/20/11

Chain of Custody:
Relinquished: Date: 120711
Accepted: Date:

LOCATION CODES:
A/S - Air Survey
PRE - Pre-Test/
POST - Clearance
BLK - Blank

WORK AREAS:
PRS - Personnel
STEL-Excursion
STA - Stationary
G\B - Glove Bag

CLEAN AREAS:
D/CON - Clean Room
CB-At Critical Barrier
REM - Remote Inside
EXT - Exterior Ambient
AFD - AFD Exhaust

051104126

051104126

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

051104126

# LAB CHAIN OF CUSTODY

| | |
|---|---|
| Representative: T. Geiger | Fax Results to: T. Geiger |
| Company Name: Environmental Tactics, Inc. | Project Name/#: SCCC, Inc. / 2011-116 |
| Street: 64 Broad Street | Project Address: 1025-35 Belleville Tpke., Kearny, NJ |
| City/State: Matawan, New Jersey 07747 | Phone #:(732) 290-2217 |
| Date: 12-07-11 | Fax #: (732) 290-2236 |
| No. of Samples: 8 | E-Mail: tgeiger@envtactics.com |

**MATRIX (CIRCLE)**

| | | |
|---|---|---|
| Air | Floor Tile | Soil |
| Bulk | Drinking Water | Dust |
| Wipe | Wastewater | Lead |

**TURNAROUND (CIRCLE)**

| | | | |
|---|---|---|---|
| 6-10 DAYS | 72 HOUR | 24 HOUR | OTHER |
| 5 DAYS | 48 HOUR | 6 HOUR | LEAD ONLY-24 HOUR |

**Check appropriate test**

| | | |
|---|---|---|
| **PCM:**<br><br>NIOSH 7400 AAR<br>OSHA<br>OTHER<br>NIOSH 7082(Lead in Air) | **TEM AIR:**<br><br>AHERA<br>NIOSH 7402<br>LEVEL I<br>LEVEL II | **TEM WATER:**<br><br>WASTEWATER<br>DRINKING WATER EPA 100.1<br>WATER-NY WASTEWATER<br>WATER-NY DRINKING WTR |
| **PLM:**<br><br>EPA 600<br>NOB<br>POINT COUNT<br>MICRO-VAC<br>NY 198.1<br>NYS 198.6 (NOB)<br>OTHER | **TEM BULK:**<br><br>DROP MOUNT (Qualitative)<br>CHATFIELD<br>CHATFIELD/SEM QC<br>COVENTIONAL (Qualitative)<br>EMSL METHOD<br>NOB<br>NOB/SEM QC<br>MICRO VAC (Quantitative)<br>MICRO VAC (Qualitative) | **TEM WIPE:**<br><br>QUANTITATIVE<br>QUALITATIVE<br><br>**XRD:**<br><br>ASBESTOS<br>SILICA<br>**OTHER:** Lead Wipe Clearance<br>Wipe Media: ASTM Wipes (ASTM E1792) |

| | |
|---|---|
| Relinquished: | Date/Time: 12 07 11 |
| Received: | Date/Time: |

RECEIVED
DEC 07 2011 220PM
BY A. Longo W.I
EMSL PISCATAWAY

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Toll Free: 1-888-ENV-TACT

ENVIRONMENTAL TACTICS, INC.

# AST's DAILY LOGS

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: T. Geigen Date: 10-11-11

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

0655- I, Thomas P. Geigen arrives on-site. I begin paperwork and Baseline Site Perimeter monitoring (Day #1). Weather: Partly cloudy, 56°, winds calm.

0705- I meet with Vamsee Veera, Project manager for Key Environmental to discuss the project.

0730- I begin sample preperation and pump calibrations.

0750- Site Perimeter, Baseline air samples started. All pumps pre-calibrated and noted on the air sampling log sheets.

1025- I inspect all air sampling locations to check sampling pumps, filter loading and calibrations.

1235- I check all monitoring stations. All samples continue to run. No visible loading was observed on the filters.

1409- I begin to collect all daily perimeter samples. All pump calibrations checked and noted.

1500- All paperwork completed. I depart the job site for the lab.

By: Date: 10-11-11 Page 1 of 1.

64 Broad Street, Matawan, New Jersey 07747-2534
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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: T. Geiger Date: 10-12-11

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

0645- I, Thomas P. Geiger arrives on-site. I sign-in in the Key Environmental field office trailer.

0655- I begin paperwork and pump calibrations for Day #2 of the site perimeter baseline monitoring. Weather: Cloudy, 62°, East wind 7-10 mph. (NOAA, Newark, NJ)

0710- I begin to set sampling pumps in the field. All pumps pre-calibrated and noted on the air sampling log sheets.

1000- I check all perimeter sampling locations and pumps. All samples continue to run. No visible loading on any of the sampling filters.

1200- All samples continue to run. Light rain begins to overspread the area. Winds are calm now.

1400- I begin to collect all perimeter samples. All pump calibrations checked and noted on the daily log sheets.

1500- I complete all paperwork and departs the job site.

By: Date: 10-12-11 Page 1 of 1.

64 Broad Street, Matawan, New Jersey 07747-2534
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Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

| | | |
|---|---|---|
| To: Teresa M. Royek, P.G. | From: T. Geigen | Date: 10-13-11 |
| Weather: Lt. Rain/Drizzle | Temp: 59° | Wind: N.E. 6-9 mph |
| Subject: SCCC, Inc., Kearny, NJ. Bldg. 15, 17, 18 & 21 Asbestos Remediation Project | | Project No.: 2011-116 |

0700- I, Thomas P. Geigen arrives on-site. I begin paperwork and pump set-up/calibration.

0715- I sign-in @ the Key Env. site trailer and meet with Vamsee (Proj. Mgr.) to discuss the project

0740- I begin to set-up Site Perimeter Baseline Air samples (Day #3). All pump calibrations checked and noted on the air sampling log sheets.

0755- Non-Fixed Site Perimeter location #4 and #5 have been moved to the imediate North-East and North-West side of the Track 2 area along the fence line.

1030- I check all sampling pumps and filters. Samples continue to run.

1400- I begin to collect all background site perimeter samples. All pump calibrations checked and noted.

1500- I complete all paperwork and departs the site for the lab.

By: [signature] Date: 10/13/11 Page 1 of 1.

64 Broad Street, Matawan, New Jersey 07747-2534
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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: Roberto Lopez Date: 10/26/11

Weather: Temp: 51°F Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

630 THE TEAM ARRIVES TO JOB SITE.
70 THE CONTRACTOR WORKERS ARE HERE THEY START THE SAFETY MEETING
710 I MEET WITH SUPERVISOR JEFF SCHNEIDER AND. WE GO THROUGH THE WORK PLAN
730 THEY SEND THE WORKERS TO START SEAL THE BUILDING FOR OUTSIDE I GO TO THE PAPER WORK
740 I GO WITH THE KEY MAN TO SHOW ME. THE STATIONS HE SHOW TO SET UP THE PERIMETER SAMPLING AND CHECK THE CALIBRATION
I SET UP THE OSHA'S SAMPLING AROUND THE BUILDING #18.
830 THE WORKERS CONTINUE ON THE JOB.
915 THE WORKERS TAKE COFFEE BREAK
925 THEY COME BACK AND RESUME THEIR JOB.
1030 THEY CONTINUE ON THE CRITICAL BARRIER
1130 THE JOB STILL IN PROGRESS
1215 THE WORKERS START DECON AND GO TO TAKE LUNCH TIME.
1315 THEY COME FROM LUNCH AND RESUME THEIR JOB

By: [signature] Date: 10/26/11 Page 1 of ____.

64 Broad Street, Matawan, New Jersey 07747-2534
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO URIBE Date: 10/26/11

Weather: Temp: 60 Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

1415 THE WORKERS STILL DO THE CRITICAL BARRIERS
THE TECH GO AROUND TO CHECK THE OAHS AND
THE PERIMETER SAMPLING
1530 THE WORKER STILL DO THE PREPARATION
1600 THE TECH GO TO COLLECT THE
PERIMETER SAMPLING & THE OAHS SAMPLING
NO THE WORKERS START COLLECT THE
EQUIP & SUPPLIES
NO LEAVE OFF THE SITE

By: Date: 10/26/11 Page 2 of 2.

64 Broad Street, Matawan, New Jersey 07747-2534
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO NUÑEZ Date: 10/27/11

Weather: RAIN Temp: 52°F Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

6:40 THE TECH ARRIVE TO JOB SITE
7.0 THE CONTRACTOR WORKERS ARE HERE. THEY GO TO SAFETY MEETING THE TOPIC FOR TODAY IS FALL, USE LADDERS, MAN LIFT ETC.
USE RESPIRATOR INSIDE OF THE BUILDING, TYVEK SUIT, GLOVES, BOOT'S OR BOOTIES
7:05 THE TECH SETUP THE PERIMETER 2 THE AIR SAMPLING AND CHECK THE CALIBRATION AT 30 L/M
7:20 THE WORKERS CONTINUE TO THE PREPARATION OF THE BUILDING
8:30 THEY CONTINUE TO THE JOB.
9:30 THE WORKERS START OFFCON OUT AND TAKE BREAK
10.0 COME BACK FROM BREAK AND RESUME THEIR JOB
11.0 THEY CONTINUE TO THE PREPARATION
12:0 THE JOB IS IN PROGRESS
12:30 THE WORKERS START OFFCON OUT AND GO FOR LUNCH
13:30 THEY COME BACK AND RESUME THEIR PREPARATION JOB.
14.0 I GO WITH THE SUPERVISOR INSIDE OF THE BUILDING TO CHECK THE AREA

By: [signature] Date: 10/27/11 Page 1 of ____.

64 Broad Street, Matawan, New Jersey 07747-2534
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO UNIBE Date: 10/27/11

Weather: RAIN Temp: 50°F Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

1500 THE WORKERS CONTINUE DO THE PREPARATION
OF THE BUILDING
THE WEATHER STILL RAIN
THE DAILY & PERIMETER SAMPLING STILL GOING
16 THEY CONTINUE DO THE JOB
1630 THE TECH GO TO START COLLECT THE
SAMPLING AND CHECK THE CALIBRATION AT 3 PUMPS
1645 THE WORKERS START WRAPING THE AREA
1705 WE LEAVE OF THE AREA

By: Date: 10/27/11 Page 2 of 2.

64 Broad Street, Matawan, New Jersey 07747-2534
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

**Field Memorandum**

| | | |
|---|---|---|
| To: Teresa M. Royek, P.G. | From: ROBERTO URIBE | Date: 10/28/11 |
| Weather: SUNNY. | Temp: 52°F | Wind: |
| Subject: SCCC, Inc., Kearny, NJ. Bldg. 15, 17, 18 & 21 Asbestos Remediation Project | | Project No.: 2011-116 |

640 THE TECH ARRIVE TO JOBSITE
7.0 THE CONTRACTOR WORKERS ARE HERE THEY GO TO SAFETY MEETING
710 THE TECH GO TO SETUP THE DAILY 2 PERIMETER SAMPLING AND CHECK THE CALIBRATION AT 3.0 LPM
730 THE WORKERS GO TO CONTINUE DO THE PREPARATION JOB IN BUILDING #18
I ASK THE SUPERVISOR ABOUT THE PERMIT FROM THE KEARNY CITY
830 THE WORKERS CONTINUE DO THE PREPARATION
930 THE WORKERS START DECON OUT AND GO FOR BREAK
100 THEY COME BACK FROM BREAK AND RESUME THEIR JOB: SET UP THE WASTE DECON, DO THE PREPARATION AND THEY WANT START REMOVE THE DRUMS FROM THE BUILDING THIS DRUMS HAVE SOME CHEMICALS THE SUPERVISOR FOUND THE CHEMICAL IS THERE IS SOME DRY CHEMICAL
11.0 THEY CONTINUE DO THE JOB.
12.0 THE WORKERS CONTINUE DO THE JOB. THE DAILY 2 THE PERIMETER SAMPLING CONTINUE
1220 THE WORKERS START DECON OUT AND GO TO TAKE LUNCH

By: [signature] Date: 10/28/11 Page 1 of ____.

64 Broad Street, Matawan, New Jersey 07747-2534
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: Robert Webb Date: 10/28/11

Weather: sunny Temp: 60. Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

1230 LUNCH TIME.
1330 THEY COME BACK FROM LUNCH TIME AND RESUME THEIR JOB.
1430 THEY CONTINUE TO THE PREPARATION JOB.
1530 THE JOB IS IN PROGRESS
1645 THE TECH GO TO COLLECT THE PERIMETER & AREA SAMPLING

By: Date: 10/28/11 Page 2 of 2.

64 Broad Street, Matawan, New Jersey 07747-2534
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO UNICE Date: 10/29/11

Weather: RAIN Temp: 46 Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

6.40 THE TECH. ARRIVE TO JOB SITE.
7.0 THE CONTRACTOR WORKERS ARE HERE AND THEY START THE SAFETY MEETING THE TECH SETUP THE DARKS
8.0 THEY CONTINUE TO THE PREPARATION
9.0 THE JOB IS IN PROGRESS THE WEATHER STILL RAIN
9.45 THE WORKERS GO TO THE BREAK
10.5 THEY COMING BACK FROM BREAK AND CONTINUE TO THE JOB
11.15 THE SNOW START THE WORKERS CONTINUE TO THE PREPARATION IN THE JOB.
12.30 THEY CONTINUE TO THE JOB. THE BAD WEATHER CONTINUE RAIN, SNOW, COLD.
13.45 THE SUPERVISOR DECIDE FINISH THE JOB FOR TODAY THE TECH GO TO COLLECT THE SAMPLING AND CHECK THE CALIBRATION
14.15. LEAVE OFF THE SITE.

By: [signature] Date: 10/29/11 Page 1 of ____.

64 Broad Street, Matawan, New Jersey 07747-2534
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

| | | |
|---|---|---|
| To: Teresa M. Royek, P.G. | From: ROBERTO LIRIBE | Date: 10 31-11 |
| Weather: SUNNY / COLD | Temp: 37°F. | Wind: |
| Subject: SCCC, Inc., Kearny, NJ. Bldg. 15, 17, 18 & 21 Asbestos Remediation Project | | Project No.: 2011-116 |

6:45 THE TECH ARRIVE TO JOB SITE.
7:0 THE CONTRACTOR WORKERS ARE HERE THEY START
THE SAFETY MEETING
7:10 THE TECH GO TO SET UP THE DAILY SAMPLING
AND CHECK THE CALIBRATION
7:30 I MEET WITH CONTRACTOR SUPERVISOR AND WE TALK
ABOUT. THE WORK PLAN FOR TODAY.
TODAY THEY GO TO KEARNY TOWN TO FOUND ABOUT
THE PERMIT
THE WORKERS CONTINUE THE PREPARATION OF THE AREA
8:30 THE JOB IS IN PROGRESS
9:30 I ASK THE SUPERVISOR ABOUT THE CONTAINER
THE WORKERS TAKE THE BREAK.
13:30 THE SUPERVISOR COME FROM THE CITY HALL.
AND THEY SAY TOMORROW THEY HAVE THE PERMIT
THE TECH GO TO COLLECT THE DAILY SAMPLING
14:30 THE TECH LEAVE FROM THE SITE

By: [signature] Date: 10/31/11 Page 1 of 1.

64 Broad Street, Matawan, New Jersey 07747-2534
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO LINARE Date: 11/01/11

Weather: SUNNY. Temp: 68 Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

6:00 THE TECH ARRIVE TO JOBSITE SIGN IN AND GO TO WORKING AREA
7.0 THE CONTRACTOR WORKERS ARE HERE THEY GO TO SAFETY MEETING
THE TECH GO TO SETUP THE DAILY'S SAMPLING AND THE PERIMETER TO.
8:30 MR TOM GEIGER IS HERE.
9:30 THE WORKERS TAKE BREAK
10.0. THEY COME BACK FROM BREAK AND RESUME THEIR JOB.
11.0 THE DAILY SAMPLING STILL GOING THE SAME. THE PERIMETER SAMPLING
12:30 THE WORKERS START SECURE OUT. AND GO FOR LUNCH TIME.
1:30 THEY COME BACK FROM LUNCH
15.10 THE WORKERS START CLEAN UP TO GO HOME.
THE TECH GO TO COLLECT THE SAMPLING
1560 GO HOME

By: [signature] Date: 11-01-11 Page 1 of 1.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

| | | |
|---|---|---|
| To: Teresa M. Royek, P.G. | From: Robert Urice | Date: 11/02/11 |
| Weather: sunny. | Temp: 56°F. | Wind: |
| Subject: SCCC, Inc., Kearny, NJ. Bldg. 15, 17, 18 & 21 Asbestos Remediation Project | | Project No.: 2011-116 |

635 THE TECH ARRIVE TO JOB SITE

7.0 THE CONTRACTOR WORKERS ARE HERE. THEY DO THE SAFETY MEETING

THE TECH GO TO SETUP THE OSHA SAMPLING AND THE PERIMETER SAMPLING CHECK THE CALIBRATION

8.0 THEY GO TO SETUP THE PLASTIC IN THE CONTAINNER

9.0 THEY CONTINUE DO THE JOB.

THE SUPERVISOR GO TO THE TOWN TO PICK UP THE PERMIT

930 THE WORKERS TAKE BREAK

10.0 THEY COME BACK FROM BREAK AND RESUME THEIR JOB.

1015 THE CONTAINNER IS HERE FOR TRANSITE.

11.0. THE SUPERVISOR BRING THE PERMIT

1130 THEY STARTED SET UP THE GLOVE BAG TO START. REMOVE THE PIPE. I GO TO CHECK THE AREA

1230 THEY TAKE DECON AND GO TO LUNCH TIME

1345 THEY COME BACK FROM LUNCH AND RESUME THEIR JOB

THEY STARTED SET UP THE AREA TO START REMOVE THE TRANSITE FROM BUILDING # 21

By: [signature] Date: 11 02 11 Page 1 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO URIBE Date: 11 02 11

Weather: SUNNY Temp: 60°F Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

1140 THE TECH START SET UP THE OSHA SAMPLING AND CHECK THE CALIBRATION 6.0 L/min

1500 THE WORKERS CONTINUE ON THE JOB: CLEANING BUILDING #18 & TRANSITE IN BUILDING #21

1630 THE WORKERS START WRAPPING THE AREAS.

1640 THE TECH GO TO PICK UP THE SAMPLING AND CHECK THE CALIBRATION & SET UP THE 2ND SET IN. THE PERIMETER CHECK THE CALIBRATION AT 2.0 L/min

1700 WE LEAVE THE SITE

By: [signature] Date: 11/02/11 Page 2 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

| | | |
|---|---|---|
| To: Teresa M. Royek, P.G. | From: ROBERTO URIBE | Date: 11-03-11 |
| Weather: SUNNY | Temp: 50°F | Wind: |
| Subject: SCCC, Inc., Kearny, NJ. Bldg. 15, 17, 18 & 21 Asbestos Remediation Project | | Project No.: 2011-116 |

640 THE TECH ARRIVE TO JOB SITE AND START SWICH THE SAMPLING IN THE PERIMETER AND CHECK THE CALIBRATION AT 30 LT/M

7.0 THE CONTRACTOR WORKERS GO TO SAFETY MEETING THE TOPIC FOR THIS MEETING THE P.P.E THEY HAVE TO USED AND THE SAFETY EQUIP LIKE THE BODY HARNESS, RESPIRATOR TYVEK ETC.

THE WORKERS HAVE TO WORK IN BUILDING #18 GLOVEBAG'S AND BUILDING #21 TRANSITE REMOVE

8.0 THEY CONTINUE DO THE JOB.

930 THEY TAKE BREAK & CALL FOR VISUAL INSPECTION FOR GLOVEBAG.

10.0 I GO INSIDE OF THE AREA THEY HAVE TO CLEAN LITTLE MORE.

11.0 ALL IS OK. NOW THEY CAN CAP THE AREA

1130 THEY START CAP THE AREA.

120 FINISH ENCAPSULATE

1230 TAKE LUNCH TIME

1315 THEY COME BACK FROM LUNCH TIME I GO TO THE AREA IS READY TO RUN THE POST TEST.

1330 START SET UP THE EQUIP TO DO THE FINAL TEST

1340 I START AGITATION THE AIR INSIDE THE AREA.

By: [signature] Date: 11/03/11 Page 1 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

| | | |
|---|---|---|
| To: Teresa M. Royek, P.G. | From: ROBERTO URIBE | Date: 11.03.11 |
| Weather: SUNNY. | Temp: 60°F | Wind: |
| Subject: SCCC, Inc., Kearny, NJ. Bldg. 15, 17, 18 & 21 Asbestos Remediation Project | | Project No.: 2011-116 |

1345. THE POST TEST START THE CALIBRATION IS CHECK AT 10LT/M
THE WORKERS CONTINUE REMOVE THE TRANSITE
14.0 THE SAMPLING STILL GOING.
150 THE WORKERS CONTINUE DO THE JOB AND THE POST TEST CONTINUE RUN
1545 THE TECH GO TO START COLLECT THE DAILY SAMPLING AND CHECK THE CALIBRATION
16.15 THE TECH GO TO THE AREA TO COLLECT THE POST TEST AND CHECK THE CALIBRATION AT 10LT/M
1645 THE CONTRACTOR & THE TECH LEAVE OF THE SITE, THE TECH GO TO THE LAB. TO BRING THE SAMPLING TO ANALYSIS

By: [signature] Date: 11 03/11 Page 2 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO URIBE Date: 11-08-11

Weather: SUNNY. Temp: 60°F. Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

630 THE TECH ARRIVE TO JOB SITE
70 THE CONTRACTOR WORKERS ARE HERE. THEY GO TO SAFETY MEETING
WE HAVE THE RESULT FOR THE POST TEST.
THE WORK PLAN FOR TODAY CONTINUE REMOVE THE TRANSITE IN BUILDING 21 AND SET UP THE PERSONAL DECON IN BLDG # 18
THE TECH GO TO SET UP THE DAILY SAMPLING AND CHECK THE CALIBRATION AT 30 L/m
930 THE WORKERS TAKE COFFEE BREAK
10.0 THEY COME BACK FROM BREAK AND RESUME THEIR JOB.
11.0 THE JOB IS IN PROGRESS
120 THE WORKERS CONTINUE DO THE JOB
1215 THE WORKERS DO THE DECON AND GO FOR LUNCH TIME.
1230 LUNCH TIME.
1330 THEY COME BACK FROM LUNCH AND RESUME THEIR JOB.
1430 THE WORKERS STILL REMOVE THE TRANSITE AND CONTINUE DO THE PREPARATION IN BLDG 18

By: Date: 11.08.11 Page 1 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

| | | |
|---|---|---|
| To: Teresa M. Royek, P.G. | From: ROBERTO URIZE | Date: 11.08.11 |
| Weather: SUNNY. | Temp: 65°F | Wind: |
| Subject: SCCC, Inc., Kearny, NJ. Bldg. 15, 17, 18 & 21 Asbestos Remediation Project | | Project No.: 2011-116 |

1530 THE JOB STILL IN PROGRESS.
16.20 THE TECH GO TO. EXCHANGE THE SAMPLING AND CHECK THE CALIBRATION 3.0 FT/M
1650 START COLLECT THE DAILY SAMPLING AND CHECK THE CALIBRATION
17.15 LEAVE OF THE AREA

By: [signature] Date: 11/08/11 Page 2 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO UMBE Date: 11 09 11

Weather: SUNNY Temp: 60°F Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

630 THE TEAM ARRIVE TO JOB SITE
7.0 THE CONTRACTOR WORKERS GO TO SAFETY MEETING
THE TOPIC FOR THIS MEETING: THE PROTECTION THEY
HAVE TO USED WHAT THEY GO INSIDE THE WORKING
AREA THEY HAVE TO USE THE PPE THEY NEED
LIKE TYVEK SUIT, WORK BOOTS, GLOVES, GLASSES,
RESPIRATOR'S HARD HAT, TAKE SHOWER WHAT THEY COME
OUT FROM THE AREA, HOW THEY USED THE EQUIP ETC
THE TEAM GO TO SWITCH THE SAMPLES IN THE PERIMETER
THE WORKERS GO TO CONTINUE WORK INSIDE OF BUILDING 18
AND BLDG # 21 FINAL CLEAN
830 THE JOB IS IN PROGRESS
930 THE WORKERS TAKE BREAK
10.0 COME BACK FROM BREAK AND RESUME THEIR JOB
11.0 THEY CONTINUE THE JOB
12.0 THE WORKERS FINISH BLDG. 21 SECOND FLOOR CLEAN UP
THEY CONTINUE BLDG 21 1ST FLOOR.
1290 THEY GO TO DECON AND GO TO TAKE LUNCH TIME
130 THE WORKERS COME FROM LUNCH AND RESUME
THEIR JOB

By: Date: 11 09 11 Page 1 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO UNUBE Date: 11 09 11

Weather: SUNNY Temp: 60°F Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

14:30 THE WORKERS FINISH CLEAN UP THE BUILDING
#21. I GO TO DO THE VISUAL INSPECTION, THEY
DO GOOD JOB.
1530 THE WORKERS INSIDE OF BLDG. 18 CONTINUE THE
DEMOLITION
1630 THE TECH GO TO COLLECT THE SAMPLING
IN THE PERIMETER AND PUT THE SAMPLING FOR
NIGHT TIME.
THE WORKERS START PEOPLE OUT TO GO HOME
17:10 GO HOME

By: Date: 11 09 11 Page 2 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

| | | |
|---|---|---|
| To: Teresa M. Royek, P.G. | From: ROBERTO URIBE | Date: 11-10-11 |
| Weather: SUNNY | Temp: 60°F | Wind: |
| Subject: SCCC, Inc., Kearny, NJ. Bldg. 15, 17, 18 & 21 Asbestos Remediation Project | | Project No.: 2011-116 |

640 THE TECH ARRIVE TO JOB SITE
AND GO TO SWICH THE SAMPLING IN THE PERIMETER
AND CHECK THE CALIBRATION
7.0 THE CONTRACTOR WORKERS GO TO SAFETY MEETING
715 THEY FINISH THE MEETING AND GO TO WORKING
CHANGE THE CLOTHES WEAR THE P.P.E. THEY NEED
TO DO THE JOB INSIDE
845 THE TECH SET UP THE EQUIP TO DO THE POST
TEST. THIS START AND THE CALIBRATION IS CHECK AT 10LT/m
THIS POST TEST IS IN BUILDING # 21
1045 THE WORKERS START DO THE PREPARATION IN BUILDING # 17
THE WORKERS MOVE THE BOXES TO CONTAINER
1115 THE TECH GO TO COLLECT THE POST TEST AND
CHECK THE CALIBRATION AT 10LT/m
1130 THE WORKER START REMOVE THE WINDOWS IN BLDG. # 17
THE OTHER WORKERS ARE INSIDE THE BUILDING # 18 THE
NEGATIVE PRESURE IS 0.02 W
1215 THE WORKERS START DECON OUT AND GO FOR LUNCH
TIME
1230 LUNCH TIME
1330 COME FROM LUNCH TIME AND CHANGE THEIR CLOTHES

By: [signature] Date: 11-10-11 Page 1 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. | From: ROBERTO [illegible] | Date: 11-10-11

Weather: SUNNY | Temp: 60°F. | Wind:

Subject: SCCC, Inc., Kearny, NJ. Bldg. 15, 17, 18 & 21 Asbestos Remediation Project | Project No.: 2011-116

COVER THE PPE AND GO INSIDE OF THE AREA AND
CONTINUE DO THE JOB
14:30 THEY CONTINUE DO THE JOB
15:30 THE WORKERS STILL DOING
16:30 THE TECH GO TO COLLECT THE DAILY SAMPLING
FOR THE PERIMETER TO CHECK THE CALIBRATION AT 3.0 L/m
17:0' WE LEAVE OF THE SITE

By: [signature] | Date: 11-10-11 | Page 2 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO UBIBE Date: 11-11-11

Weather: Temp: 40°F. Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

630 THE TECH ARRIVE TO JOB SITE
700 THE CONTRACTOR WORKERS GO TO SAFETY MEETING
THE TECH GO TO SET UP THE PERIMETER SAMPLING AND CHECK THE CALIBRATION PUMPS
715 SET UP THE DAILY SAMPLING
728 THE WORKERS GO TO WORKING AREA AND WEAR THE P.P.E THEY NEED TO DO THE JOB THE NEGATIVE PRESSURE IS .03 WC.
830 THE WORKERS CONTINUE REMOVE THE MATERIAL INSIDE OF BLDG. 18
TWO WORKERS START SET UP THE AREA AROUND BLDG #17 TO CONTINUE REMOVE THE WINDOWS
915 THE WORKERS FROM BLD. 18. START TAKE SHOWER TO GO FOR BREAK.
930 BREAK TIME
100 COME BACK FROM BREAK AND CHANGE THEIR CLOTHES AND RESUME THEIR JOB. THE SAMPLING STILL RUN.
110. THEY CONTINUE DO THE JOB
1215 THE WORKERS GO TO THE DECON TAKE SHOWER

By: Date: 11/11/11 Page 1 of ____.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: Roberto Uribe Date: 11.11.11

Weather: Sunny Temp: 70°F Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

12 30 GO TO TAKE LUNCH TIME.
13.30 COME BACK FROM LUNCH TIME.
14 30 THEY CONTINUE TO THE JOB.
1530 THE NEGATIVE PRESIOA IS 0.03WC
1630 THE TECH GO TO CONTACT THE PERIMETER SAMPLING
AND CHECK THE CALIBRATION
1710 LEAVE OF THE SITE

By: Date: 11/11/11 Page 2 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. | From: ROBERTO UNGE | Date: 11-12-11

Weather: SUNNY / WIND. | Temp: 50°F | Wind:

Subject: SCCC, Inc., Kearny, NJ. Bldg. 15, 17, 18 & 21 Asbestos Remediation Project | Project No.: 2011-116

630 THE TECH ARRIVE TO JOB SITE.
7:0 THE CONTRACTOR WORKERS GO TO SAFETY MEETING, AND THE TECH GO TO SETUP THE DAILY SAMPLING AND CHECK THE CALIBRATION SOLUTION
SOME WORKERS GO TO BUILDING INSIDE THE WORKING AREA BLDG #18 THE OTHERS TWO GO TO BUILDING #17 REMOVE THE WINDOWS.
THE NEGATIVE PRESSURE IN BUILDING #18 IS 0.03 WC.
830 THE TECH GO INSIDE THE WORKING AREA TO CHECK THE AREA. THEY REMOVE INSIDE OF THE AREA LIKE 60% AND NOW THEY PICKUP THE AMC
930 THE TECH LEAVE THE AREA AFTER TAKE SHOWER
9:40 THE WORKERS TAKE. THE DECON AND GO TO BREAK
10:0 COME BACK FROM BREAK AND RESUME THE JOB REMOVE, MOVE THE BOXES TO CONTAINER AND REMOVE THE WINDOWS
11-30 THE JOB STILL GOING
1230 THE WORKERS DECON OUT AND GO TO TAKE LUNCH BREAK

By: [signature] | Date: 11-12-11 | Page 1 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO UNUBE Date: 11-12-11

Weather: SUNNY Temp: Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

1330 THE WORKERS COME FROM THE LUNCH AND CHANGE THEIR CLOTHES AND RESUME THEIR JOB.
14.30 THEY CONTINUE INSIDE THE AREA REMOVE AND CLEAN UP BAG OUT. IN BLDG # 18 BLDG 17 CONTINUE REMOVE THE WINDOWS
1530 THE NEGATIVE PRESSION IS 0.35 W.C
THE WORKERS BLDG #17 START REMOVE THE TRANSITE
1630 THE WORKERS IN BUILDING #17 START THE FINAL CLEAN AND PICK UP ALL TOOLS & SUPPLIES
THE TECH GO TO COLLECT THE DAILY SAMPLING AND CHECK THE CALIBRATION AT 3.0LPM
1645 THE WORKERS IN BUILDING START GO THE SHOWER AND GO HOME
1715 GO HOME

By: Date: 11/12/11 Page 2 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO LUGO Date: 11 14.11

Weather: SUNNY Temp: 60°F Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

635 THE TECH ARRIVE TO JOB SITE
7.0 THE CONTRACTOR WORKERS GO TO SAFETY MEETING
THE TECH GO TO SETUP THE DAILY SAMPLING AND CHECK
THE CALIBRATION
730 THE TECH GO TO CHECK THE AREA AROUND BLD #17
THEY PASS THE VISUAL INSPECTION
815 THE TECH SETUP THE EQUIP TO DO THE POST AROUND
THE BLDG. #17
845 THE POST TEST START THE CALIBRATION IS CHECK AT
WETPS
9.0 THE WORKERS START REMOVE THE TRANSITE IN BLDG.
#15.
930 THE WORKERS GO TO TAKE BREAK
10.0. THEY COME BACK FROM BREAK AND RESUME
THEIR JOB.
1015 THE REY. WORKERS ARE HERE WE TALK.
ABOUT JOB THE CHEMTRO CORP WANT CLOSE THE
TANK NEXT WEEK THEY BRING THE TRUCK AND DO
THE JOB IN THE SAME TIME WE DO THE A.M.C
11 15 THE WORKERS CONTINUE DO THE JOB.

By: [signature] Date: 11/14/11 Page 1 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO UNIBE Date: 11-14-11

Weather: SUNNY Temp: 60°F Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

12:15 THE WORKERS FROM BLDG #18 START DECON OUT.
TO GO FOR LUNCH THE NEGATIVE PRESSURE IS 0.02 WC
1350 THEY COME BACK BACK FROM LUNCH AND
RESUME THEIR JOB.
1450 THEY CONTINUE DO THE JOB IN BLDG #15
REMOVE THE TRANSITE.
THE JOB IN BLDG #18 STILL GOING THE CALIBRATION
WITH NEGATIVE PRESSURE IS 0.02 WC
15:50 THE JOB IS IN PROGRESS
1600 THE TECH GO TO COLLECT THE DAILY
SAMPLING
1700 THE WORKERS START DECON OUT
1710 GO HOME

By: [signature] Date: 11/14/11 Page 2 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO URIBE Date: 11 15.11

Weather: CLOUD Temp: 55° Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

630 THE TEAM ARRIVE TO JOBSITE, AND GO TO SET UP THE PERIMETER SAMPLING
7.0 THE CONTRACTOR WORKERS ARE HERE THEY GO TO SAFETY MEETING, THE WORK PLAN FOR TODAY CONTINUE ON THE ABATEMENT INSIDE OF BUILDING #18
THEY START CHECK THE PERIMETER AND THE CRITICAL BARRIER
AND THEY CONTINUE REMOVE THE TRANSITE IN BLDG. # 15.
930 THE WORKERS TAKE BREAK
100 THEY COME BACK FROM BREAK AND RESUME THEIR JOB.
1030 THE NEGATIVE PRESSURE IN BLDG #18 IS -0.02 WC.
110 THE UNION IS HERE THEY TAKE OUT THE WORKERS FROM THE AREA
I TALK WITH SUPERVISOR THEY HAVE TO USED THE STRAP TO MOVE THE TRANSITE TO CONTAINNER
1215 THE WORKERS GO TO TAKE BREAK FOR LUNCH TIME.
1315 THE WORKERS COME BACK FROM LUNCH AND RESUME THEIR JOB.

By: [signature] Date: 11 15.11 Page 1 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO UNIBE Date: 11 15 11

Weather: GOOD Temp: 55°F. Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

1400 THE WORKERS STILL DO THE JOB.
1500 THEY CONTINUE FINAL CLEAN UP IN BLDG. #18
AND REMOVE THE TRANSITS IN BUILDING #15
1630 THE WORKERS START WRAP THE AREA AND THE
TECH GO TO COLLECT DAILY SAMPLING
1700 LEAVE OF THE SITE

By: [signature] Date: 11/15/11 Page 2 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

| | | |
|---|---|---|
| To: Teresa M. Royek, P.G. | From: Roberto Uribe | Date: 11 16 11 |
| Weather: Rain | Temp: 50°F | Wind: |
| Subject: SCCC, Inc., Kearny, NJ. Bldg. 15, 17, 18 & 21 Asbestos Remediation Project | | Project No.: 2011-116 |

630 THE TECH ARRIVE TO JOB SITE.
6.40 THE TECH GO TO SET UP THE DAILY SAMPLING
AND CHECK THE CALIBRATION 3.0 LT/m
7.0 THE CONTRACTOR WORKERS GO TO SAFETY METING
THE WORK PLAN. FOR TODAY CONTINUE CLEAN UP THE
BUILDING #18, REMOVE THE TRANSITE IN BLDG #15
AND WHEN THE VAC TRUCK IS HERE THEY DO THE VACCUM
IN BLDG #17
8.0 THEY CONTINUE WORK.
9.0. THE VAC TRUCK IS HERE THEY SET UP THE AREA
IN BLDG #17
THE WORKERS TAKE BREAK
930 THEY COME BACK FROM BREAK AND RESUME THEIR JOB
START WORK IN BLDG #17
1030 THE JOB STILL GOING
1130 THE JOB IS OK. THEY GO TO PICKUP WATER
1215 THEY COME BACK WITH WATER TO CONTINUE THE
JOB THE OTHER WORKERS TAKE DEWN AND
GO FOR LUNCH TIME
1230 LUNCH TIME

By: [signature] Date: 11 16 11 Page 1 of 1.

64 Broad Street, Matawan, New Jersey 07747-2534
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Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO UNIGE Date: 11 16 11

Weather: RAIN Temp: 50°F Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

1330 THE WORKERS COME BACK FROM BREAK AND GO TO WEAR THE P.P.E AND RESUME THEIR JOB.
THE SAPLING STILL GOING
1430 THE WORKERS CONTINUE TO THE FINAL CLEAN UP
1530 THE WORKERS STILL WORKING IN THE BUILDING #17
1630 THE TECH GO TO COLLECT THE SAMPLING AND CHECK THE CALIBRATION
1680 THE WORKERS GO TO ~~BECOM~~ I TALK TO SUPERVISOR ABOUT. THE SHOWER THE WORKERS ARE SUPOSE TAKE
1715 GO HOME

By: Date: 11 16 11 Page 2 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERT UNGE Date: 11/17/11

Weather: RAIN Temp: 42°F Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

630 THE TECH DRIVE TO JOB SITE. SIGN IN

650 THE TECH GO TO SETUP THE SAMPLING IN PERIMETER AND CHECK THE CALIBRATION 3.0 L/M

7.0 THE CONTRACTOR WORKERS DO THE SAFETY MEETING THE TOPIC FOR MEETING IS: PIPE THE POSITION THEY HAVE TO FOLLOW FOR CLEAN UP THE TANK AND VACCUM THE PIT

820 THE VACTRUCK IS HERE THEY SET UP THE AREA

9.0 THEY START WORK WITH THE TRUCK

930 THE WORKERS TAKE SECON AND GO TO COFFEE BREAK

10.0 THEY COME BACK FROM BREAK AND RESUME THEIR JOB.

1015 THE TECH GO INSIDE OF AREA

120 THE TECH LEAVE THE WORKING AREA. TAKE SHOWER. THE WORKER STILL DO THE FINAL CLEAN.

1230 THE WORKERS SECON OUT AND GO FOR LUNCH TIME.

1330 THEY COME BACK FROM LUNCH AND RESUME THEIR JOB

By: [signature] Date: 11/17/11 Page 1 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

| | | |
|---|---|---|
| To: Teresa M. Royek, P.G. | From: ROBERTO URIBE | Date: 11.17-11 |
| Weather: RAIN | Temp: 42 | Wind: |
| Subject: SCCC, Inc., Kearny, NJ. Bldg. 15, 17, 18 & 21 Asbestos Remediation Project | | Project No.: 2011-116 |

1430 THE TRUCK COME AT THE AREA AND BEGINE THE JOB

1530 THE JOB KEEPING GOING

1600 THE TECH GO TO COLLECT THE ONLY SAMPLING BY THE PERIMETER AND CHECK THE CALIBRATION PUMPS

1650 THE WORKERS START DECON OUT.

1700 THE TECH GO TO COLLECT THE ONLY AROUND THE BUILDING #18

1710 LEASE OF THE SITE

By: [signature] Date: 11/17/11 Page 2 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

| | | |
|---|---|---|
| To: Teresa M. Royek, P.G. | From: ROBERTO CRUZ | Date: 11/18/11 |
| Weather: SUNNY | Temp: 45° | Wind: |
| Subject: SCCC, Inc., Kearny, NJ. Bldg. 15, 17, I8 & 21 Asbestos Remediation Project | | Project No.: 2011-116 |

630 THE TECH ARRIVE TO JOB SITE SIGN IN
650 THE TECH GO TO SET UP THE DAILY SAMPLING
IN THE PERIMETER AND CHECK THE CALIBRATION PUMP.
7.0 THE WORKERS GO TO SAFETY MEETING AND LATER GO TO
WORKING AREA TO CONTINUE ON THE JOB. IN BLDG #18.
FINAL CLEAN UP.
830 THEY CONTINUE ON THE JOB.
930 TAKE BREAK
10 COME BACK FROM BREAK AND RESUME THEIR JOB
110. THE MEN REMOVE THE BIRD FROM THE AREA.
THE WORKERS STILL WORKING
120 THEY CONTINUE ON THE JOB.
1215 THE WORKERS START ON THE PROCESS OUT.
AND GO FOR LUNCH TIME.
1330 COME BACK FROM LUNCH AND RESUME THEIR
JOB BLDG #18 FINAL CLEAN UP
1430 THE JOB IS IN PROGRESS
1530 THEY CONTINUE ON THE JOB FINAL CLEAN UP
1630 THE TECH GO TO COLLECT THE DAILY SAMPLING
1650 THE WORKERS START PROCESS OUT.
1655 LEAVE OF THE SITE.

By: [signature] Date: 11/18/11 Page 1 of 1.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO LUNOE Date: 11/9/11

Weather: SUNNY Temp: 66°F Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

630 THE TECH ARRIVE TO JOB SITE SIGN IN
650 THE TECH SET UP THE PERIMETER SAMPLING AND CHECK THE CALIBRATION PUMPS AT 3.0 LPM
715 THE WORKERS GO TO SAFETY MEETING AND LATER GO TO WORKING AREA
720 THE TECH GO INSIDE OF THE AREA TO DO THE VISUAL INSPECTION, THEY HAVE CONTINUE CLEAN UP
840 THE TECH GO OUT THE WORKING AREA
930 THE WORKERS TAKE BREAK
10.0 THEY FINISH THE BREAK AND COME BACK TO WORK
11.0 THEY CONTINUE CLEAN UP
1215 THEY BOOM OUT AND GO TO TAKE LUNCH
1230 LUNCH TIME
1330 THE WORKERS FINISH LUNCH AND COME BACK AND WEAR THE P.P.E THEY NEED AND GO TO THE WORKING AREA TO CONTINUE DO THE FINAL CLEAN
1430 THEY CONTINUE THE FINAL CLEAN UP
1530 THE JOB IS IN PROGRESS
1630 THE TECH GO TO COLLECT THE DAILY SAMPLING
17.0 LEAVE OFF THE SITE

By: [signature] Date: 11/9/11 Page 1 of 1.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: Roberto Uribe Date: 11/21/11

Weather: cloud Temp: 59°F. Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

635 THE TECH ARRIVE TO JOB SITE AND SIGN IN.
60 THE TECH GO TO SET UP THE DAILY PERIMETER.
AND CHECK THE CALIBRATION
7.0 THE CONTRACTOR WORKERS ARE HERE THEY
START. THE SAFETY MEETING THE TOPIC IS FALL TRIP
LIGHT P.P.E. ETC.
720 THE WORKERS GO TO WORKING AREA TO CONTINUE
DO THE FINAL CLEAN
830 THEY CONTINUE DO THE JOB.
10.00 THE WORKERS COME BACK FROM BREAK AND RESUME
THEIR JOB
1015 THE TECH GO INSIDE THE AREA TO DO THE 2ND
VISUAL INSPECTION I GO WITH SUPERVISOR THE AREA
IS OK BUT IN SOME SPA THEY HAVE TO RECLEAN.
THE SUPERVISOR SEND SOME WORKERS TO DO THE
JOB.
11.30 THE TECH GO OUTSIDE THE WORKING AREA
1215 THEY CONTINUE DO THE CLEAN UP
1245 THE WORKERS PERSON GET AND GO TO TAKE
LUNCH
1345 THEY COME BACK AND FINISH THE CLEAN UP

By: [signature] Date: 11 21 11 Page 1 of ____.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO UNGE Date: 11/21/11

Weather: CLOUD/SUNNY Temp: 50°F Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

1400 I GO TO THE AREA TO CHECK ALL IS OK THEY
CAN CAP THE AREA
1430 THEY START CAP THE AREA
1500 THEY CONTINUE DO THE JOB.
1620 THEY FINISH CAP THE AREA IN BLDG 7-18
1600 THE TEAM GO TO COLLECT THE AIR'S
AND CHECK THE CALIBRATION
1700 LEAVE OF THE SITE

By: [signature] Date: 11 21-11 Page 2 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

**Field Memorandum**

To: Teresa M. Royek, P.G. From: ROBERTO URIBE Date: 11 22 11

Weather: CLOUD/RAIN Temp: 48°F Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

630 THE TECH ARRIVE TO JOBSITE AND SIGN IN
650 THE TECH GO TO SET UP THE DAILY SAMPLING
IN THE PERIMETER AND CHECK THE CALIBRATION
AT 3.0 LT/m
70 THE CONTRACTOR WORKERS GO TO SAFETY
MEETING AND TALK ABOUT THE USED THE LIFT, body
HARNESS MOVE THE TRANSITE BUT TODAY THEY
WORK IN BLDG #15
730 THEY GO TO START. REMOVE AFTER THEY SET UP
THE AREAS.
920 THE TECH GO INSIDE OF THE AREA TO SET UP
THE EQUIP TO DO THE POST TEST. START MOVE THE
THE AIR WITH THE LEAF BLOWER
945 THE POST TEST START THE CALIBRATION IS CHECK
AT 10 LT/m IN BLDG #18
950 THE WORKERS STILL IN BREAK
1015 THEY COME BACK FROM BREAK AND RESUME
THEIR JOB. REMOVE THE TRANSITE
110. THEY CONTINUE WORK IN BUILDING #15
12.0 THE TECH GO INSIDE OF THE AREA IN BLDG #18
TO PICK UP THE POST TEST BLDG. #18.

By: [signature] Date: 11/22/11 Page 1 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO URIBE Date: 11/22/11

Weather: CLOUD/RAIN Temp: 50°F Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

1215 THE WORKERS CLEAN UP AND GO TO THE DECON
TO TAKE LUNCH TIME.
1230 LUNCH TIME.
1330 THEY COME BACK FROM LUNCH TIME.
AND
150 THE RAIN START THE WORKERS START
WRAPPING THE AREA
1615 START COLLECT THE DATA'S CHECK THE CALIBRATION
1630 GO TO THE LAB

By: Date: 11/22/11 Page 2 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

**Field Memorandum**

To: Teresa M. Royek, P.G. From: ROBERTO URIBE Date: 11/29/11

Weather: RAIN Temp: 50°F. Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

630 THE TECH ARRIVE TO JOBSITE. SIGN IN
7.0 THE TECH START SET UP THE PERIMETER DAILY SAMPLING
AND CHECK THE CALIBRATION PUMP
THE WORKERS GO TO SAFETY MEETING
730 THEY GO TO BLDG. #15 TO CONTINUE REMOVE THE TRANSITE.
830 THE JOB IS IN PROGRESS
920 THE NEW LIFT IS HERE.
930 THE WORKERS GO TO TAKE BREAK.
10.0. THE WORKERS COME BACK FROM BREAK AND RESUME
THEIR JOB
THEY START USE THE NEW LIFT TO REMOVE THE CRITICAL
BARRIER IN BLDG #18.
1130 THE JOB STILL GOING
1215 THE WORKERS START. DECON TO GO TO LUNCH.
1230 LUNCH TIME.
1315 COME BACK FROM LUNCH AND RESUME THEIR JOB
IN BUILDING #18 2 #15°
1430 THEY CONTINUE DO THE JOB. THE RAIN START
1530 THE JOB IS IN PROGRESS
1630 THE WORKERS START WRAPPING THE AREA, THE TECH PICK
THE SAMPLING. CHECK THE CALIBRATION

By: [signature] Date: 11/29/11 Page 1 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO URIBE Date: 11 29-11

Weather: cloud /RAIN Temp: 48°F Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

1650 THE WORKERS SECURITY THE AREA
1710 LEAVE OF THE AREA

By: Date: 11/29/11 Page 2 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO URIBE Date: 11 30 11

Weather: SUNNY/CLOUD. Temp: 48°F Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

635 THE TECH ARRIVE TO JOB SITE
7.0 THE CONTRACTOR WORKERS GO TO SAFETY MEETING
THE TECH GO TO SET UP THE DAILY SAMPLING IN.
THE PERIMETER
THE WORKER TODAY THEY CONTINUE REMOVE IN BLDG. #15
AND START REMOVE THE TRANSITE IN BLDG #18
8.0 THEY CONTINUE DO THE JOB.
9.30 THE WORKERS TAKE BREAK AND GO FOR
COFFEE.
10.0 THE COME FROM BREAK AND RESUME THEIR JOB.
11.0 THE JOB IS IN PROGRESS THE DEMO WORKERS ARE HERE
1215 THE WORKERS DECIDE OUT AND GO FOR LUNCH TIME.
1330 THEY COME BACK FROM LUNCH AND THE WORKERS
CONTINUE DO THE JOB REMOVE THE TRANSITE IN BLDG #18 2 FLS
AND MOVE THE TRANSITE TO CONTAINER
THE DEMO GUY START DO THE DEMO JOB IN BLDG #15
I STOP THE JOB WE CAN WORK TOGETHER IN THE
SAME BUILDING
THE TECH TALK TO SUPERVISOR ABOUT THIS PROBLEM
1430 THE WORKERS CONTINUE DO THE JOB
15.0 THE JOB IS IN PROGRESS

By: [signature] Date: 11-30-11 Page 1 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO UNIOS Date: 11 30.11

Weather: SUNNY / CLOUD Temp: 46°F Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

1615 THE WORKERS IN BLDG 18 CONTINUE REMOVE THE TRANSITE THEY CHANGE TO NORTH SITE.
1630 THE TECH GO TO COLLECT THE DAILY SAMPLING
1650 THE WORKERS START PICK THE TOOLS AND EQUIP THEY WRAPPING THE AREA
1710 LEAVE OFF THE SITE

By: Date: 11 30 -11 Page 2 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO NUNEZ Date: 12-01-11

Weather: SUNNY Temp: 50°F Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

630 THE TECH ARRIVE TO JOB SITE. SIGN IN
650 THE CONTRACTOR WORKERS ARE HERE. THEY
GO TO SAFETY MEETING THE TOPIC IS USED THE
FALL ARREST, BODY HARNESS, USED RESPIRATOR, GLASSES -
GLOVES ETC.
70 THE TECH GO TO SET UP THE DAILY SAMPLING
AND CHECK THE CALIBRATION
730 THE WORKERS FINISH SETUP THE AREAS AND THEY
CONTINUE TO THE JOB BLDG #18 & BLDG. #15. AND -
MOVE THE TRANSITE TO CONTAINER
830 THE JOB STILL GOIN.
930 THE WORKERS TAKE BREAK
10.0 THEY COME BACK FROM BREAK AND RESUME -
THEIR JOB
11.0 THEY STILL IN PROGRESS
1215 THE WORKERS ~~[illegible]~~ OUT AND GO FOR LUNCH TIME
1230 LUNCH TIME
1315 COME BACK FROM LUNCH AND CONTINUE TO THE
JOB - I TALK TO SUPERVISOR ABOUT REMOVE THE WINDOWS
AND SETUP THE CAUTION TAPE AROUND THE AREAS

By: [signature] Date: 12-01-11 Page 1 of ____.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO UNGE Date: 12.01.11

Weather: Temp: Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

14:30 THEY CONTINUE ON THE JOB. THEY REMOVE THE TRANSITE & THE WINDOWS

1530 THE WORKERS CONTINUE PUT THE ACM INSIDE OF THE CONTAINNER

1630 THE WORKERS START WRAPPING THE AREA

THE TECH START COLLECT THE SAMPLING AND CHECK THE CALIBRATION

NO WE LEAVE THE SITE

By: Date: 12.01.11 Page 2 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

**Field Memorandum**

To: Teresa M. Royek, P.G. From: ROBERTO URIBE Date: 12-02-11

Weather: Temp: Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

640 THE TECH ARRIVE TO JOB SITE. SIGN IN
650 THE CONTRACTOR WORKERS ARE HERE THEY GO TO
SAFETY MEETING THE TOPIC IS USED THE LIFT Y.L.G.
THE BODY HARNESS, HARD HAT GLOVES ETC.
7.0 THE TECH START SET UP THE DAILY SAMPLING IN.
THE PERIMETER AND CHECK THE CALIBRATION
720 THE WORKERS SET UP THE AREAS BLDG'S 18 & 15.
TO CONTINUE REMOVE THE TRANSITE & WINDOWS.
830 THEY CONTINUE REMOVE THE A.M.C.
930 THE WORKERS TAKE BREAK
1000 COME BACK FROM BREAK AND RESUME THEIR JOB
1100. THE JOB STILL IN PROGRESS
1215 THE WORKERS GO TO DECON
1230 LUNCH TIME.
1320 THEY COME BACK FROM LUNCH AND RESUME THEIR
JOB.
1430 THE WORKERS CONTINUE REMOVE THE TRANSITE
1530 THE JOB STILL GOING
1640 THE WORKERS START WRAPPING THE AREAS
THE TECH GO TO COLLECT THE DAILY SAMPLING
1710 LEAVE OFF THE SITE

By: [signature] Date: 12.02.11 Page 1 of ____.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO UNGE Date: 12-03-11

Weather: SUNNY. Temp: 45°F Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

635 THE TECH ARRIVE TO JOB SITE AND SIGN IN
70 THE CONTRACTOR WORKERS ARE HERE THEY GO TO SAFETY
MEETING, THE TECH GO TO SETUP THE OSHA SAMPLING
730 THE WORKERS FINISH SET UP THE AREA AND START GO.
THE ABATEMENT THE JOB REMOVE THE TRANSITE.
830 THEY MOVE THE A.C.M. TO CONTAINER
930 THE WORKERS TAKE BREAK
10.0 THEY COME BACK FROM BREAK AND RESUME THE JOB.
REMOVE THE TRANSITE
11.0 THE JOB STILL GOING
1215 THE WORKERS TAKE SECOND 2 GO TO LUNCH
1230 LUNCH TIME
1320 THEY COME FROM LUNCH AND RESUME THEIR JOB
THE WORKER IN BLDG. 18 MOVE TO EAST SIDE TO
START THIS SIDE TO REMOVE THE TRANSITE
1430 THEY CONTINUE REMOVE THE TRANSITE AND MOVE
TO CONTAINER.
1530 THEY CONTINUE DO THE JOB.
1630 THE WORKERS START COLLECT THE TOOLS AND EQUIP
THE TECH GO TO COLLECT THE OSHA SAMPLING

By: Date: 12·03·11 Page 1 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: Roberto Unos Date: 12/03/11

Weather: sunny Temp: 45°F Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

AND CHECK THE CALIBRATION
NO. THE WORKERS SHOW OUT TO GO HOME.

By: Date: 12 03 /4 Page 2 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

**Field Memorandum**

| | | |
|---|---|---|
| To: Teresa M. Royek, P.G. | From: ROBERTO URIBE | Date: 12 05-11 |
| Weather: CLOUD / SUNNY | Temp: 50°F | Wind: |
| Subject: SCCC, Inc., Kearny, NJ. Bldg. 15, 17, 18 & 21 Asbestos Remediation Project | | Project No.: 2011-116 |

630 THE TECH ARRIVE TO JOB SITE AND SIGN IN
650 THE CONTRACTOR WORKERS ARE HERE THEY GO TO SAFETY MEETING
THE TECH. SET UP THE DAILY SAMPLING AND CHECK THE PUMP'S
THE WORKERS START SETUP THE AREA TO CONTINUE REMOVE THE TRANSITE
830 THEY REMOVE THE WINDOWS, AND START THE FINAL CLEAN UP
930 THE WORKERS GO TO TAKE BREAK
100 THE WORKERS COME BACK FROM BREAK AND RESUME THEIR JOB.
110 THEY FINISH REMOVE THE WINDOWS IN BLDG #15 AND CONTINUE REMOVE THE TRANSITE IN BLDG #18
1215 THEY DECON OUT AND GO TO TAKE LUNCH
1320 COME BACK FROM LUNCH AND CONTINUE DO THE JOB.
1420 THEY CONTINUE REMOVE THE TRANSITE IN BLDG #18 AND DO THE FINAL CLEAN BLDG. #15
1530 THE JOB STILL GOING
1630 THE JOB KEEPING GOING
1645 THEY START WRAPPING THE AREA
1715 LEAVE OF THE SITE

By: [signature] Date: 12-05-11 Page 1 of 1.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO LIRIOS Date: 12 06 11

Weather: RAIN Temp: 54° Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

635 THE TECH ARRIVE TO JOB SITE AND GO TO SIGN IN
630 THE CONTRACTOR WORKERS ARE HERE THEY GO
TO SAFETY MEETING
THE TECH GO TO SET UP THE AIRY SAMPLING AND CHECK
THE CALIBRATION PUMPS
700 THE WORKERS GO TO SET UP THE AREAS BLDG 18 & BLDG. 15
BLDG 15 FINAL CLEAN UP AND THE BLDG 18 REMOVE THE TRANSITE
810 THE JOB STILL GOING
900 THE WORKERS START BACK AND GO TO TAKE BREAK
10.0 THEY COME BACK FROM BREAK AND RESUME THEIR JOB
11.0 THEY FINISH THE FINAL CLEAN UP THE TECH GO TO
CHECK THE AREA, THEY HAVE TO CLEAN UP SOME SPA
11.45 THE TECH START SET UP THE EQUIP TO DO
THE POST TEST
1215 THE POST TEST START THE CALIBRATION IS CHECK AT
10 LPM
1230 THE WORKERS BACK OUT AND GO TO TAKE LUNCH
BREAK
1330 THE WORKERS COME BACK FROM LUNCH AND RESUME THEIR
JOB NOW THE WORKERS FINISH REMOVE THE TRANSITE IN
BLDG. 18 AND THEY START THE FINAL CLEAN UP

By: Date: 12 06 11 Page 1 of 2.

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# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO LUNA Date: 12-06-11

Weather: RAIN Temp: 50° Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

THEY START IN THE TOP OF BUILDING AND CONTINUE DOWN.
1430 THE TECH GO TO COLLECT THE POST TEST SAMPLING AND CHECK THE CALIBRATION IN THE PUMPS. IS NOTICE THE WORKERS CONTINUE DO THE JOB. FINAL CLEAN UP AND PUT ALL MATERIAL IN THE CONTAINER
1530 THE JOB STILL GOING
1620 THE WORKERS CONTINUE DO THE FINAL CLEAN UP AND PUT THE ACM IN THE CONTAINER.
1640 THE TECH GO TO COLLECT THE DAILY SAMPLING
1700 THE WORKERS WRAPING THE AREA.
1705 DECON OUT AND GO HOME.

By: [signature] Date: 120611 Page 2 of 2.

64 Broad Street, Matawan, New Jersey 07747-2534
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

To: Teresa M. Royek, P.G. From: ROBERTO LANGE Date: 12 07 11

Weather: RAIN Temp: 58°F Wind:

Subject: SCCC, Inc., Kearny, NJ. Project No.: 2011-116
Bldg. 15, 17, 18 & 21 Asbestos Remediation Project

630 THE TECH ARRIVE TO JOB SITE. SIGN IN
650 THE CONTRACTOR WORKERS GO TO SAFETY MEETING THE TECH GO TO SETUP THE PERIMETER SAMPLING
715 THE WORKER GO TO SET UP THE AREA TO CONTINUE DO THE JOB.
815 THE JOB STILL GOING
930 THE WORKERS GO TO BREAK.
1000 THEY COME BACK FROM BREAK AND RESUME THEIR JOB.
1030 THEY OUT TO CHECK THE AREA
1040 I GO TO DO THE VISUAL. ALL IS OK I START SET UP THE EQUIP TO DO THE FINAL TEST.
11.15 THE POST TEST START THE CALIBRATION IS CHECK AT 10 LITTERS
12P THE WORKERS CONTINUE PICK UP THE EQUIP
1230 THEY GO TO LUNCH
1300 THE TECH GO TO COLLECT THE DATAS
1330 START PICK THE FINAL TEST BLDG #18 AND CHECK THE CALIBRATION PUMP'S
1400 THE TECH GO TO THE LAB

By: Date: 12-07-11 Page 1 of 1.

64 Broad Street, Matawan, New Jersey 07747-2534
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# ENVIRONMENTAL TACTICS, INC.

*Environmental Management and Control*

## Field Memorandum

| | | |
|---|---|---|
| To: Teresa M. Royek, P.G. | From: ROBERTO URIBE | Date: 12 08 11 |
| Weather: SUNNY | Temp: 36°F | Wind: |
| Subject: SCCC, Inc., Kearny, NJ. Bldg. 15, 17, 18 & 21 Asbestos Remediation Project | | Project No.: 2011-116 |

640 THE TECH ARRIVE TO JOBSITE. SIGN IN
600 THE TECH GO TO SET UP THE PERIMETER SAMPLING
AND CHECK THE CALIBRATION
THE WORKERS GO TO DO THE SAFETY MEETING
730 THE WORKERS CONTINUE DO PICK UP THE EQUIP
830 THEY START DO THE DEMO JOB.
930 THE WORKERS GO TO BREAK.
10.0 COME BACK FROM BREAK AND RESUME THEIR JOB.
1130 THEY TAKE BREAK FOR LUNCH
1230 THE TECH GO TO COLLECT THE SAMPLING IN THE
PERIMETER AND CHECK THE CALIBRATION 3 WH
130 LEAVE OFF THE SITE

By: [signature] Date: 12 08 11 Page 1 of 1.

64 Broad Street, Matawan, New Jersey 07747-2534
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

ENVIRONMENTAL TACTICS, INC.

# DAILY ATTENDANCE RECORD

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

**Environmental Tactics, Inc.**

64 Broad Street
Matawan, New Jersey 07747
Telephone: (732) 290-2217
Facsimile: (732) 290-2236

# Daily Attendance Record

IH Tech.: T. Geiger / R. Uribe

Month: October

Project Name: SCCC, Inc. (Bldg. 15, 17, 18 & 21)
Kearny, New Jersey

Project No.: 2011-116

Contractor: Precision Environmental Co. #01143

| Name | Certificate No. | Expiration Date | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JEFFREY SCHLENDER SR | 036325 | 04/18/12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | X | X | X | X | | X |
| LUIS GOMEZ | 031521 | 12/10/11 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | X | X | X | X | | X |
| ORLANDO RAMIREZ | 9869 | 08/09/12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | X | X | X | X | | X |
| HUGH WALSH | 036311 | 03/28/12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | X | X | X | X | | X |
| HARRY BEAM | 036307 | 03/28/12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | X | X | X | X | | X |
| IVAN BANOL | 031517 | 02/03/12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | X | X | X | X | | X |
| RICHARD MC COLLUM | 036313 | 03/28/12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | X | X | X | X | | X |
| MATTHEW RATTAI | 036310 | 03/28/12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | X | X | X | X | | X |
| | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | | | | | | |
| | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | | | | | | |
| | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | | | | | | |
| | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | | | | | | |
| | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | | | | | | |
| | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | | | | | | |
| | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | | | | | | |

**Environmental Tactics, Inc.**

64 Broad Street
Matawan, New Jersey 07747
Telephone: (732) 290-2217
Facsimile: (732) 290-2236

# Daily Attendance Record

IH Tech.: T. Geiger / R. Uribe

Month: November

Project Name: SCCC, Inc. (Bldg. 15, 17, 18 & 21)
Kearny, New Jersey

Project No.: 2011-116

Contractor: Precision Environmental Co. #01143

| Name | Certificate No. | Expiration Date | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JEFFREY SCHNEIDER SR | 036325 | 04/18/11 | X | X | X | | | | | X | X | X | X | X | | X | X | X | X | X | X | | X | X | | | | | | | X | X | |
| LUIS GOMEZ | 031521 | 12/10/11 | X | X | X | | | | | X | X | X | X | X | | X | X | X | X | X | X | | X | X | | | | | | | X | X | |
| ORLANDO RAMIREZ | 9869 | 08/09/11 | X | X | X | | | | | X | X | X | X | X | | X | X | X | X | X | X | | X | X | | | | | | | X | X | |
| HUGH J. WALSH | 036311 | 03/28/12 | X | X | X | | | | | X | X | X | X | X | | X | X | X | X | X | X | | X | X | | | | | | | X | X | |
| HARRY BEAN | 036307 | 03/28/12 | X | X | X | | | | | X | X | X | X | X | | X | X | X | X | X | X | | X | X | | | | | | | X | X | |
| IVAN BANDA | 031517 | 02/03/12 | X | X | X | | | | | X | X | X | X | X | | X | X | X | X | X | X | | X | X | | | | | | | X | X | |
| RICHARD L. McCOLLUM | 036313 | 03/28/12 | X | X | X | | | | | X | X | X | X | X | | X | X | X | X | X | X | | X | | | | | | | | X | X | |
| MATHEW RATTAI | 036310 | 03/28/12 | X | X | X | | | | | X | X | X | X | X | | X | X | X | X | X | X | | X | X | | | | | | | X | X | |
| EDGAR ABARCA | 032442 | 06/01/12 | X | X | X | | | | | X | X | X | X | X | | X | X | X | X | X | X | | X | X | | | | | | | X | X | |
| DANILO JORDAN | 031750 | 12/12/11 | | | | | | | | X | X | X | X | X | | X | X | X | X | X | X | | X | X | | | | | | | X | X | |
| JUAN RAMOS | 032567 | 08/04/12 | | | | | | | | X | X | X | X | X | | X | X | X | X | X | X | | X | X | | | | | | | X | X | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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**Environmental Tactics, Inc.**

64 Broad Street
Matawan, New Jersey 07747
Telephone: (732) 290-2217
Facsimile: (732) 290-2236

# Daily Attendance Record

IH Tech.: T. Geiger / R. Uribe

Month: ~~November~~ DECEMBER

Project Name: SCCC, Inc. (Bldg. 15, 17, 18 & 21)
Kearny, New Jersey

Project No.: 2011-116

Contractor: Precision Environmental Co. #01143

| Name | Certificate No. | Expiration Date | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JEFFREY SCHNEIDER SR | 036325 | 04/18/11 | X | X | X | | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| LUIS GOMEZ | 031521 | 12/10/11 | X | X | X | | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| ORLANDO RAMIREZ | 9869 | 08/09/12 | X | X | X | | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| HUGH J. WALSH | 036311 | 03/28/12 | X | X | X | | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| HARRY BEAM | 036307 | 03/28/12 | X | X | X | | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| IVAN BANOS | 031517 | 02/03/12 | X | X | X | | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| RICHARD K. MCCOLLUM | 036313 | 03/28/12 | X | X | X | | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| MATHEW RATTAI | 036310 | 03/28/12 | X | X | X | | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| EDGAR OBARGA | 032442 | 06/01/12 | X | X | X | | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| DANILO JORDAN | 031750 | 12/12/11 | X | X | X | | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| JUAN RAMOS | 032567 | 08/04/12 | X | X | X | | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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ENVIRONMENTAL TACTICS, INC.

# ASCM FIRM & AST DOCUMENTATION

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

State of New Jersey
DEPARTMENT OF COMMUNITY AFFAIRS
101 SOUTH BROAD STREET
PO BOX 816
TRENTON, NJ 08625-0816

CHRIS CHRISTIE
*Governor*

KIM GUADAGNO
*Lt. Governor*

LORI GRIFA
*Commissioner*

March 23, 2011

Environmental Tactics, Inc.
64 Broad Street
Matawan, NJ 07747

Dear Thomas Geiger:

This is to certify that the Department of Community Affairs has reauthorized your firm to act as an ASBESTOS SAFETY CONTROL MONITOR.

Your Asbestos Safety Control Monitor number is: **00045**

EFFECTIVE DATE: April 1, 2011

EXPIRATION DATE: March 31, 2012

Quarterly Fee statements must be sent to this Department no later than 30 days after the close of the quarter. If no payments are received during a quarter you must submit a zero statement to this Department.

**Please be aware that if you do not apply for reauthorization prior to your expiration date you will have to apply for an authorization.**

Sincerely,

Jim Amici
Asbestos/Lead Safety Unit

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NJ Department of Community Affairs
Division of Codes and Standards
Bureau of Code Services

This is to certify that

**Roberto Uribe**

has been certified as:

*Asbestos Safety Technician*

Certification # **01063**

Effective Date **2/1/2011**

Expiration Date **1/31/2013**

NJ Department of Community Affairs
Division of Codes and Standards
Bureau of Code Services

This is to certify that

**Thomas Geiger**

has been certified as:

*Asbestos Safety Technician*

Certification # **00839**

Effective Date **2/1/2011**

Expiration Date **1/31/2013**

# WASTE MANIFEST PAPERS

(Contractor to supply)

64 Broad Street, Matawan, New Jersey 07747
Phone: (732) 290-2217 - Fax: (732) 290-2236
Toll Free: 1-888-ENV-TACT

# Waste Shipment Records

**Standard Chlorine Chemical Company**
**Kearny, NJ**

| Date | Manifest | Container | Quantity | Facility Received Quantity | Scale ticket Tons | Material | Box Number | Disposal | COD |
|---|---|---|---|---|---|---|---|---|---|
| 11/29/2011 | 9172478 | | | | | dead manifest | | | |
| 11/29/2011 | 9172477 | 44 CF | 44 Y | 44 | N/A | Friable from B 18 | n/a | Y | Y |
| 12/1/2011 | 9172476 | 1 CM | 30 Y | 30 Y | | Transite from B 21,17,15 | 9957 | Y | Y |
| 12/1/2011 | 9172475 | 1 CM | 30 Y | 30 Y | | Transite from B 21,17,15 | 0028 | Y | Y |
| 12/2/2011 | 9172717 | 96 DM | 5280 Gal. | n/a | N/A | Sump Liquids from B 17,18 | n/a | Y | Y |
| 12/3/2011 | 9172718 | 21 DM/ 3 DF | 1320 Gal. | n/a | N/A | Sump Liquids from B 17,18 | n/a | Y | Y |
| 12/5/2011 | 9172730 | 1 CM | 30 Y | 30 Y | | Transite from B 21,17,15 | 0606 | Y | Y |
| 12/5/2011 | 9172731 | 44 CF | 44 Y | 44Y | N/A | Friable from B 18 | n/a | Y | Y |
| 12/16/2011 | BOL 51 | 1 CM | 30 Y | 30 Y | | Steel for Smelter | n/a | Y | Y |
| 12/16/2011 | BOL 52 | 1 CM | 30 Y | 30 Y | | Steel for Smelter | n/a | Y | Y |
| 12/17/2011 | BOL 53 | 1 CM | 30 Y | 30 Y | | Steel for Smelter | n/a | Y | Y |
| 12/17/2011 | BOL 54 | 1 CM | 30 Y | 30 Y | | Steel for Smelter | n/a | Y | Y |
| 12/19/2011 | BOL 71 | 1 CM | 30 Y | 30 Y | | Steel for Smelter | n/a | Y | Y |
| 12/19/2011 | BOL 91 | 1 CM | 30 Y | 30 Y | | Steel for Smelter | n/a | Y | Y |
| 12/21/2011 | 9172915 | 1 CM | 30 Y | 30 Y | | Transite from B 18 | 9538 | Y | Y |
| 12/21/2011 | 9172729 | 1 CM | 30 Y | 30 Y | | Transite from B 21,17,15 | ------ | Y | Y |
| 12/21/2011 | 9172728 | 1 CM | 30 Y | 30 Y | | Transite from B 21,17,15 | ------ | Y | Y |
| 12/21/2011 | 9172727 | | | | | dead manifest | | | |
| 12/22/2011 | 9172917 | 1 CM | 30 Y | 30 Y | | Transite Bldg 18 | 0324 | Y | Y |
| 12/22/2011 | 9172916 | 1 CM | 30 Y | 30 Y | | Transite from B 18 | 9922 | Y | Y |
| 12/23/2011 | 9172918 | 1 CM | 30 Y | 30 Y | | Transite Bldg 18 | 9923 | Y | Y |
| 12/23/2011 | 9172876 | 1 CM | 30 Y | 30 Y | 7.52 | Wood Bldgs 15/17 | 0527 | Y | Y |
| 12/23/2011 | 9172877 | 1 CM | 30 Y | 30 Y | 7.52 | Wood Bldgs 15/17 | 0186 | Y | Y |
| 1/3/2012 | BOL | 1 CM | 30 Y | 30 Y | | Steel for Smelter | n/a | Y | Y |
| 1/3/2012 | BOL | 1 CM | 30 Y | 30 Y | | Steel for Smelter | n/a | Y | Y |
| 1/4/2012 | 9172911 | 1 CM | 15 Y | 15 Y | 18.75 | Concrete Bldg 15,17,18 | 0509 | Y | Y |
| 1/4/2012 | 9172913 | 1 CM | 15 Y | 15 Y | 16.13 | Concrete Bldg 15,17,18 | 9676 | Y | Y |
| 1/4/2012 | 9172912 | 1 CM | 30Y | 30 Y | 19.47 | Concrete Bldg 15,17,18 | 0817 | Y | Y |
| 1/5/2012 | 9172881 | 1 CM | 30 Y | 30 Y | 10.48 | Wood Bldgs 15/17 | 9612 | Y | Y |
| 1/5/2012 | 9172907 | 1 CM | 15 Y | 15 Y | 19.14 | Concrete Bldg 15,17,18 | 9538 | Y | Y |
| 1/5/2012 | 9172906 | 1 CM | 15 Y | 15 Y | 16.72 | Concrete Bldg 15,17,18 | 9765 | Y | Y |
| 1/5/2012 | 9172909 | 1 CM | 15 Y | 15 Y | 17.03 | Concrete Bldg 15,17,18 | 0311 | Y | Y |
| 1/5/2012 | 9172908 | 1 CM | 15 y | 15 Y | 13.74 | Concrete Bldg 15,17,18 | 0403 | Y | Y |
| 1/6/2012 | 9172904 | 1 CM | 15 Y | 15 Y | 17.96 | Concrete Bldg 15,17,18 | 9956 | Y | Y |
| 1/6/2012 | 9172905 | 1 CM | 15 Y | 17 Y | 18.88 | Concrete Bldg 15,17,18 | 9922 | Y | Y |
| 1/7/2012 | BOL 25 | 1 CM | 30 Y | 30 Y | | Steel for Smelter | n/a | Y | Y |
| 1/9/2012 | 9172901 | 1 CM | 15 Y | 22 Y | 17.23 | Concrete Bldg 15,17,18 | 0030 | Y | Y |
| 1/9/2012 | 9172903 | 1 CM | 15 Y | 15 Y | 18.32 | Concrete Bldg 15,17,18 | 0323 | Y | Y |
| 1/10/2012 | 9172900 | 1 CM | 15 Y | 15 Y | 18.61 | Concrete Bldg 15,17,18 | 9550 | Y | Y |
| 1/10/2012 | 9172898 | 1 CM | 15 Y | 15 Y | 19.23 | Concrete Bldg 15,17,18 | 9439 | Y | Y |
| 1/10/2012 | 9172897 | 1 CM | 15 Y | 15 y | 21.4 | Concrete Bldg 15,17,18 | 9734 | Y | Y |
| 1/11/2012 | 9172892 | 1 CM | 15 Y | 15 Y | 20.87 | Concrete Bldg 15,17,18 | 0814 | Y | Y |
| 1/11/2012 | 9172725 | N/A | 10 Y | 10 Y | N/A | Friable from B 18 | n/a | Y | Y |
| 1/11/2012 | bol 11121 | 1 CM | 30 Y | 30 Y | | Steel for Smelter | n/a | Y | Y |
| 1/11/2012 | 9172896 | 1 CM | 15 Y | 15 Y | 20.44 | Concrete Bldg 15,17,18 | 9841 | Y | Y |
| 1/11/2012 | 9172893 | 1 CM | 15 Y | 15 Y | 19.57 | Concrete Bldg 15,17,18 | 9500 | Y | Y |
| 1/11/2012 | 9172895 | 1 CM | 15 Y | 15 Y | 20.22 | Concrete Bldg 15,17,18 | 9720 | Y | Y |
| 1/11/2012 | 9172894 | 1 CM | 15 Y | 15 Y | 20.64 | Concrete Bldg 15,17,18 | 9877 | Y | Y |
| 1/12/2011 | 9172890 | 1 CM | 15 Y | 15 Y | 19.62 | Concrete Bldg 15,17,18 | 9459 | Y | Y |
| 1/13/2012 | 9172888 | 1 CM | 15 Y | 15 Y | 20.61 | Concrete Bldg 15,17,18 | 9673 | Y | Y |
| 1/13/2012 | 9172887 | 1 CM | 15 Y | 15 Y | 19.52 | Concrete Bldg 15,17,18 | 0030 | Y | Y |
| 1/13/2012 | 9172886 | 1 CM | 15 Y | 20 Y | 20.56 | Concrete Bldg 15,17,18 | 1139 | Y | Y |
| 1/13/2012 | 9172889 | 1 CM | 15 Y | 15 Y | 20.62 | Concrete Bldg 15,17,18 | 9853 | Y | Y |
| 1/13/2012 | 9172885 | 1 CM | 15 Y | 15 Y | 20.73 | Concrete Bldg 15,17,18 | 0011 | Y | Y |
| 1/17/2012 | 9172878 | 1CM | 30Y | 30Y | 11.96 | Wood Bldgs 15/17 | 0029 | Y | Y |
| 1/18/2012 | 310574 | 1CM | 21.42 T | n/a | 21.42 | C+D Debris | | Y | Y |
| 1/18/2012 | 310536 | 1CM | 21.40 T | n/a | 21.4 | C+D Debris | | Y | Y |
| 1/18/2012 | 310491 | 1CM | 6.12 T | n/a | 6.12 | C+D Debris | | Y | Y |
| 1/18/2012 | 310667 | 1CM | 19.61T | n/a | 19.61 | C+D Debris | | Y | Y |
| 1/17/2012 | 9172884 | 1CM | 15Y | 15 y | 4.87 | Concrete Bldg 15,17,18 | 9534 | Y | Y |
| 1/17/2012 | 9172879 | 1CM | 30Y | 30Y | | Wood Bldgs 15/17 | 0074 | Y | Y |

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD002175057
2. Page 1 of 1
3. Emergency Response Phone: 440-937-5950
4. Manifest Tracking Number: 009172717 JJK

5. Generator's Name and Mailing Address
Standard Chlorine and Chemical Company
1025 Belleville Turnpike
Generator's Phone: KEARNY, NJ 07032 908-507-1525

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: ALLPRO FREIGHT 216-696-9490
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Michigan Disposal Waste Treatment Plant
49350 NORTH I-94 SERVICE DRIVE 800-592-5489
Facility's Phone: BELLVILLE, MI 48111
U.S. EPA ID Number: MID000724831

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON RCRA MATERIAL (BUILDINGS 17 & 18 SUMP CONTENTS) | 096 | CM | 5280 | KK gal | 0214 |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
DK119175MDT KK

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vannee Veena / For KEY - on behalf of SCCC
Signature: Vannee Veena For KEY on behalf of SCCC
Month 12 Day 02 Year 2011

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dregor Leavy B JMB
Signature:
Month 12 Day 02 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
OK to Change section 12, 13, 14 Per Michael Perry @ Chantron KK 12-5-11
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. LIW 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: David Tarnowski
Signature:
Month 12 Day 5 Year 11

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

**DESIGNATED FACILITY TO GENERATOR**

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172717 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: *(Please check one)*

☒ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: _____

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111



*The electronic version of this document is the controlled version. Each user is responsible for ensuring that any document being used is the current version.*

Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD002175057
2. Page 1 of 1
3. Emergency Response Phone: 440-937-5950
4. Manifest Tracking Number: 009172718 JJK

5. Generator's Name and Mailing Address
Standard Chlorine ~~and~~ Chemical Company
1025 Belleville Turnpike
Generator's Phone: KEARNY, NJ 07032 908-507-1525

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: ALLPRO FREIGHT 216-696-9490
U.S. EPA ID Number: ALLPRO

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Michigan Disposal Waste Treatment Plant
49350 NORTH I-94 SERVICE DRIVE 800-592-5489
Facility's Phone: BELLVILLE, MI 48111
U.S. EPA ID Number: MID000724831

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON RCRA MATERIAL (BUILDINGS 17 & 18 SUMP CONTENTS) | 21 | DM | 1155 | ~~Gal~~ KK | 0291 KK |
| | 2. NON HAZARDOUS NON RCRA MATERIAL (BUILDINGS 17 & 18 SUMP CONTENTS) | 03 | DF | 165 | ~~Gal~~ KK | 0291 KK |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
1) K119175MD1 KK
2) K119175MD1 KK

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera/Tom KEY on behalf of SCCC
Signature: [signature] on behalf of SCCC
Month 12 Day 03 Year 2011

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: TL TRANSPORT LLC
Signature: PAUL MARASINYK
Month 12 Day 3 Year 11
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Section 12 + 13
OK to add approval #'s to section 14 per Michael Perry @ Chem Tech KK 12-5-11
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. LIW 2. LIW 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Josh Heath
Signature: [signature]
Month 12 Day 05 Year 11

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172718 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME:
*(Please check one)*

☒ Michigan Disposal Waste Treatment Plant
(EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc.
(EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: _____

894

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD0002175057
2. Page 1 of 1
3. Emergency Response Phone: 440-937-5950
4. Manifest Tracking Number: 009172876 JJK

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525

Generator's Site Address (if different than mailing address): Same

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001
U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Michigan Disposal Waste Treatment Plant
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489
U.S. EPA ID Number: MID000724831

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. "RQ", NA3077, Hazardous Waste, solid, n.o.s. (CHROME) 9, III (D007) | 001 | CM | 30 | Y | D007 |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
Approval #L119051MDI ERG #171 Box # 0527

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vanessa Veera for KEY or behalf of SCCC
Signature: Vanessa Veera for KEY or behalf of SCCC
Month 12 Day 23 Year 2011

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: MARC SNYDER
Signature: [signature]
Month 12 Day 23 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. Hill 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Charles Sugge
Signature: [signature]
Month 12 Day 23 Year 11

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172876 JK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: *(Please check one)*

☒ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: _____

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111



*The electronic version of this document is the controlled version. Each user is responsible for ensuring that any document being used is the current version.*

894

Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD0002175057
2. Page 1 of 1
3. Emergency Response Phone: 440-937-5950
4. Manifest Tracking Number: 009172877 JJK

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525

Generator's Site Address (if different than mailing address): Same

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 — U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Michigan Disposal Waste Treatment Plant
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489 — U.S. EPA ID Number: MID000724831

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes | | |
|---|---|---|---|---|---|---|---|---|
| X | 1. "RQ", NA3077, Hazardous Waste, solid, n.o.s. (CHROME), 9, III (D007) | 001 | CM | 30 | Y | D007 | | |
| | 2. | | | | | | | |
| | 3. | | | | | | | |
| | 4. | | | | | | | |

14. Special Handling Instructions and Additional Information
Approval #L119051MDI ERG #171 Box # 0816

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera / for KEY - on behalf of SCCC — Signature: Vamsee Veera for KEY - on behalf of SCCC — Month 12 Day 23 Year 2011

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: MARC SNYDER — Signature: [signature] — Month 12 Day 23 Year 11
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H111 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Charles Swope — Signature: [signature] — Month 12 Day 27 Year 11

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

DESIGNATED FACILITY TO GENERATOR

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172877 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME:
*(Please check one)*

☒ Michigan Disposal Waste Treatment Plant
(EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc.
(EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: _____

894

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD002175057
2. Page 1 of 1
3. Emergency Response Phone: 440-937-5950
4. Manifest Tracking Number: 009172881 JJK

**GENERATOR**

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1325
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001
U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Michigan Disposal Waste Treatment Plant
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489
U.S. EPA ID Number: MID000724831

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. "RQ", NA3077, Hazardous Waste, solid, n.o.s. (CHROME), 9, III (D007) | 001 | CM | 030 | Y | D007 |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
Approval # L119051MDI ERG # 171
Box # 9612

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veena / for KEY on behalf of SCCC
Signature: Vamsee Veena for KEY on behalf of SCCC
Month 01 Day 05 Year 2012

**INT'L**

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: MARC SNYDER
Signature: [signature]
Month 1 Day 5 Year 12
Transporter 2 Printed/Typed Name
Signature
Month Day Year

**DESIGNATED FACILITY**

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H111 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: David Tornali
Signature: [signature]
Month 1 Day 6 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

**DESIGNATED FACILITY TO GENERATOR**

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 00 9172881 JK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: *(Please check one)*

☒ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: _____

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD002175057
2. Page 1 of: 1
3. Emergency Response Phone: 440-937-5950
4. Manifest Tracking Number: 009172879 JJK

GENERATOR

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001
U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Michigan Disposal Waste Treatment Plant
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489
U.S. EPA ID Number: MID000724831

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes | | |
|---|---|---|---|---|---|---|---|---|
| X | 1. "RQ", NA3077, Hazardous Waste, solid, n.o.s. (CHROME), 9, III (D007) | 001 | CM | 030 | Y | D007 | | |
| | 2. | | | | | | | |
| | 3. | | | | | | | |
| | 4. | | | | | | | |

14. Special Handling Instructions and Additional Information
Approval # LIMOSIMDI ERG #171 NJDEP S-2265
Box # 0074 Decal # 01872

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: JASON PIRRETT ON BEHALF OF SCCC
Signature: on behalf of SCCC
Month 1 Day 17 Year 12

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Chester Sobolewski
Signature
Month Day Year
Transporter 2 Printed/Typed Name
Signature
Month 1 Day 17 Year 12

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H111 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Charles Swope
Signature
Month 2 Day 3 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

**DESIGNATED FACILITY TO GENERATOR**

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172879 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: *(Please check one)*

☑ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: Mark Weeks

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD002175057
2. Page 1 of: 1
3. Emergency Response Phone: 440-937-5950
4. Manifest Tracking Number: 009172896 JJK

**GENERATOR**

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001
U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: Wayne Disposal
~~Michigan Disposal Waste Treatment Plant~~
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489
U.S. EPA ID Number: MID048090633 ~~MID000724831~~ MI

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
9b) Approval # K119161 WDI
Box# 9847

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vanessa Veera for VEY - on behalf of SCCC
Signature: Vanessa Veera for VEY - on behalf of SCCC
Month 01 Day 11 Year 2012

**INT'L**

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Alan K. Bossick
Signature: Alan K. Bossick
Month 01 Day 11 Year 12
Transporter 2 Printed/Typed Name
Signature
Month Day Year

**DESIGNATED FACILITY**

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. none 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: David Tarnecki
Signature
Month 1 Day 25 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

**DESIGNATED FACILITY TO GENERATOR**

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172896 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME:
*(Please check one)*

☐ Michigan Disposal Waste Treatment Plant
(EPA I.D. # MID000724831)

☒ Wayne Disposal, Inc.
(EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: _____

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111



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Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD002175057
2. Page 1 of 1
3. Emergency Response Phone: 440-937-5950
4. Manifest Tracking Number: 009172911 JJK

**GENERATOR**

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001
U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC ~~Michigan Disposal Waste Treatment Plant~~
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489
U.S. EPA ID Number: MID048090633 ~~MID000724831~~

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | none |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
961) Approval # K119161WDI BOX # 0509

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Yenna for KEY - on behalf of SCCC
Signature: [signature] for KEY - on behalf of SCCC
Month 01 Day 04 Year 2012

**INT'L**

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Alfred Davis
Signature: [signature]
Month 1 Day 4 Year 12
Transporter 2 Printed/Typed Name
Signature
Month Day Year

**DESIGNATED FACILITY**

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Corrected section 8 per Michael Perry @ Chemtron - TC 1/5/12
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. NONE 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [signature]
Signature: [signature]
Month 1 Day 5 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

**DESIGNATED FACILITY TO GENERATOR**

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172911 5JK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME:
*(Please check one)*

☐ Michigan Disposal Waste Treatment Plant
(EPA I.D. # MID000724831)

☒ Wayne Disposal, Inc.
(EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: _____

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111



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print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | NJD0002175057 | 1 | 440-937-5950 | 009172912 JJK |

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001
U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Wayne [redacted] Disposal [redacted]
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489
U.S. EPA ID Number: MID048090633 ~~[illegible]~~

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
9b1) Approval # K119161WDI

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vannee Veera/For KEY - on behalf of SCCC
Signature: Vannee Veera For KEY - on behalf of SCCC
Month 01 Day 04 Year 2012

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Brian Pancoast
Signature:
Month 1 Day 4 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
ok to change Facility per Mike Perry w/ Chemtron 1-6-12
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. none 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: David Tarnacki
Signature:
Month 1 Day 6 Year 12

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172912JK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: *(Please check one)*

☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature:

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111



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Receipt ID: 496276
Manifest: 009172878JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/18/2012
Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164
Truck: 888
CHEMTRON CORPORATION

Sched.: 01/18/2012 19:10
TOS: 01/18/2012 17:39

Status: Submitted
Conf#: 356712
- 01/18/2012 18:59
Acct Type: EQ Account

Receipt Line: 496276-1

Transaction Approval / Product
Total #Cont: 1

Approval L119051MDI
Waste: D007 Building 15, 17, 18, & 21 Wood
Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO.
Manifest Unit: Y YARD
Treatment: 1420 CMet Sol-Micro Std-Sub C
Manifest Qty: 30.000
Bill Unit: YARD
Gross: 65,560
Treat Mgt: H111
Man.Cont.Code: CM
Quantity: 30.000
Tare: 41,640
Generic: No
Man.Haz.Class: 9
Lab: Accepted
#Cont: 1 Bulk
Net: 23,920
DDVOC: 0.00
Line: A

Location:
TSDF Approval:
Billing Project: 0 Standard Customer Billing
Terr: 10
PO: CH14536MP
Rel:
GL Account: 40121-02-00-320
PO Amt:

Transporter Comm:

Special Handling Instructions:

Date Added: 01/18/2012 05:39 PM By: JOSH_H
Date Modified: 01/18/2012 06:59 PM By: JOSH_H

WASTE CODES
D007

009172878JJK

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Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | NJD0002175057 | 1 | 440-937-5950 | 009172878 JJK |

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-587-1525

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
FREEHOLD CARTAGE, INC. 732-462-1001 U.S. EPA ID Number NJD054126164

7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address
Michigan Disposal Waste Treatment Plant
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489 U.S. EPA ID Number MID000724831

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes | | |
|---|---|---|---|---|---|---|---|---|
| X | 1. "RQ", NA3077, Hazardous Waste, solid, n.o.s. (CHROME), 9, III (D007) | 001 | CM | 030 | Y | D007 | | |
| | 2. | | | | | | | |
| | 3. | | | | | | | |
| | 4. | | | | | | | |

14. Special Handling Instructions and Additional Information
Approval • L1195 MOI ERG #171
Box # 0029 Decal # 02516

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: JASON PERETTI on BEHALF of SCCC Signature: [signature] on BEHALF of SCCC Month 1 Day 17 Year 12

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Chester Sobolewski Signature: [signature] Month 01 Day 17 Year 12
Transporter 2 Printed/Typed Name: Signature: Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. [signature] 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [signature] Signature: [signature] Month 01 Day 18 Year 12

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 60917278 78 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

| | | |
|---|---|---|
| FACILITY NAME: *(Please check one)* | ☒ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) | ☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633) |
| ADDRESS: | 49350 N. I-94 Service Drive<br>Belleville, Michigan 48111 | |
| PHONE NUMBER: | 1-800-592-5489 | |
| FAX NUMBER: | 1-800-593-5329 | |

Authorized Signature: _____

009172887JJK

894

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NJD[illegible]002175057

2. Page 1 of 1

3. Emergency Response Phone: 440-937-5950

4. Manifest Tracking Number: 009172887 JJK

5. Generator's Name and Mailing Address:
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032

Generator's Site Address (if different than mailing address):

Generator's Phone: 908-507-1525

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Wayne Disposal ~~Michigan Disposal Waste Treatment Plant~~ MI.
~~49350~~ NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111

Facility's Phone: 800-592-5489 U.S. EPA ID Number: MID048090633 ~~MID000724831~~ MI.

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
9b1) Approval # K119161 WDI
Box # 0030

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Venna/for KEY - on behalf of SCCC
Signature: Vamsee Venna for KEY - on behalf of SCCC
Month 01 Day 13 Year 2012

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: MARC SNYDER
Signature: [signature]
Month 1 Day 13 Year 12

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. None 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Charles Swan
Signature: [signature]
Month 1 Day 16 Year 12

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172887 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

| | | |
|---|---|---|
| FACILITY NAME: *(Please check one)* | ☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) | ☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633) |
| ADDRESS: | 49350 N. I-94 Service Drive<br>Belleville, Michigan 48111 | |
| PHONE NUMBER: | 1-800-592-5489 | |
| FAX NUMBER: | 1-800-593-5329 | |

Authorized Signature: [signature]

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

Form # REC-FM-020-REL

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2/22/11

009172889JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number NJD002175057 | 2. Page 1 of 1 | 3. Emergency Response Phone 440-937-5950 | 4. Manifest Tracking Number 009172889 JJK |
|---|---|---|---|---|

5. Generator's Name and Mailing Address
Rhone-Poulenc Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
908-507-1525

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. — 732-462-1001 — U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Wayne Disposal
~~Wayne Disposal Wayne Disposal Wayne~~ MI
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
800-592-5489

U.S. EPA ID Number: MID048090633 ~~MIED007284831~~ MI

Facility's Phone:

| Item No. | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes | | |
|---|---|---|---|---|---|---|---|---|
| 1. | NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | NONE | | |
| 2. | | | | | | | | |
| 3. | | | | | | | | |
| 4. | | | | | | | | |

14. Special Handling Instructions and Additional Information
961 Approval # KIMIGIWOT
Box # 9453

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator/Offeror's Printed/Typed Name: Tamsen Vierra for KEY - on behalf of SCCC — Signature: Tamsen Vierra for KEY - on behalf of SCCC — Month 01 Day 13 Year 2012

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit: — Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Burns — Signature: Bill Burns — Month 01 Day 13 Year 12
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. NONE 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jose Hart — Signature — Month 01 Day 16 Year 12

GENERATOR — INTL — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

COD #2

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172889JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

| | | |
|---|---|---|
| FACILITY NAME: *(Please check one)* | ☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) | ☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633) |
| ADDRESS: | 49350 N. I-94 Service Drive<br>Belleville, Michigan 48111 | |
| PHONE NUMBER: | 1-800-592-5489 | |
| FAX NUMBER: | 1-800-593-5329 | |

Authorized Signature: _____

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

009172895JJK

#901

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | NJD0002175057 | 1 | 440-937-5950 | 009172895 JJK |

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
FREEHOLD CARTAGE, INC. 732-462-1001
U.S. EPA ID Number NJD054126164

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
~~Michigan Disposal Waste Treatment Plant~~ Wayne Disposal MI
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489
U.S. EPA ID Number MID048090633 ~~MID000724831~~ MI

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
9b1) Approval # K119161WOI
Box # 9720

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vanessa Veena for DEY - on behalf of SCCC
Signature: Vanessa Veena for DEY - on behalf SCCC
Month 01 Day 11 Year 2012

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Burns
Signature: Bill Burns
Month 01 Day 11 Year 12
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. none 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Tanya Cowgar
Signature
Month 06 Day 16 Year 12

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #1

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172895JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

| | | |
|---|---|---|
| FACILITY NAME: *(Please check one)* | ☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) | ☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633) |
| ADDRESS: | 49350 N. I-94 Service Drive<br>Belleville, Michigan 48111 | |
| PHONE NUMBER: | 1-800-592-5489 | |
| FAX NUMBER: | 1-800-593-5329 | |

Authorized Signature: _____

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

009172898JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number: NJD0002175057 | 2. Page 1 of 1 | 3. Emergency Response Phone: 440-937-5950 | 4. Manifest Tracking Number: 009172898 JJK |
|---|---|---|---|---|

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525
Generator's Site Address (if different than mailing address):

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Wayne Disposal
~~Michigan Disposal Waste Treatment Plant~~
~~49350 NORTH I-94 SERVICE DRIVE~~
BELLEVILLE, MI 48111
Facility's Phone: 808-592-5489
U.S. EPA ID Number: MID048090633 ~~MID000724831~~

| 9a. HM | 9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
961) Approval # K119161 WDI
Box # 9439

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.
Generator's/Offeror's Printed/Typed Name: Vamsee Veera / for KEY - on behalf of SCCC
Signature: Vamsee Veera for KEY - on behalf of SCCC
Month 01 Day 10 Year 2012

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Ronnie Schlechtweg
Signature: [signature]
Month 01 Day 10 Year 2012
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. None. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Josh [signature]
Signature: [signature]
Month 01 Day 11 Year 12

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172898 JJC

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

| | | |
|---|---|---|
| FACILITY NAME: *(Please check one)* | ☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) | ☒ Wayne Disposal, Inc. (EPA I.D. # MID048094633) |
| ADDRESS: | 49350 N. I-94 Service Drive<br>Belleville, Michigan 48111 | |
| PHONE NUMBER: | 1-800-592-5489 | |
| FAX NUMBER: | 1-800-593-5329 | |

Authorized Signature: _____

009172908JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD002175057
2. Page 1 of: 1
3. Emergency Response Phone: 440-937-5950
4. Manifest Tracking Number: 009172908 JJK

5. Generator's Name and Mailing Address: Standard Chlorine Chemical Company, 1005 BELLEVILLE TURNPIKE, KEARNY, NJ 07032

Generator's Site Address (if different than mailing address):

Generator's Phone: 908-507-1325

6. Transporter 1 Company Name: FERROLD CARTAGE, INC. — 732-462-1001 — U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Wayne Disposal, 49350 NORTH I-94 SERVICE DRIVE, BELLEVILLE, MI 48111 — U.S. EPA ID Number: MID048090633

Facility's Phone: 800-592-5489

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information

Approval # K119161 WDI

Box # 0403

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veeta / for KEY - on behalf of SCCC — Signature: Vamsee Veeta / for KEY - on behalf of SCCC — Month 01 Day 05 Year 2012

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit:

Transporter signature (for exports only): — Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Burns — Signature: Bill Burns — Month 01 Day 05 Year 12

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator): — U.S. EPA ID Number:

Facility's Phone:

18c. Signature of Alternate Facility (or Generator): — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. None 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Josh Heath — Signature: [signature] — Month 01 Day 13 Year 12

GENERATOR — INTL — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172908 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

| | | |
|---|---|---|
| FACILITY NAME: *(Please check one)* | ☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) | ☑ Wayne Disposal, Inc. (EPA I.D. # MID048090633) |
| ADDRESS: | 49350 N. I-94 Service Drive<br>Belleville, Michigan 48111 | |
| PHONE NUMBER: | 1-800-592-5489 | |
| FAX NUMBER: | 1-800-593-5329 | |

Authorized Signature: _____

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111



The electronic version of this document is the controlled version. Each user is responsible for ensuring that any document being used is the current version.

009172911JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number: NJD0002175057 | 2. Page 1 of 1 | 3. Emergency Response Phone: 440-937-5950 | 4. Manifest Tracking Number: 009172911 JJK |
|---|---|---|---|---|

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1825 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 — U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
[illegible] DISPOSAL, INC
[illegible] NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489
U.S. EPA ID Number: MID048090633 ~~MID000724831~~

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | none |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
961) Approval # K119161WDI BOX # 0509

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vanessa Veeria/for KEY - on behalf of SCCC — Signature: Vanessa Veeria for KEY - on behalf of SCCC — Month 01 Day 04 Year 2012

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Alfred Davis — Signature: [signature] — Month 1 Day 4 Year 12
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
corrected section 8 per Michael Perry @ chemtron - TC 1/5/12

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. none. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [signature] — Signature: [signature] — Month 1 Day 5 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172911 5JK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

| | | |
|---|---|---|
| FACILITY NAME: *(Please check one)* | ☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) | ☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633) |
| ADDRESS: | 49350 N. I-94 Service Drive<br>Belleville, Michigan 48111 | |
| PHONE NUMBER: | 1-800-592-5489 | |
| FAX NUMBER: | 1-800-593-5329 | |

Authorized Signature: _____

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

009172912JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | NJD0002175057 | 1 | 440-937-5950 | 009172912 JJK |

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032

Generator's Site Address (if different than mailing address)

Generator's Phone: 908-507-1525

6. Transporter 1 Company Name
FIREHOLD CARTAGE, INC. 732-462-1001 U.S. EPA ID Number NJD054126164

7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address
Wayne - [redacted]
[redacted] NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111

Facility's Phone: 800-592-5489 U.S. EPA ID Number MID048090633 [redacted]

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
961) Approval # K119161 WDI

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vanessa Veena/for KEY - on behalf of SCCC
Signature: Vanessa Veena for KEY - on behalf of SCCC
Month 01 Day 04 Year 2012

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Brian Pancoast
Signature: [signature]
Month 1 Day 4 Year 11
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
ok to change Facility per Mike Perry w/ Chemtron [initials] 1-6-12
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. none 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: David Tarnacki
Signature: [signature]
Month 1 Day 6 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172912JK have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.*

| | | |
|---|---|---|
| FACILITY NAME: *(Please check one)* | ☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) | ☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633) |
| ADDRESS: | 49350 N. I-94 Service Drive<br>Belleville, Michigan 48111 | |
| PHONE NUMBER: | 1-800-592-5489 | |
| FAX NUMBER: | 1-800-593-5329 | |

Authorized Signature: _____

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD002175057
2. Page 1 of 1
3. Emergency Response Phone: 440-336-2018
4. Manifest Tracking Number: 009172475 JJK

5. Generator's Name and Mailing Address
STANDARD CHLORINE & CHEMICAL
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001
U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO
876 OTTER CREEK ROAD
OREGON, OH 42616
Facility's Phone: 800-537-0426
U.S. EPA ID Number: OHD045243705

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. NA2212, ASBESTOS, 9, III | 001 | CM | 30 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
9B1) WSID # [illegible] ERG #171 CH14535MP Box # 0028
13540

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vanessa Vieira for KEY - on behalf of SCCC.
Signature: Vanessa Vieira for KEY - on behalf of SCCC
Month 12 Day 01 Year 2011

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Alfred Davis
Signature: Alfred Davis
Month 12 Day 01 Year 11
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Rob Sobecki
Signature
Month 12 Day 14 Year 11

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

**DESIGNATED FACILITY TO GENERATOR**

ESOI/Envirosafe Services of Ohio, Inc.
Associated Chemical and Environmental Services, Inc.
878 Otter Creek Rd.
Oregon, Ohio 43616-1200

USEPA ID OHD045243706
Ohio EPA 03-48-0092

# Certificate of Disposal

**PART A** --Generator Information

Generator Name STANDARD CHLORINE CHEMICAL CO INC

Generator USEPA ID # NJD002175057

Manifest Document No. 009172475JJK

**PART B** --Waste Disposal Information

| Profile | Document | Disposal Date | Disposal Method | Container No. & Type | Weight |
|---|---|---|---|---|---|
| 13540 | A11214006 | 12.14.11 | D080 | 1 CM | 18150 |

Disposal Method = D080 - Landfill; T04 - Treatment

Container Types = DR - Drum; TR - Truck; CT - Cargo Tanker; VT - Vacuum Tanker; RO - Rolloff; CM - Container Metal

I certify receipt and disposal of the above identified wastes at this facility. I certify that the above described wastes were disposed according to all applicable state & federal requirements imposed by the generator.

SIGNATURE _____ DATE 12.14.11

TITLE SCALEMASTER

C:\Documents and Settings\l.humphrey\My Documents\oh_cert_disp.rpt

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD002175057
2. Page 1 of 1
3. Emergency Response Phone: 440-336-2018
4. Manifest Tracking Number: 009172476 JJK

5. Generator's Name and Mailing Address
STANDARD CHLORINE & CHEMICAL
1025 BELLEVILLE TURNPIKE
KEARNY,NJ 07032
Generator's Phone: 908-507-1525

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC — 732-462-1001 — U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO
876 OTTER CREEK ROAD
OREGON,OH 42616
Facility's Phone: 800-537-0426 — U.S. EPA ID Number: OHD045243706

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. NA2212, ASBESTOS, 9, III | 001 | CM | 30 | Y | |
| | 2. | | | | | |
| | 3. [illegible] | | CM | #yes | Y | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
9B1) WSID # ~~[illegible]~~ 13540 BD ERG # 171 CH14536MP Box # 9957

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera/for KEY - on behalf of SCCC. — Signature: [signature] for KEY - on behalf of SCCC — Month 12 Day 01 Year 2011

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Alfred Davis — Signature: [signature] — Month 12 Day 01 Year 11
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Bob Sobacki — Signature: [signature] — Month 12 Day 14 Year 11

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

**DESIGNATED FACILITY TO GENERATOR**

ESOI/Envirosafe Services of Ohio, Inc.
Associated Chemical and Environmental Services, Inc.
878 Otter Creek Rd.
Oregon, Ohio 43616-1200

USEPA ID OHD045243706
Ohio EPA 03-48-0092

# Certificate of Disposal

**PART A** --Generator Information

Generator Name STANDARD CHLORINE CHEMICAL CO INC

Generator USEPA ID # NJD002175057

Manifest Document No. 009172476JJK

**PART B** --Waste Disposal Information

| Profile | Document | Disposal Date | Disposal Method | Container No. & Type | | Weight |
|---|---|---|---|---|---|---|
| 13540 | A11214005 | 12.14.11 | D080 | 1 | CM | 18180 |

Disposal Method = D080 - Landfill; T04 - Treatment

Container Types = DR - Drum; TR - Truck; CT - Cargo Tanker; VT - Vacuum Tanker; RO - Rolloff; CM - Container Metal

I certify receipt and disposal of the above identified wastes at this facility. I certify that the above described wastes were disposed according to all applicable state & federal requirements imposed by the generator.

SIGNATURE _____ DATE 12.14.11

TITLE SCALEMASTER

C:\Documents and Settings\l.humphrey\My Documents\oh_cert_disp.rpt

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD002175057
2. Page 1 of 1
3. Emergency Response Phone: 440-336-2018
4. Manifest Tracking Number: 009172477 JJK

5. Generator's Name and Mailing Address
STANDARD CHLORINE & CHEMICAL
1025 BELLEVILLE TURNPIKE
KEARNY,NJ 07032
Generator's Phone: 908-507-1525
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001
U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO
876 OTTER CREEK ROAD
OREGON,OH 42616
Facility's Phone: 800-537-0426
U.S. EPA ID Number: OHD045243706

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. NA2212, ASBESTOS, 9 , III | 44 | CF | 44 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
9B1) WSID #13541 ERG #171 CH14536MP
26360

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera/KEY - on behalf of Standard Chlorine
Signature: Vamsee Veera for KEY on behalf of SCCC
Month 11 Day 29 Year 2011

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Brian Kohut
Signature:
Month 11 Day 29 Year 11
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Bob Sobecki
Signature:
Month 11 Day 30 Year 11

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

**DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)**

ESOI/Envirosafe Services of Ohio, Inc.
Associated Chemical and Environmental Services, Inc.
878 Otter Creek Rd.
Oregon, Ohio 43616-1200

USEPA ID OHD045243706
Ohio EPA 03-48-0092

# Certificate of Disposal

**PART A** --Generator Information

Generator Name STANDARD CHLORINE CHEMICAL CO INC

Generator USEPA ID # NJD002175057

Manifest Document No. 009172477JJK

**PART B** --Waste Disposal Information

| Profile | Document | Disposal Date | Disposal Method | Container No. & Type | | Weight |
|---|---|---|---|---|---|---|
| 13541 | A11130011 | 12.12.11 | D080 | 44 | CF | 26360 |

Disposal Method = D080 - Landfill; T04 - Treatment

Container Types = DR - Drum; TR - Truck; CT - Cargo Tanker; VT - Vacuum Tanker; RO - Rolloff; CM - Container Metal

I certify receipt and disposal of the above identified wastes at this facility. I certify that the above described wastes were disposed according to all applicable state & federal requirements imposed by the generator.

SIGNATURE _____ DATE 12.12.11

TITLE _____

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Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD002175057
2. Page 1 of 1
3. Emergency Response Phone: 440-937-5950
4. Manifest Tracking Number: 009172717 JJK

5. Generator's Name and Mailing Address
Standard Chlorine and Chemical Company
1025 Belleville Turnpike
Generator's Phone: KEARNY, NJ 07032 908-507-1525

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: ALLPRO FREIGHT 216-696-9490
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Michigan Disposal Waste Treatment Plant
49350 NORTH I-94 SERVICE DRIVE 800-592-5489
Facility's Phone: BELLVILLE, MI 48111
U.S. EPA ID Number: MID000724831

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON RCRA MATERIAL (BUILDINGS 17 & 18 SUMP CONTENTS) | 096 | CM | 5280 | KK gal | 0214 |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
DK119175MDT KK

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vannee Veena / For KEY - on behalf of SCCC
Signature: Vannee Veena For KEY on behalf of SCCC
Month 12 Day 02 Year 2011

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dregor Leavy B JMB
Signature:
Month 12 Day 02 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
OK to Change section 12, 13, 14 Per Michael Perry @ Chantron KK 12-5-11
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. LIW 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: David Tarnowski
Signature:
Month 12 Day 5 Year 11

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

**DESIGNATED FACILITY TO GENERATOR**

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172717 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: *(Please check one)*

☒ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: _____

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111



*The electronic version of this document is the controlled version. Each user is responsible for ensuring that any document being used is the current version.*

Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD002175057
2. Page 1 of 1
3. Emergency Response Phone: 440-937-5950
4. Manifest Tracking Number: 009172718 JJK

5. Generator's Name and Mailing Address
Standard Chlorine ~~and~~ Chemical Company
1025 Belleville Turnpike
Generator's Phone: KEARNY, NJ 07032 908-507-1525

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: ALLPRO FREIGHT 216-696-9490
U.S. EPA ID Number: ALLPRO

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Michigan Disposal Waste Treatment Plant
49350 NORTH I-94 SERVICE DRIVE 800-592-5489
Facility's Phone: BELLVILLE, MI 48111
U.S. EPA ID Number: MID000724831

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON RCRA MATERIAL (BUILDINGS 17 & 18 SUMP CONTENTS) | 21 | DM | 1155 | ~~Gal~~ KK | 0291 KK |
| | 2. NON HAZARDOUS NON RCRA MATERIAL (BUILDINGS 17 & 18 SUMP CONTENTS) | 03 | DF | 165 | ~~Gal~~ KK | 0291 KK |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
1) K119175MD1 KK
2) K119175MD1 KK

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera/Tom KEY on behalf of SCCC
Signature: [signature] on behalf of SCCC
Month 12 Day 03 Year 2011

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: TL TRANSPORT LLC
Signature: PAUL MARASINYK
Month 12 Day 3 Year 11
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Section 12 + 13
OK to add approval #'s to section 14 per Michael Perry @ Chem Tech KK 12-5-11
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. LIW 2. LIW 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Josh Heath
Signature: [signature]
Month 12 Day 05 Year 11

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172718 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME:
*(Please check one)*

☒ Michigan Disposal Waste Treatment Plant
(EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc.
(EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: _____

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD002175057
2. Page 1 of 1
3. Emergency Response Phone: 440-937-5950
4. Manifest Tracking Number: 009172725 JJK

GENERATOR

5. Generator's Name and Mailing Address
Standard Chlorine and Chemical Company
1025 Belleville Turnpike
KEARNY, NJ 07032
Generator's Phone: 908-507-1525

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE INC. 732-462-1001
U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO
876 OTTER CREEK RD
OREGON, OH 43616
Facility's Phone: 800-537-0426
U.S. EPA ID Number: OHD045243706

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. NA2212, ASBESTOS, 9, III | 010 | CF | 010 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
WSID# 13541 ERG# 171 CH14536MP
4600

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera for KEY - on behalf of SCCC
Signature: Vamsee Veera for KEY - on behalf of SCCC
Month 01 Day 11 Year 2012

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bruce Guerrieri
Signature:
Month 01 Day 11 Year 12
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Bob Jobeck
Signature:
Month 01 Day 12 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD002175057
2. Page 1 of 1
3. Emergency Response Phone: 440-937-5950
4. Manifest Tracking Number: 009172728 JJK

GENERATOR

5. Generator's Name and Mailing Address
Standard Chlorine and Chemical Company
1025 Belleville Turnpike
KEARNY, NJ 07032
Generator's Phone: 908-507-1525

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE INC. 732-462-1001
U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO
876 OTTER CREEK RD
OREGON, OH 43616
Facility's Phone: 800-537-0426
U.S. EPA ID Number: OHD045243705

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. NA2212, ASBESTOS, 9, III | 001 | CM | 30 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
WSID# ~~13541~~ 13540 BD ERG# 171 CH14536MP 9914 14800

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera/for KEY- on behalf of SCCC
Signature: Vamsee Veera for KEY- on behalf of SCCC
Month 12 Day 03 Year 2011

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: John P Randolph
Signature
Month 12 Day 03 Year 11
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H-132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: JERRY LICKLE
Signature
Month 12 Day 21 Year 11

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

**DESIGNATED FACILITY TO GENERATOR**

ESOI/Envirosafe Services of Ohio, Inc.
Associated Chemical and Environmental Services, Inc.
878 Otter Creek Rd.
Oregon, Ohio 43616-1200

USEPA ID OHD045243706
Ohio EPA 03-48-0092

# Certificate of Disposal

**PART A** --Generator Information

Generator Name STANDARD CHLORINE CHEMICAL CO INC

Generator USEPA ID # NJD002175057

Manifest Document No. 00912728JJK

**PART B** --Waste Disposal Information

| Profile | Document | Disposal Date | Disposal Method | Container No. & Type | | Weight |
|---|---|---|---|---|---|---|
| 13540 | A11222015 | 12-22-11 | D080 | 1 | CM | 14800 |

Disposal Method = D080 - Landfill; T04 - Treatment

Container Types = DR - Drum; TR - Truck; CT - Cargo Tanker; VT - Vacuum Tanker; RO - Rolloff; CM - Container Metal

I certify receipt and disposal of the above identified wastes at this facility. I certify that the above described wastes were disposed according to all applicable state & federal requirements imposed by the generator.

SIGNATURE _____ DATE 12-22-11

TITLE SCM

C:\Documents and Settings\l.humphrey\My Documents\oh_cert_disp.rpt

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD002175057
2. Page 1 of: 1
3. Emergency Response Phone: 440-937-5950
4. Manifest Tracking Number: 009172729 JJK

5. Generator's Name and Mailing Address
Standard Chlorine and Chemical Company
1025 Belleville Turnpike
Generator's Phone: KEARNY, NJ 07032 908-507-1525

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE INC. 732-462-1001
U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO
876 OTTER CREEK RD
Facility's Phone: OREGON, OH 43616 800-537-0425
U.S. EPA ID Number: OHD045243705

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. NA2212, ASBESTOS, 9, III | 001 | CM | 30 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
WSID# ~~[illegible]~~ BD 13540 ERG# 171 CH14536MP 0403 15000

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera for KEY - on behalf of SCCC
Signature: Vamsee Veera for KEY - on behalf of SCCC
Month 12 Day 03 Year 2011

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: John P Kandoloo
Signature:
Month 12 Day 3 Year 11
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H-132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: JERRY PICKLE
Signature:
Month 12 Day 22 Year 11

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

**DESIGNATED FACILITY TO GENERATOR**

ESOI/Envirosafe Services of Ohio, Inc.
Associated Chemical and Environmental Services, Inc.
878 Otter Creek Rd.
Oregon, Ohio 43616-1200

USEPA ID OHD045243706
Ohio EPA 03-48-0092

# Certificate of Disposal

**PART A** --Generator Information

Generator Name STANDARD CHLORINE CHEMICAL CO INC

Generator USEPA ID # NJD002175057

Manifest Document No. 009172729JJK

**PART B** --Waste Disposal Information

| Profile | Document | Disposal Date | Disposal Method | Container No. & Type | Weight |
|---|---|---|---|---|---|
| 13540 | A11222014 | 12-22-11 | D080 | 1 CM | 15000 |

Disposal Method = D080 - Landfill; T04 - Treatment

Container Types = DR - Drum; TR - Truck; CT - Cargo Tanker; VT - Vacuum Tanker; RO - Rolloff; CM - Container Metal

I certify receipt and disposal of the above identified wastes at this facility. I certify that the above described wastes were disposed according to all applicable state & federal requirements imposed by the generator.

SIGNATURE _____ DATE 12-22-11

TITLE _____

C:\Documents and Settings\l.humphrey\My Documents\oh_cert_disp.rpt

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD002175057
2. Page 1 of 1
3. Emergency Response Phone: 440-937-5950
4. Manifest Tracking Number: 009172730 JJK

5. Generator's Name and Mailing Address
Standard Chlorine and Chemical Company
1025 Belleville Turnpike
KEARNY, NJ 07032
Generator's Phone: 908-507-1525
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE INC. 732-462-1001
U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO
876 OTTER CREEK RD
OREGON, OH 43616
Facility's Phone: 800-537-0426
U.S. EPA ID Number: OHD045243706

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. NA2212, ASBESTOS, 9, III | 001 | CM | 30 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
WSID0 ~~13540~~ BD ERG0 171 CH14536MP
13540
31860

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera for KEY- on behalf of SCCC
Signature: Vamsee Veera for KEY- on behalf of SCCC
Month 12 Day 05 Year 2011

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PAUL W. BLACK
Signature: Paul W. Black
Month 12 Day 05 Year 11
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Bob Jobecki
Signature
Month 12 Day 06 Year 11

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

**DESIGNATED FACILITY TO GENERATOR**

ESOI/Envirosafe Services of Ohio, Inc.
Associated Chemical and Environmental Services, Inc.
878 Otter Creek Rd.
Oregon, Ohio 43616-1200

USEPA ID OHD045243706
Ohio EPA 03-48-0092

# Certificate of Disposal

**PART A** --Generator Information

Generator Name STANDARD CHLORINE CHEMICAL CO INC

Generator USEPA ID # NJD002175057

Manifest Document No. 009172730JJK

**PART B** --Waste Disposal Information

| Profile | Document | Disposal Date | Disposal Method | Container No. & Type | Weight |
|---|---|---|---|---|---|
| 13540 | A11206011 | 12.6.11 | D080 | 1 CM | 31860 |

Disposal Method = D080 - Landfill; T04 - Treatment

Container Types = DR - Drum; TR - Truck; CT - Cargo Tanker; VT - Vacuum Tanker; RO - Rolloff; CM - Container Metal

I certify receipt and disposal of the above identified wastes at this facility. I certify that the above described wastes were disposed according to all applicable state & federal requirements imposed by the generator.

SIGNATURE _____ DATE 12.6.11

TITLE SCALEM[illegible]TER

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Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD002175057
2. Page 1 of 1
3. Emergency Response Phone: 440-937-5950
4. Manifest Tracking Number: 009172731 JJK

5. Generator's Name and Mailing Address
Standard Chlorine and Chemical Company
1025 Belleville Turnpike
KEARNY, NJ 07032
Generator's Phone: 908-507-1525
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE INC. 732-462-1001
U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
ENVIROSAFE SERVICES OF OHIO
876 OTTER CREEK RD
OREGON, OH 43616
Facility's Phone: 800-537-0426
U.S. EPA ID Number: OHD045243706

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. NA2212, ASBESTOS, 9, III | 44 | CF | 44 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
WSID# 13541 ERG# 171 CH14536MP
20660

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Tamsee Vera / for ICEY - on behalf of SCCC
Signature: Tamsee Vera for ICEY - on behalf of SCCC
Month Day Year: 12 05 2011

**GENERATOR**

**INT'L**

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jon Rushing
Signature:
Month Day Year: 12 05 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

**DESIGNATED FACILITY**

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
U.S. EPA ID Number

18b. Alternate Facility (or Generator)
Facility's Phone:
Month Day Year

18c. Signature of Alternate Facility (or Generator)

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Bob Dobecki
Signature:
Month Day Year: 12 06 11

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

**DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)**

ESOI/Envirosafe Services of Ohio, Inc.
Associated Chemical and Environmental Services, Inc.
878 Otter Creek Rd.
Oregon, Ohio 43616-1200

USEPA ID OHD045243706
Ohio EPA 03-48-0092

# Certificate of Disposal

**PART A** --Generator Information

Generator Name STANDARD CHLORINE CHEMICAL CO INC

Generator USEPA ID # NJD002175057

Manifest Document No. 009172731JJK

**PART B** --Waste Disposal Information

| Profile | Document | Disposal Date | Disposal Method | Container No. & Type | | Weight |
|---|---|---|---|---|---|---|
| 13541 | A11206012 | 12.6.11 | D080 | 44 | CF | 20660 |

Disposal Method = D080 - Landfill; T04 - Treatment

Container Types = DR - Drum; TR - Truck; CT - Cargo Tanker; VT - Vacuum Tanker; RO - Rolloff; CM - Container Metal

I certify receipt and disposal of the above identified wastes at this facility. I certify that the above described wastes were disposed according to all applicable state & federal requirements imposed by the generator.

SIGNATURE _____ DATE 12.6.11

TITLE SCALEMASTER

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009172909JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number: NJD002175057 | 2. Page 1 of 1 | 3. Emergency Response Phone: 440-937-5950 | 4. Manifest Tracking Number: 009172909 JJK |
|---|---|---|---|---|

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Wayne Disposal
~~Michigan Disposal Waste Treatment Plant~~ M.
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489
U.S. EPA ID Number: MID048090633 ~~MID000724831~~ M.

| Sa. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
Approval # K119161WDI Box# 0311

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera / for KEY - on behalf of SCCC
Signature: Vamsee Veera for KEY - on behalf of SCCC
Month 01 Day 05 Year 2012

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Alan K Bossick
Signature: [signature]
Month 01 Day 05 Year 12
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

| 1. | 2. | 3. | 4. |
|---|---|---|---|
| None | | | |

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Josh Heath
Signature: [signature]
Month 01 Day 20 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172909 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME:
*(Please check one)*

☐ Michigan Disposal Waste Treatment Plant
(EPA I.D. # MID000724831)

☑ Wayne Disposal, Inc.
(EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: Mark Weber

009172915JJK

FCL 894

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | NJD0002175057 | 1 | 440-937-5950 | 009172915 JJK |

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address
WAYNE DISPOSAL, INC. SITE #2
49350 I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489 U.S. EPA ID Number: MID048090633

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. NA2212, ASBESTOS, 9, III | 1 | CM | 30 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
L119062WDI ERG #171
BOX # 9538

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veeraftorkey - on behalf of SCCC
Signature: Vamsee Veeraftorkey - on behalf of SCCC
Month 12 Day 21 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: LARRY GEMBELLING
Signature: [signature]
Month 12 Day 21 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. None. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Josh Heath
Signature: [signature]
Month 01 Day 04 Year 12

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Receipt ID: 1212588
Manifest: 009172915JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/04/2012
Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164
Truck: 894
CHEMTRON CORPORATION

Sched.: 01/04/2012 10:00
TOS: 01/04/2012 08:32

Status: Submitted
Conf#: 354862
- 01/04/2012 11:07
Acct Type: EQ Account

Receipt Line: 1212588-1

Transaction: Approval / Product
Total #Cont: 1

Approval: L119062WDI
Waste: NONE Building 18 Non Friable Asbestos containing Materi
Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO.
Manifest Unit: Y YARD
Treatment: 1239 NSol-DirectShip-Sub C
Manifest Qty: 30.000
Bill Unit: YARD
Gross: 37,110
Treat Mgt: NONE
Man.Cont.Code: CM
Quantity: 30.000
Tare: 22,080
Generic: No
Man.Haz.Class: 9
Lab: Accepted
#Cont: 1 Bulk
Net: 15,030
DDVOC: 0.00
Line: A

Location:
TSDF Approval:
Billing Project: 0 Standard Customer Billing
Terr: 10
PO:
Rel:
GL Account: 40122-03-01-200
PO Amt:

Transporter Comm:

Special Handling Instructions:

Date Added: 01/04/2012 08:32 AM By: TANYA_C
Date Modified: 01/04/2012 11:07 AM By: JOSH_H

WASTE CODES
NONE

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172915 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

| | | |
|---|---|---|
| FACILITY NAME: *(Please check one)* | ☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) | ☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633) |
| ADDRESS: | 49350 N. I-94 Service Drive<br>Belleville, Michigan 48111 | |
| PHONE NUMBER: | 1-800-592-5489 | |
| FAX NUMBER: | 1-800-593-5329 | |

Authorized Signature: Mark Werbe

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

Form # REC-FM-029-BEL

*The electronic version of this document is the controlled version. Each user is responsible for ensuring that any document being used is the current version*

2/22/11

COD #1

009172916JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | NJD0002175057 | 1 | 440-937-5950 | 009172916 JJK |

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1825 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 — U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
WAYNE DISPOSAL, INC. SITE #2
49350 I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489 — U.S. EPA ID Number: MID048090633

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. NA2212, ASBESTOS, 9, III | 1 | CM | 30 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
Approval # L119062WDI ERG #171 Box # 9922
UFW-01907130

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera / for KEY - on behalf of SCCC — Signature: Vamsee Veera for KEY - on behalf of SCCC — Month 12 Day 22 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Robert Daldos — Signature: Robert Daldos — Month 12 Day 22 Year 11
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. none 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Tanya Cowgar — Signature: [signature] — Month 01 Day 04 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172916 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME:
*(Please check one)*

☐ Michigan Disposal Waste Treatment Plant
(EPA I.D. # MID000724831)

☒ Wayne Disposal, Inc.
(EPA I.D # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: Mark Walker

009172917JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD0002175057
2. Page 1 of: 1
3. Emergency Response Phone: 440-937-5950
4. Manifest Tracking Number: 009172917 JJK

5. Generator's Name and Mailing Address: Standard Chlorine Chemical Company, 1815 BELLEVILLE TURNPIKE, KEARNY, NJ 07032

Generator's Site Address (if different than mailing address): SAME

Generator's Phone: 908-997-1523

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. — 732-462-1001 — U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC. SITE #2, 49350 I-94 SERVICE DRIVE, BELLEVILLE, MI 48111

U.S. EPA ID Number: MID048090633

Facility's Phone: 800-592-5489

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes | | |
|---|---|---|---|---|---|---|---|---|
| X | 1. NA2212, ASBESTOS, 9, III | 01 | C/M | 30 | Y | A5BE | | |
| | 2. | | | | | | | |
| | 3. | | | | | | | |
| | 4. | | | | | | | |

14. Special Handling Instructions and Additional Information

Approval # L119062WDI — BRG #171 — UPW-0190713-OH — NJ-S-2365 — Box # 0324 — Docu # 01864

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamore Verma For PEY - SCCC on behalf of — Signature: For PEY - SCCC on behalf of — Month/Day/Year: 12/22/11

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit: — Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Doldos — Signature: Robert Doldos — Month/Day/Year: 12/22/11

Transporter 2 Printed/Typed Name: — Signature: — Month/Day/Year:

18. Discrepancy

18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month/Day/Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. NONE 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: David Tarnski — Signature: — Month/Day/Year: 12/30/11

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Receipt ID: 1212344
Manifest: 009172917JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 12/30/2011
Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164
CHEMTRON CORPORATION
Truck: 667

Sched.: 12/30/2011 09:00
TOS: 12/30/2011 10:43

Status: Submitted
Conf#: 354840
- 12/30/2011 12:37
Acct Type: EQ Account

Receipt Line: 1212344-1

Transaction: Approval / Product
Total #Cont: 1

Approval: L119062WDI
Waste: NONE Building 18 Non Friable Asbestos containing Materi
Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO.
Manifest Unit: Y YARD
Treatment: 1239 NSol-DirectShip-Sub C
Manifest Qty: 30.000
Bill Unit: YARD
Gross: 66,800
Treat Mgt: NONE
Quantity: 30.000
Tare: 33,440
Generic: No
Man.Cont.Code: CM
Lab: Accepted
#Cont: 1 Bulk
Net: 33,360
DDVOC: 0.00
Man.Haz.Class: 9
Line: A

Location:
TSDF Approval:
Billing Project: 0 Standard Customer Billing
Terr: 10
PO:
Rel:
GL Account: 40122-03-01-200
PO Amt:

Transporter Comm:

Special Handling Instructions:

Date Added: 12/30/2011 10:43 AM By: MIKE_R
Date Modified: 12/30/2011 12:37 PM By: DAVID_T

WASTE CODES
NONE

COD #1

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172917 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME:
*(Please check one)*

☐ Michigan Disposal Waste Treatment Plant
(EPA I.D. # MID000724831)

☒ Wayne Disposal, Inc.
(EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: Mark Walk

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

009172918JJK

894

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | NJD0002175057 | 1 | 440-937-5950 | 009172918 JJK |

5. Generator's Name and Mailing Address
Standard Chinese Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525

Generator's Site Address (if different than mailing address): Same

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address
WAYNE DISPOSAL, INC. SITE #2
49350 I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489 U.S. EPA ID Number: MID048090633

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. NA2212, ASBESTOS, 9, III | 001 | CM | 30 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
Approval # L119062WDI ERG #171 Box # 9923

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera / for KEY - on behalf of SCCC
Signature: Vamsee Veera for KEY - on behalf of SCCC
Month 12 Day 23 Year 2011

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Brian Pawcoast
Signature: [signature]
Month 12 Day 23 Year 11
Transporter 2 Printed/Typed Name:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. none. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Josh Heath
Signature: [signature]
Month 01 Day 04 Year 12

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

**Receipt ID:** 1212587
**Manifest:** 009172918JJK
**Transporter:** FCI
**Customer:** 1327
**Comment:** roll off hand off
**Problem:** 21 Other – External Problem

**Date:** 01/04/2012
**Bulk Flag:** ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164
CHEMTRON CORPORATION
**Truck:** 894

**Sched.:** 01/04/2012 09:00
**TOS:** 01/04/2012 08:27

**Status:** Submitted
**Conf#:** 354861
- 01/04/2012 11:09
**Acct Type:** EQ Account

---

**Receipt Line:** 1212587-1

---

**Transaction** **Approval / Product** **Total #Cont:** 1

Approval L119062WDI **Waste:** NONE Building 18 Non Friable Asbestos containing Materi

**Generator:** NJD002175057 STANDARD CHLORINE CHEMICAL CO. **Manifest Unit:** Y YARD

**Treatment:** 1239 NSol-DirectShip-Sub C **Manifest Qty:** 30.000

**Bill Unit:** YARD **Gross:** 37,110 **Treat Mgt:** NONE **Man.Cont.Code:** CM

**Quantity:** 30.000 **Tare:** 22,080 **Generic:** No **Man.Haz.Class:** 9

**Lab:** Accepted **#Cont:** 1 Bulk **Net:** 15,030 **DDVOC:** 0.00 **Line:** A

**Location:**
**TSDF Approval:**
**Billing Project:** 0 Standard Customer Billing **Terr:** 10 **PO:** **Rel:**
**GL Account:** 40122-03-01-200 **PO Amt:**

**Transporter Comm:**

**Special Handling Instructions:**

**Date Added:** 01/04/2012 08:27 AM **By:** TANYA_C **Date Modified:** 01/04/2012 11:10 AM **By:** JOSH_H

**WASTE CODES**

NONE

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172918 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

| | | |
|---|---|---|
| FACILITY NAME: *(Please check one)* | ☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) | ☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633) |
| ADDRESS: | 49350 N. I-94 Service Drive<br>Belleville, Michigan 48111 | |
| PHONE NUMBER: | 1-800-592-5489 | |
| FAX NUMBER: | 1-800-593-5329 | |

Authorized Signature: Mark Werbe

THE ENVIRONMENTAL Q[illegible]TY CO[illegible] 49350 N. I-94 [illegible] DRIVE [illegible]LLEVILLE, MIC[illegible] 48111

COD #1



The electronic version of this document is the controlled version. Each user is responsible for ensuring that any document being used is the current version.

009172877JJK

894

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD0002175057
2. Page 1 of: 1
3. Emergency Response Phone: 440-937-5950
4. Manifest Tracking Number: 009172877 JJK

5. Generator's Name and Mailing Address: Standard Chlorine Chemical Company, 1025 BELLEVILLE TURNPIKE, KEARNY, NJ 07032

Generator's Site Address (if different than mailing address): Same

Generator's Phone: 908-997-1325

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. — 732-462-1001 — U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Michigan Disposal Waste Treatment Plant, 49350 NORTH I-94 SERVICE DRIVE, BELLEVILLE, MI 48111 — 800-592-5489 — U.S. EPA ID Number: MID000724831

Facility's Phone:

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes | | |
|---|---|---|---|---|---|---|---|---|
| X | 1. "RQ", NA3077, Hazardous Waste, solid, n.o.s. (CHROME), 9, III (D007) | 001 | CM | 30 | Y | D007 | | |
| | 2. | | | | | | | |
| | 3. | | | | | | | |
| | 4. | | | | | | | |

14. Special Handling Instructions and Additional Information: Approval #L119051MDI MG#171 Box # 0816

15. GENERATOR/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera for KBY - on behalf of SCCC — Signature: Vamsee Veera for KBY - on behalf of SCCC — Month 12 Day 23 Year 2011

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit: — Transporter signature (for exports only): — Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MATT Snyder — Signature: Matt Snyder — Month 12 Day 23 Year 11

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

18. Discrepancy

18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H111 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Charles Swope — Signature — Month 12 Day 27 Year 11

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172877 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.*

FACILITY NAME: *(Please check one)*

☒ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: _____

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

Receipt ID: 495509
Manifest: 009172876JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 12/27/2011 Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164 Truck: 894
CHEMTRON CORPORATION

Sched.: 12/27/2011 19:10
TOS: 12/27/2011 17:54

Status: Submitted
Conf#: 353590
- 12/27/2011 19:41
Acct Type: EQ Account

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Receipt Line: 495509-1

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Transaction Approval / Product Total #Cont: 1

Approval L119051MDI Waste: D007 Building 15, 17, 18, & 21 Wood

Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO. Manifest Unit: Y YARD

Treatment: 1420 CMet Sol-Micro Std-Sub C Manifest Qty: 30.000

Bill Unit: YARD Gross: 37,020 Treat Mgt: H111 Man.Cont.Code: CM

Quantity: 30.000 Tare: 21,980 Generic: No Man.Haz.Class: 9

Lab: Accepted #Cont: 1 Bulk Net: 15,040 DDVOC: 0.00 Line: A

Location: TSDF Approval:

Billing Project: 0 Standard Customer Billing Terr: 10 PO: CH14536MP Rel:

GL Account: 40131-02-21-200 PO Amt:

Transporter Comm:

Special Handling instructions:

Date Added: 12/27/2011 05:54 PM By: JACOB_W Date Modified: 12/27/2011 07:41 PM By: JACOB_W

WASTE CODES

D007

009172876JJK

894

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number: NJD0002175057 | 2. Page 1 of 1 | 3. Emergency Response Phone: 440-937-5950 | 4. Manifest Tracking Number: 009172876 JJK |
|---|---|---|---|---|

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1825 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525

Generator's Site Address (if different than mailing address): Same

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 — U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Michigan Disposal Waste Treatment Plant
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489 — U.S. EPA ID Number: MID000724831

| Sa. HM | 9a. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. "RQ", NA3077, Hazardous Waste, solid, n.o.s. (CHROME), 9, III (D007) | 001 | CM | 30 | Y | D007 |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
Approval #L119051MDI ERG #171 Box # 0527

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera Forkey - on behalf of SCCC — Signature: Vamsee Veera Forkey - on behalf of SCCC — Month 12 Day 23 Year 2011

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: MARC SNYDER — Signature: [signature] — Month 12 Day 23 Year 11
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H111 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Charles Snyder — Signature: [signature] — Month 12 Day 23 Year 11

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172876 JK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

| | | |
|---|---|---|
| FACILITY NAME: *(Please check one)* | ☒ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) | ☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633) |
| ADDRESS: | 49350 N. I-94 Service Drive<br>Belleville, Michigan 48111 | |
| PHONE NUMBER: | 1-800-592-5489 | |
| FAX NUMBER: | 1-800-593-5329 | |

Authorized Signature: _____

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

Receipt ID: 495818
Manifest: 0009172881JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/06/2012
Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164
Truck: 894
CHEMTRON CORPORATION

Sched.: 01/06/2012 20:30
TOS: 01/06/2012 16:23

Status: Submitted
Conf#: 355871
- 01/06/2012 17:19
Acct Type: EQ Account

---

Receipt Line: 495818-1

---

Transaction: Approval / Product
Total #Cont: 1

Approval: L119051MDI
Waste: D007 Building 15, 17, 18, & 21 Wood
Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO.
Treatment: 1420 CMet Sol-Micro Std-Sub C
Bill Unit: YARD
Quantity: 30.000
Lab: Accepted
#Cont: 1 Bulk
Gross: 57,860
Tare: 36,900
Net: 20,960
Treat Mgt: H111
Generic: No
DDVOC: 0.00
Manifest Unit: Y YARD
Manifest Qty: 30.000
Man.Cont.Code: CM
Man.Haz.Class: 9
Line: A

Location:
Billing Project: 0 Standard Customer Billing
GL Account: 40121-02-00-320
TSDF Approval:
Terr: 10
PO: CH14536MP
Rel:
PO Amt:

Transporter Comm:

Special Handling Instructions:

Date Added: 01/06/2012 04:23 PM By: TANYA_C
Date Modified: 01/15/2012 05:26 PM By: SA

WASTE CODES
D007

0009172881JJK

894

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of 1 | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | NJD0002175057 | | 440-937-5950 | 009172881 JJK |

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
FREEHOLD CARTAGE, INC. 732-462-1001 U.S. EPA ID Number NJD054126164

7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address
Michigan Disposal Waste Treatment Plant
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489 U.S. EPA ID Number MID000724831

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes | | |
|---|---|---|---|---|---|---|---|---|
| X | 1. "RQ", NA3077, Hazardous Waste, solid, n.o.s. (CHROME), 9, III (D007) | 001 | CM | 030 | Y | D007 | | |
| | 2. | | | | | | | |
| | 3. | | | | | | | |
| | 4. | | | | | | | |

14. Special Handling Instructions and Additional Information
Approval # L119051MDI ERG # 171
Box # 9612

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera / for KEY - on behalf of SCCC
Signature: Vamsee Veera for KEY - on behalf of SCCC
Month 01 Day 05 Year 2012

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: MARC SNYDER
Signature: [signature]
Month 7 Day 5 Year 0
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

18b. Alternate Facility (or Generator) Manifest Reference Number:
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H111 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: David Tornelli
Signature: [signature]
Month 1 Day 6 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

COD #2

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172881JK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: *(Please check one)*

☒ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature:

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

Receipt ID: 1213321
Manifest: 009172889JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/16/2012
Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164
Truck: 888
CHEMTRON CORPORATION

Sched.: 01/16/2012 16:00
TOS: 01/16/2012 14:51

Status: Submitted
Conf#: 356944
- 01/16/2012 15:41
Acct Type: EQ Account

Receipt Line: 1213321-1

Transaction: Approval / Product
Total #Cont: 1

Approval: K119161WDI
Waste: NONE Buildings 15, 17, 21 concrete/brick/masonry materi
Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO.
Manifest Unit: Y YARD
Treatment: 1239 NSol-LandDirect-Sub C
Manifest Qty: 15.000
Bill Unit: YARD
Gross: 82,460
Treat Mgt: NONE
Man.Cont.Code: CM
Quantity: 15.000
Tare: 41,220
Generic: No
Man.Haz.Class:
Lab: Accepted
#Cont: 1 Bulk
Net: 41,240
DDVOC: 0.00
Line: A

Location:
TSDF Approval:
Billing Project: 0 Standard Customer Billing
Terr: 10
PO: CH14536MP
Rel:
GL Account: 40122-03-00-350
PO Amt:

Transporter Comm:

Special Handling Instructions:

Date Added: 01/16/2012 02:51 PM
By: CHARLESD
Date Modified: 01/20/2012 10:57 AM
By: SA

WASTE CODES
NONE

009172889JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number NJD002175057 | 2. Page 1 of 1 | 3. Emergency Response Phone 440-937-5950 | 4. Manifest Tracking Number 009172889 JJK |
|---|---|---|---|---|

5. Generator's Name and Mailing Address
Rhone-Poulenc Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
908-507-1525

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. — 732-462-1001 — U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Wayne Disposal
~~Wayne Disposal Wayne Disposal Wayne~~ MI
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
800-592-5489

U.S. EPA ID Number: MID048090633 ~~MIED007284831~~ MI

Facility's Phone:

| Item No. | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes | | |
|---|---|---|---|---|---|---|---|---|
| 1. | NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | NONE | | |
| 2. | | | | | | | | |
| 3. | | | | | | | | |
| 4. | | | | | | | | |

14. Special Handling Instructions and Additional Information
961 Approval # KIMIGIWOT
Box # 9453

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator/Offeror's Printed/Typed Name: Tamsen Vierra for KEY - on behalf of SCCC — Signature: Tamsen Vierra for KEY - on behalf of SCCC — Month 01 Day 13 Year 2012

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit: — Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Burns — Signature: Bill Burns — Month 01 Day 13 Year 12
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. NONE 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jose Hart — Signature — Month 01 Day 16 Year 12

GENERATOR — INTL — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

COD #2

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172889JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

| | | |
|---|---|---|
| FACILITY NAME: *(Please check one)* | ☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) | ☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633) |
| ADDRESS: | 49350 N. I-94 Service Drive<br>Belleville, Michigan 48111 | |
| PHONE NUMBER: | 1-800-592-5489 | |
| FAX NUMBER: | 1-800-593-5329 | |

Authorized Signature: _____

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

Receipt ID: 1213285
Manifest: 009172890JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/13/2012
Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164
Truck: 796
CHEMTRON CORPORATION

Sched.: 01/13/2012 13:00
TOS: 01/13/2012 14:53

Status: Submitted
Conf#: 356710
- 01/13/2012 15:48
Acct Type: EQ Account

---

Receipt Line: 1213285-1

---

Transaction Approval / Product — Total #Cont: 1

Approval K119161WDI — Waste: NONE Buildings 15, 17, 21 concrete/brick/masonry materi

Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO. — Manifest Unit: Y YARD

Treatment: 1239 NSoi-LandDirect-Sub C — Manifest Qty: 15.000

Bill Unit: YARD — Gross: 77,200 — Treat Mgt: NONE — Man.Cont.Code: CM

Quantity: 15.000 — Tare: 37,960 — Generic: No — Man.Haz.Class:

Lab: Accepted — #Cont: 1 Bulk — Net: 39,240 — DDVOC: 0.00 — Line: A

Location:

TSDF Approval:

Billing Project: 0 Standard Customer Billing — Terr: 10 — PO: CH14536MP — Rel:

GL Account: 40122-03-00-350 — PO Amt:

Transporter Comm:

Special Handling Instructions:

Date Added: 01/13/2012 02:53 PM — By: TANYA_C — Date Modified: 01/20/2012 10:57 AM — By: SA

WASTE CODES

NONE

Receipt ID: 1213300
Manifest: 009172895JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/16/2012
Bulk Flag: [✓] Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164
CHEMTRON CORPORATION
Truck: 901

Sched.: 01/16/2012 09:00
TOS: 01/16/2012 11:26

Status: Submitted
Confr: 356840
- 01/16/2012 12:19
Acct Type: EQ Account

Receipt Line: 1213300-1

Transaction: Approval / Product
Approval: K119161WDI
Waste: NONE Buildings 15, 17, 21 concrete/brick/masonry materi
Total #Cont: 1
Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO.
Treatment: 1239 NSol-LandDirect-Sub C
Bill Unit: YARD
Quantity: 22.000
Lab: Accepted
#Cont: 1 Bulk
Gross: 77,240
Tare: 36,800
Net: 40,440
Treat Mgt: NONE
Generic: No
DDVOC: 0.00
Manifest Unit: Y YARD
Manifest Qty: 15.000
Man.Cont.Code: CM
Man.Haz.Class:
Line: A

Location:
Billing Project: 0 Standard Customer Billing
GL Account: 40122-03-00-350
TSDF Approval:
Terr: 10
PO: CH14536MP
PO Amt:
Rel:

Transporter Comm:

Special Handling Instructions:

Date Added: 01/16/2012 11:26 AM By: CHARLESD
Date Modified: 01/20/2012 10:57 AM By: SA

WASTE CODES
NONE

009172895JJK

#901

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | NJD0002175057 | 1 | 440-937-5950 | 009172895 JJK |

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
FREEHOLD CARTAGE, INC. 732-462-1001
U.S. EPA ID Number NJD054126164

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
~~Michigan Disposal Waste Treatment Plant~~ Wayne Disposal MI
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489
U.S. EPA ID Number MID048090633 ~~MID000724831~~ MI

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
9b1) Approval # K119161WOI
Box # 9720

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vanessa Veena for DEY - on behalf of SCCC
Signature: Vanessa Veena for DEY - on behalf SCCC
Month 01 Day 11 Year 2012

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Burns
Signature: Bill Burns
Month 01 Day 11 Year 12
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. none 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Tanya Cowgar
Signature
Month 06 Day 16 Year 12

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #1

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172895JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

| | | |
|---|---|---|
| FACILITY NAME: *(Please check one)* | ☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) | ☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633) |
| ADDRESS: | 49350 N. I-94 Service Drive<br>Belleville, Michigan 48111 | |
| PHONE NUMBER: | 1-800-592-5489 | |
| FAX NUMBER: | 1-800-593-5329 | |

Authorized Signature: _____

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

Receipt ID: 1213661
Manifest: 009172896JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/25/2012
Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164
Truck: 776
CHEMTRON CORPORATION

Sched.: 01/25/2012 08:00
TOS: 01/25/2012 08:00

Status: Submitted
Conf#: 359259
01/25/2012 09:02
Acct Type: EQ Account

Receipt Line: 1213661-1

Transaction Approval / Product
Total #Cont: 1

Approval K119161WDI
Waste: NONE Buildings 15, 17, 21 concrete/brick/masonry materi
Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO.
Manifest Unit: Y YARD
Treatment: 1239 NSol-LandDirect-Sub C
Manifest Qty: 15.000
Bill Unit: YARD Gross: 77,300 Treat Mgt: NONE
Man.Cont.Code: CM
Quantity: 15.000 Tare: 36,420 Generic: No
Man.Haz.Class:
Lab: Accepted #Cont: 1 Bulk Net: 40,880 DDVOC: 0.00
Line: A

Location:
TSDF Approval:
Billing Project: 0 Standard Customer Billing
Terr: 10
PO: CH14536MP
Ref:
GL Account: 40122-03-00-350
PO Amt:

Transporter Comm:

Special Handling Instructions:

Date Added: 01/25/2012 08:00 AM By: TANYA_C
Date Modified: 01/25/2012 09:02 AM By: DAVID_T

WASTE CODES
NONE

009172896JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number: NJD002175057 | 2. Page 1 of 1 | 3. Emergency Response Phone: 440-937-5950 | 4. Manifest Tracking Number: 009172896 JJK |
|---|---|---|---|---|

5. Generator's Name and Mailing Address: Standard Chlorine Chemical Company, 1025 BELLEVILLE TURNPIKE, KEARNY, NJ 07032

Generator's Site Address (if different than mailing address):

Generator's Phone: 908-587-1525

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. — 732-462-1001 — U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Wayne Disposal, ~~Michigan Disposal Waste Treatment Plant~~, 49350 NORTH I-94 SERVICE DRIVE, BELLEVILLE, MI 48111 — 800-592-5489 — U.S. EPA ID Number: MID048090633 ~~MID000724831~~ M

Facility's Phone:

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information: 961) Approval # 12119161 WDI Box # 9847

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b)(3) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veena / For KEY - on behalf of SCCC — Signature: Vamsee Veena / For KEY - on behalf of SCCC — Month 01 Day 11 Year 2012

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:

Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Alan K Bossick — Signature: Alan K Bossick — Month 01 Day 11 Year 12

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

| 1. | 2. | 3. | 4. |
|---|---|---|---|
| none | | | |

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: David Tarnecki — Signature: [signature] — Month 1 Day 25 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172846 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: ☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) ☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633)
*(Please check one)*

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: _____

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

Receipt ID: 1213187
Manifest: 009172898JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/11/2012
Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164
Truck: 879
CHEMTRON CORPORATION

Sched.: 01/11/2012 11:00
TOS: 01/11/2012 11:09

Status: Submitted
Conf#: 356324
- 01/11/2012 12:09
Acct Type: EQ Account

---

Receipt Line: 1213187-1

---

Transaction: Approval / Product — Total #Cont: 1

Approval: K119181WDI — Waste: NONE Buildings 15, 17, 21 concrete/brick/masonry materi

Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO. — Manifest Unit: Y — YARD

Treatment: 1239 NSol-LandDirect-Sub C — Manifest Qty: 15.000

Bill Unit: YARD — Gross: 81,260 — Treat Mgt: NONE — Man.Cont.Code: CM

Quantity: 15.000 — Tare: 42,800 — Generic: No — Man.Haz.Class:

Lab: Accepted — #Cont: 1 Bulk — Net: 38,460 — DDVOC: 0.00 — Line: A

Location:
TSDF Approval:
Billing Project: 0 Standard Customer Billing — Terr: 10 — PO: CH14536MP — Rel:
GL Account: 40122-03-00-350 — PO Amt:

Transporter Comm:

Special Handling Instructions:

Date Added: 01/11/2012 11:09 AM — By: TANYA_C — Date Modified: 01/20/2012 10:57 AM — By: SA

WASTE CODES

NONE

009172898JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number: NJD0002175057 | 2. Page 1 of 1 | 3. Emergency Response Phone: 440-937-5950 | 4. Manifest Tracking Number: 009172898 JJK |
|---|---|---|---|---|

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525
Generator's Site Address (if different than mailing address):

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Wayne Disposal
~~Michigan Disposal Waste Treatment Plant~~
~~49350 NORTH I-94 SERVICE DRIVE~~
BELLEVILLE, MI 48111
Facility's Phone: 808-592-5489
U.S. EPA ID Number: MID048090633 ~~MID000724831~~

| 9a. HM | 9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
961) Approval # K119161 WDI
Box # 9439

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.
Generator's/Offeror's Printed/Typed Name: Vamsee Veera / for KEY - on behalf of SCCC
Signature: Vamsee Veera for KEY - on behalf of SCCC
Month 01 Day 10 Year 2012

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Ronnie Schlechtweg
Signature: [signature]
Month 01 Day 10 Year 2012
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. None. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Josh [signature]
Signature: [signature]
Month 01 Day 11 Year 12

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172898 JJC

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

| | | |
|---|---|---|
| FACILITY NAME: *(Please check one)* | ☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) | ☒ Wayne Disposal, Inc. (EPA I.D. # MID048094633) |
| ADDRESS: | 49350 N. I-94 Service Drive<br>Belleville, Michigan 48111 | |
| PHONE NUMBER: | 1-800-592-5489 | |
| FAX NUMBER: | 1-800-593-5329 | |

Authorized Signature: _____

Receipt ID: 1214015
Manifest: 009172903JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 02/03/2012 Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164 Truck: 776
CHEMTRON CORPORATION

Sched.: 02/03/2012 07:00
TOS: 02/03/2012 08:23

Status: Submitted
Conf#: 360171
- 02/03/2012 09:21
Acct Type: EQ Account

Receipt Line: 1214015-1

Transaction Approval / Product
Approval K119161WDI
Total #Cont: 1
Waste: NONE Buildings 15, 17, 21 concrete/brick/masonry materi
Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO.
Treatment: 1239 NSol-LandDirect-Sub C
Bill Unit: YARD
Quantity: 15.000
Lab: Accepted #Cont: 1 Bulk
Gross: 67,960
Tare: 36,640
Net: 31,320
Treat Mgt: NONE
Generic: No
DDVOC: 0.00
Manifest Unit: Y YARD
Manifest Qty: 15.000
Man.Cont.Code: CM
Man.Haz.Class:
Line: A

Location:
Billing Project: 0 Standard Customer Billing
GL Account: 40122-03-00-350
TSDF Approval:
Terr: 10
PO: CH14536MP
PO Amt:
Rel:

Transporter Comm:

Special Handling Instructions:

Date Added: 02/03/2012 08:23 AM By: DAVID_T
Date Modified: 02/03/2012 11:06 AM By: MARK_W

WASTE CODES
NONE

009172903JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NJD002175057

2. Page 1 of 1

3. Emergency Response Phone: 440-937-5950

4. Manifest Tracking Number: 009172903 JJK

5. Generator's Name and Mailing Address:
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032

Generator's Site Address (if different than mailing address):

Generator's Phone: 908-597-1523

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
Michigan Disposal Waste Treatment Plant Wayne Disposal W.
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111

Facility's Phone: 800-592-5489 U.S. EPA ID Number: MID048090633 ~~MID000724831~~ W.

| Ba. Hbl | Ib. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information:
9b1) Approval #K119161WDI
Box # 0523

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera/ For KEY - on behalf of SCCC Signature: [signature] For KEY - on behalf of SCCC Month 01 Day 09 Year 2012

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Alan K Boesick Signature: [signature] Month 01 Day 09 Year 12
Transporter 2 Printed/Typed Name: Signature: Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

18b. Alternate Facility (or Generator) Manifest Reference Number:
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. None 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [signature] Signature: [signature] Month 02 Day 09 Year 12

GENERATOR / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

# CERTIFICATE OF DISPOSAL

***FOR MANIFESTED PCB WASTE***

This certificate is to verify the wastes identified as PCB Sld

and specified on Manifest # 009172903 JJK, Line Item 1 has been landfilled on Feb 3, 2012 in accordance with all local, state and federal regulations by:

## *Wayne Disposal, Inc.*

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: Mark Weber

Receipt ID: 1213891
Manifest: 009172904JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 02/01/2012
Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164
Truck: 868
CHEMTRON CORPORATION

Sched.: 02/01/2012 07:00
TOS: 02/01/2012 08:15

Status: Submitted
Conf#: 359846
02/01/2012 09:46
Acct Type: EQ Account

Receipt Line: 1213891-1

| Transaction | Approval / Product | | | | | | |
|---|---|---|---|---|---|---|---|
| Approval | K119161WDI | | | | Total #Cont: 1 | | |
| | Generator: NJD002175057 | Waste: NONE | Buildings 15, 17, 21 concrete/brick/masonry materi | | | | |
| | Treatment: 1239 NSol-LandDirect-Sub C | | STANDARD CHLORINE CHEMICAL CO. | | Manifest Unit: Y | YARD | |
| | Bill Unit: YARD | Gross: | 73,440 | Treat Mgt: NONE | Manifest Qty: | 15.000 | |
| | Quantity: 15.000 | Tare: | 37,520 | Generic: No | Man.Cont.Code: CM | | |
| Lab: Accepted | #Cont: 1 Bulk | Net: | 35,920 | DDVOC: 0.00 | Man.Haz.Class: | | |
| | | | | | Line: A | | |

Location:
Billing Project: 0 Standard Customer Billing
GL Account: 40122-03-00-350

TSDF Approval:
Terr: 10

PO: CH14536MP
PO Amt:

Rel:

Transporter Comm:

Special Handling Instructions:

Date Added: 02/01/2012 08:15 AM By: CHARLESD Date Modified: 02/01/2012 10:16 AM By: MARK_W

WASTE CODES
NONE

009172904JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NJD0002175057

2. Page 1 of 1

3. Emergency Response Phone: 440-937-5950

4. Manifest Tracking Number: 009172904 JJK

5. Generator's Name and Mailing Address: ~~[illegible]~~ Standard Chemical Co.
~~[illegible]~~
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032

Generator's Site Address (if different than mailing address)

Generator's Phone: 908-507-1525

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address: ~~[illegible]~~ Wayne Disposal
~~[illegible]~~ WD
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111

Facility's Phone: 800-592-5489

U.S. EPA ID Number: MID048090633 ~~MID[illegible]~~ WD

| No. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes | | |
|---|---|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | NONE | | |
| | 2. | | | | | | | |
| | 3. | | | | | | | |
| | 4. | | | | | | | |

14. Special Handling Instructions and Additional Information
Approval # K119161 WDI
Box # 9956

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vannee Veera for KEY - on behalf of SCCC
Signature: Vannee Veera for KEY - on behalf of SCCC
Month 01 Day 06 Year 2012

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Cosmo F. Aversa JR
Signature: [signature]
Month 01 Day 06 Year 12
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

18b. Alternate Facility (or Generator) Manifest Reference Number:
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. NONE 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Josh [illegible]
Signature: [signature]
Month 01 Day 01 Year 12

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

# CERTIFICATE OF DISPOSAL

***FOR MANIFESTED PCB WASTE***

This certificate is to verify the wastes identified as PCB Solid

and specified on Manifest # 009172904 JJK, Line Item 1 has been landfilled on

Feb 1, 2012 in accordance with all local, state and federal regulations by:

## *Wayne Disposal, Inc.*

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: Mark Wenz

Receipt ID: 1212995
Manifest: 009172905JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/09/2012
Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164
Truck: 776
CHEMTRON CORPORATION

Sched.: 01/09/2012 12:00
TOS: 01/09/2012 10:48

Status: Submitted
Confl#: 356016
- 01/09/2012 11:56
Acct Type: EQ Account

Receipt Line: 1212995-1

Transaction Approval / Product
Approval K119161WDI
Total #Cont: 1
Waste: NONE Buildings 15, 17, 21 concrete/brick/masonry materl
Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO.
Treatment: 1239 NSol-LandDirect-Sub C
Bill Unit: YARD
Quantity: 17.000
Lab: Accepted
#Cont: 1 Bulk
Gross: 74,520
Tare: 36,760
Net: 37,760
Treat Mgt: NONE
Generic: No
DDVOC: 0.00
Manifest Unit: Y YARD
Manifest Qty: 15.000
Man.Cont.Code: CM
Man.Haz.Class:
Line: A

Location:
Billing Project: 0 Standard Customer Billing
GL Account: 40122-03-00-350
TSDF Approval:
Terr: 10
PO: CH14536MP
PO Amt:
Rel:

Transporter Comm:

Special Handling Instructions:

Date Added: 01/09/2012 10:48 AM By: TANYA_C
Date Modified: 01/20/2012 10:57 AM By: SA

WASTE CODES
NONE

009172905JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number: NJD0002175057 | 2. Page 1 of 1 | 3. Emergency Response Phone: 440-937-5950 | 4. Manifest Tracking Number: 009172905 JJK |
|---|---|---|---|---|

5. Generator's Name and Mailing Address:
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-597-1525

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Wayne Disposal MI
Michigan Disposal Waste Treatment Plant
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489 U.S. EPA ID Number: MID048090633 - MID000724831 MI

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 0 01 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information:
Approval # K119161 WDI
Box # 9922

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera / For KEY - on behalf of SCCC
Signature: Vamsee Veera / For KEY - on behalf of SCCC
Month 01 Day 06 Year 2012

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: LARRY GUMBERLING
Signature: Larry Gumberling
Month 1 Day 6 Year 12
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. None. 2. 3. 4.

20. Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Tanya Cowdar
Signature:
Month 01 Day 09 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

# CERTIFICATE OF DISPOSAL

***FOR MANIFESTED PCB WASTE***

This certificate is to verify the wastes identified as PCB S.I.

and specified on Manifest # 069172905 JDK, Line Item 1 has been landfilled on

Jan 9, 2012 in accordance with all local, state and federal regulations by:

## *Wayne Disposal, Inc.*

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____

Receipt ID: 1213216
Manifest: 009172906JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/11/2012 Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164 Truck: 796
CHEMTRON CORPORATION

Sched.: 01/11/2012 16:50
TOS: 01/11/2012 15:46

Status: Submitted
Conf#: 358325
- 01/11/2012 16:51
Acct Type: EQ Account

Receipt Line: 1213216-1

Transaction Approval / Product Total #Cont: 1

Approval K119161WDI Waste: NONE Buildings 15, 17, 21 concrete/brick/masonry materi
Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO. Manifest Unit: Y YARD
Treatment: 1239 NSol-LandDirect-Sub C Manifest Qty: 15.000
Bill Unit: YARD Gross: 70,840 Treat Mgt: NONE Man.Cont.Code: CM
Quantity: 15.000 Tare: 37,400 Generic: No Man.Haz.Class:
Lab: Accepted #Cont: 1 Bulk Net: 33,440 DDVOC: 0.00 Line: A

Location:
TSDF Approval:
Billing Project: 0 Standard Customer Billing Terr: 10 PO: CH14536MP Rel:
GL Account: 40122-03-00-350 PO Amt:

Transporter Comm:

Special Handling Instructions:

Date Added: 01/11/2012 03:46 PM By: JOSH_H Date Modified: 01/20/2012 10:57 AM By: SA

WASTE CODES
NONE

009172906JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number: NJD0002175057 | 2. Page 1 of 1 | 3. Emergency Response Phone: 440-937-5950 | 4. Manifest Tracking Number: 009172906 JJK |
|---|---|---|---|---|

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 — U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
~~[illegible]~~ Disposal ~~[illegible]~~ Inc.
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489
U.S. EPA ID Number: MID048090633 ~~[illegible]~~ MI

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
961) Approval # K119161WOI
Box # 9765 Decal # 01506

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera/For KEY - on behalf of SCCC — Signature: Vamsee Veera For KEY - on behalf of SCCC — Month 01 Day 06 Year 2012

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Alan K Bresich — Signature: [signature] — Month 01 Day 06 Year 12
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. None 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Charles Swope — Signature: [signature] — Month 1 Day 11 Year 12

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

# CERTIFICATE OF DISPOSAL

***FOR MANIFESTED PCB WASTE***

This certificate is to verify the wastes identified as PCB Soil

and specified on Manifest # 009172906 JJK, Line Item 1 has been landfilled on

Jan 11, 2012 in accordance with all local, state and federal regulations by:

# *Wayne Disposal, Inc.*

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____

Receipt ID: 1213234
Manifest: 009172907JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/12/2012
Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164
Truck: 880
CHEMTRON CORPORATION

Sched.: 01/12/2012 08:00
TOS: 01/12/2012 07:53

Status: Submitted
Conf#: 356401
01/12/2012 09:49
Acct Type: EQ Account

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Receipt Line: 1213234-1

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Transaction: Approval / Product
Total #Cont: 1

Approval: K119161WDI
Waste: NONE Buildings 15, 17, 21 concrete/brick/masonry materi
Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO.
Manifest Unit: Y YARD
Treatment: 1239 NSol-LandDirect-Sub C
Manifest Qty: 15.000
Bill Unit: YARD
Gross: 74,700
Treat Mgt: NONE
Man.Cont.Code: CM
Quantity: 15.000
Tare: 36,420
Generic: No
Man.Haz.Class:
Lab: Accepted
#Cont: 1 Bulk
Net: 38,280
DDVOC: 0.00
Line: A

Location:
TSDF Approval:
Billing Project: 0 Standard Customer Billing
Terr: 10
PO: CH14536MP
Rel:
GL Account: 40122-03-00-350
PO Amt:

Transporter Comm:

Special Handling Instructions:

Date Added: 01/12/2012 07:53 AM
By: TANYA_C
Date Modified: 01/20/2012 10:57 AM
By: SA

WASTE CODES

NONE

009172907JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number: NJD0002175057 | 2. Page 1 of 1 | 3. Emergency Response Phone: 440-937-5950 | 4. Manifest Tracking Number: 009172907 JJK |
|---|---|---|---|---|

5. Generator's Name and Mailing Address: Standard Chlorine Chemical Company, 1085 BELLEVILLE TURNPIKE, KEARNY, NJ 07032

Generator's Site Address (if different than mailing address):

Generator's Phone: 908-587-1525

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. — 732-462-1001 — U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: ~~Michigan Disposal Waste Treatment Plant~~ Wayne Disposal, 49350 NORTH I-94 SERVICE DRIVE, BELLEVILLE, MI 48111 — 800-592-5489 — U.S. EPA ID Number: ~~MID000724831~~ 048090633

Facility's Phone:

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information: 96D Approval# K119161 WDI

Box # 9538

15. GENERATOR/SHIPPER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera / For KEY - on behalf of SCCC — Signature: Vamsee Veera / For KEY - on behalf of SCCC — Month 01 Day 05 Year 2012

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Dennis Higgins — Signature: [signature] — Month 01 Day 05 Year 12

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

| 1. | 2. | 3. | 4. |
|---|---|---|---|
| None | | | |

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: David Tarnelli — Signature: [signature] — Month 1 Day 12 Year 12

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

# CERTIFICATE OF DISPOSAL

***FOR MANIFESTED PCB WASTE***

This certificate is to verify the wastes identified as PCB Solid

and specified on Manifest # 009172907 JJK, Line Item 1 has been landfilled on

Jan 12, 2012 in accordance with all local, state and federal regulations by:

## *Wayne Disposal, Inc.*

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____

Receipt ID: 1213280
Manifest: 009172908JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/13/2012 Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164 Truck: 776
CHEMTRON CORPORATION

Sched.: 01/13/2012 11:00
TOS: 01/13/2012 11:18

Status: Submitted
Conf#: 356711
- 01/13/2012 12:08
Acct Type: EQ Account

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**Receipt Line:** 1213280-1

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**Transaction** **Approval / Product** **Total #Cont: 1**

Approval K119161WDI **Waste:** NONE Buildings 15, 17, 21 concrete/brick/masonry materi

**Generator:** NJD002175057 STANDARD CHLORINE CHEMICAL CO. **Manifest Unit:** Y YARD

**Treatment:** 1239 NSol-LandDirect-Sub C **Manifest Qty:** 15.000

**Bill Unit:** YARD **Gross:** 64,660 **Treat Mgt:** NONE **Man.Cont.Code:** CM

**Quantity:** 15.000 **Tare:** 37,180 **Generic:** No **Man.Haz.Class:**

**Lab: Accepted** **#Cont:** 1 Bulk **Net:** 27,480 **DDVOC:** 0.00 **Line:** A

**Location:** **TSDF Approval:**

**Billing Project:** 0 Standard Customer Billing **Terr:** 10 **PO:** CH14536MP **Rel:**

**GL Account:** 40122-03-00-350 **PO Amt:**

**Transporter Comm:**

**Special Handling Instructions:**

**Date Added:** 01/13/2012 11:18 AM **By:** JOSH_H **Date Modified:** 01/20/2012 10:57 AM **By:** SA

**WASTE CODES**

NONE

009172908JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD002175057
2. Page 1 of: 1
3. Emergency Response Phone: 440-937-5950
4. Manifest Tracking Number: 009172908 JJK

5. Generator's Name and Mailing Address: Standard Chlorine Chemical Company, 1005 BELLEVILLE TURNPIKE, KEARNY, NJ 07032

Generator's Site Address (if different than mailing address):

Generator's Phone: 908-507-1325

6. Transporter 1 Company Name: FERROLD CARTAGE, INC. — 732-462-1001 — U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Wayne Disposal, 49350 NORTH I-94 SERVICE DRIVE, BELLEVILLE, MI 48111 — U.S. EPA ID Number: MID048090633

Facility's Phone: 800-592-5489

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information

Approval # K119161 WDI

Box # 0403

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veeta / for KEY - on behalf of SCCC — Signature: Vamsee Veeta / for KEY - on behalf of SCCC — Month 01 Day 05 Year 2012

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit:

Transporter signature (for exports only): — Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Burns — Signature: Bill Burns — Month 01 Day 05 Year 12

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator): — U.S. EPA ID Number:

Facility's Phone:

18c. Signature of Alternate Facility (or Generator): — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. None 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Josh Heath — Signature: [signature] — Month 01 Day 13 Year 12

GENERATOR — INTL — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172908 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

| | | |
|---|---|---|
| FACILITY NAME: *(Please check one)* | ☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) | ☑ Wayne Disposal, Inc. (EPA I.D. # MID048090633) |
| ADDRESS: | 49350 N. I-94 Service Drive<br>Belleville, Michigan 48111 | |
| PHONE NUMBER: | 1-800-592-5489 | |
| FAX NUMBER: | 1-800-593-5329 | |

Authorized Signature: _____

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111



The electronic version of this document is the controlled version. Each user is responsible for ensuring that any document being used is the current version.

**Receipt ID:** 1213503
**Manifest:** 009172909JJK
**Transporter:** FCI
**Customer:** 1327
**Comment:**
**Problem:**

**Date:** 01/20/2012 **Bulk Flag:** ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164 **Truck:** 880
CHEMTRON CORPORATION

**Sched.:** 01/20/2012 07:00
**TOS:** 01/20/2012 09:37

**Status:** Submitted
**Conf#:** 358620
- 01/20/2012 10:36
**Acct Type:** EQ Account

---

**Receipt Line:** 1213503-1

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**Transaction** **Approval / Product** **Total #Cont:** 1

**Approval** K119161WDI **Waste:** NONE Buildings 15, 17, 21 concrete/brick/masonry materi

**Generator:** NJD002175057 STANDARD CHLORINE CHEMICAL CO. **Manifest Unit:** Y YARD

**Treatment:** 1239 NSol-LandDirect-Sub C **Manifest Qty:** 15.000

**Bill Unit:** YARD **Gross:** 71,560 **Treat Mgt:** NONE **Man.Cont.Code:** CM

**Quantity:** 15.000 **Tare:** 37,500 **Generic:** No **Man.Haz.Class:**

**Lab:** Accepted **#Cont:** 1 Bulk **Net:** 34,060 **DDVOC:** 0.00 **Line:** A

**Location:**
**Billing Project:** 0 Standard Customer Billing
**GL Account:** 40122-03-00-350

**TSDF Approval:**
**Terr:** 10

**PO:** CH14536MP **Rel:**
**PO Amt:**

**Transporter Comm:**

**Special Handling Instructions:**

**Date Added:** 01/20/2012 09:37 AM **By:** DAVID_T **Date Modified:** 01/20/2012 10:36 AM **By:** CHARLESD

**WASTE CODES**
NONE

009172909JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number: NJD002175057 | 2. Page 1 of 1 | 3. Emergency Response Phone: 440-937-5950 | 4. Manifest Tracking Number: 009172909 JJK |
|---|---|---|---|---|

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Wayne Disposal
~~Michigan Disposal Waste Treatment Plant~~ M.
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489
U.S. EPA ID Number: MID048090633 ~~MID000724831~~ H.

| Sa. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
Approval # K119161WDI Box# 0311

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera / for KEY - on behalf of SCCC
Signature: Vamsee Veera for KEY - on behalf of SCCC
Month 01 Day 05 Year 2012

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Alan K Bossick
Signature: [signature]
Month 01 Day 05 Year 12
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

| 1. | 2. | 3. | 4. |
|---|---|---|---|
| None | | | |

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Josh Heath
Signature: [signature]
Month 01 Day 20 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

# CERTIFICATE OF DISPOSAL

***FOR MANIFESTED PCB WASTE***

This certificate is to verify the wastes identified as PCB Sold

and specified on Manifest # 609172909 JJK, Line Item 1 has been landfilled on

Jan 20, 2012 in accordance with all local, state and federal regulations by:

## *Wayne Disposal, Inc.*

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: [signature]

**Receipt ID:** 1212822
**Manifest:** 009172911JJK
**Transporter:** FCI
**Customer:** 1327
**Comment:**
**Problem:**

**Date:** 01/05/2012 **Bulk Flag:** ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164 **Truck:** 820
CHEMTRON CORPORATION

**Sched.:** 01/05/2012 18:00
**TOS:** 01/05/2012 17:17

**Status:** Submitted
**Conf#:** 355540
- 01/05/2012 18:10
**Acct Type:** EQ Account

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**Receipt Line:** 1212822-1

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**Transaction** **Approval / Product** **Total #Cont:** 1

Approval K119161WDI **Waste:** NONE Buildings 15, 17, 21 concrete/brick/masonry materi

**Generator:** NJD002175057 STANDARD CHLORINE CHEMICAL CO. **Manifest Unit:** Y YARD

**Treatment:** 1239 NSol-LandDirect-Sub C **Manifest Qty:** 15.000

**Bill Unit:** YARD **Gross:** 74,220 **Treat Mgt:** NONE **Man.Cont.Code:** CM

**Quantity:** 15.000 **Tare:** 36,720 **Generic:** No **Man.Haz.Class:**

**Lab:** Accepted **#Cont:** 1 Bulk **Net:** 37,500 **DDVOC:** 0.00 **Line:** A

**Location:** **TSDF Approval:**

**Billing Project:** 0 Standard Customer Billing **Terr:** 10 **PO:** CH14536MP **Rel:**

**GL Account:** 40122-03-00-350 **PO Amt:**

**Transporter Comm:**

**Special Handling Instructions:**

**Date Added:** 01/05/2012 05:17 PM **By:** JOSH_H **Date Modified:** 01/20/2012 10:57 AM **By:** SA

**WASTE CODES**

NONE

009172911JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number: NJD0002175057 | 2. Page 1 of 1 | 3. Emergency Response Phone: 440-937-5950 | 4. Manifest Tracking Number: 009172911 JJK |
|---|---|---|---|---|

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1825 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 — U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
[illegible] DISPOSAL, INC
[illegible] NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489
U.S. EPA ID Number: MID048090633 ~~MID000724831~~

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | none |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
961) Approval # K119161WDI BOX # 0509

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vanessa Veeria/for KEY - on behalf of SCCC — Signature: Vanessa Veeria for KEY - on behalf of SCCC — Month 01 Day 04 Year 2012

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Alfred Davis — Signature: [signature] — Month 1 Day 4 Year 12
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
corrected section 8 per Michael Perry @ chemtron - TC 1/5/12

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. none. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [signature] — Signature: [signature] — Month 1 Day 5 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172911 5JK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

| | | |
|---|---|---|
| FACILITY NAME: *(Please check one)* | ☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) | ☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633) |
| ADDRESS: | 49350 N. I-94 Service Drive<br>Belleville, Michigan 48111 | |
| PHONE NUMBER: | 1-800-592-5489 | |
| FAX NUMBER: | 1-800-593-5329 | |

Authorized Signature: _____

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

Receipt ID: 1212897
Manifest: 009172912JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/06/2012 Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164 Truck: 868
CHEMTRON CORPORATION

Sched.: 01/06/2012 16:00
TOS: 01/06/2012 15:39

Status: Submitted
Conf#: 355872
- 01/06/2012 17:02
Acct Type: EQ Account

Receipt Line: 1212897-1

Transaction Approval / Product Total #Cont: 1

Approval: K119161WDI Waste: NONE Buildings 15, 17, 21 concrete/brick/masonry materi
Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO.
Treatment: 1239 NSol-LandDirect-Sub C
Bill Unit: YARD Gross: 77,440 Treat Mgt: NONE
Quantity: 30.000 Tare: 38,500 Generic: No
Lab: Accepted #Cont: 1 Bulk Net: 38,940 DDVOC: 0.00

Manifest Unit: Y YARD
Manifest Qty: 15.000
Man.Cont.Code: CM
Man.Haz.Class:
Line: A

Location:
Billing Project: 0 Standard Customer Billing
GL Account: 40122-03-00-350

TSDF Approval:
Terr: 10

PO: CH14536MP Rel:
PO Amt:

Transporter Comm:

Special Handling Instructions:

Date Added: 01/06/2012 03:39 PM By: TANYA_C Date Modified: 01/20/2012 10:57 AM By: SA

WASTE CODES
NONE

009172912JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | NJD0002175057 | 1 | 440-937-5950 | 009172912 JJK |

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032

Generator's Site Address (if different than mailing address)

Generator's Phone: 908-507-1525

6. Transporter 1 Company Name
FIREHOLD CARTAGE, INC. 732-462-1001 U.S. EPA ID Number NJD054126164

7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address
Wayne - [redacted] Disposal [redacted]
[redacted] NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111

Facility's Phone: 800-592-5489 U.S. EPA ID Number MID048090633 [redacted]

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
961) Approval # K119161WDI

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vanessa Veena/for KEY - on behalf of SCCC
Signature: Vanessa Veena for KEY - on behalf of SCCC
Month 01 Day 04 Year 2012

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Brian Pancoast
Signature: [signature]
Month 1 Day 4 Year 11
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
ok to change Facility per Mike Perry w/ Chemtron [initials] 1-6-12
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. none 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: David Tarnacki
Signature: [signature]
Month 1 Day 6 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172912JK have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.*

| | | |
|---|---|---|
| FACILITY NAME: *(Please check one)* | ☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) | ☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633) |
| ADDRESS: | 49350 N. I-94 Service Drive<br>Belleville, Michigan 48111 | |
| PHONE NUMBER: | 1-800-592-5489 | |
| FAX NUMBER: | 1-800-593-5329 | |

Authorized Signature: _____

Receipt ID: 1212741
Manifest: 009172913JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/05/2012 Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164 Truck: 880
CHEMTRON CORPORATION

Sched.: 01/05/2012 07:00
TOS: 01/05/2012 07:31

Status: Submitted
Conf#: 355539
- 01/05/2012 08:23
Acct Type: EQ Account

Receipt Line: 1212741-1

Transaction Approval / Product
Approval K119161WDI Total #Cont: 1
Waste: NONE Buildings 15, 17, 21 concrete/brick/masonry materi
Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO.
Treatment: 1239 NSol-LandDirect-Sub C
Manifest Unit: Y YARD
Bill Unit: YARD Gross: 69,520 Treat Mgt: NONE Manifest Qty: 15.000
Quantity: 15.000 Tare: 37,260 Generic: No Man.Cont.Code: CM
Lab: Accepted #Cont: 1 Bulk Net: 32,260 DDVOC: 0.00 Man.Haz.Class:
Line: A

Location:
Billing Project: 0 Standard Customer Billing
GL Account: 40122-03-00-350
TSDF Approval:
Terr: 10
PO: CH14536MP Rel:
PO Amt:

Transporter Comm:

Special Handling Instructions:

Date Added: 01/05/2012 07:31 AM By: TANYA_C Date Modified: 01/20/2012 10:57 AM By: SA

WASTE CODES
NONE

403725

009172913JJK

880

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NJD0002175057

2. Page 1 of 1

3. Emergency Response Phone: 440-937-5950

4. Manifest Tracking Number: 009172913 JJK

5. Generator's Name and Mailing Address:
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032

Generator's Site Address (if different than mailing address):

Generator's Phone: 908-587-1525

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
Wayne Disposal, Inc.
~~[illegible]~~
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111

Facility's Phone: 800-592-5489

U.S. EPA ID Number: MID048090633 ~~MID000724831~~

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
9b1) Approval # K119161WDI . Bo#9676

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera / For KEY - on behalf of SCCC
Signature: Vamsee Veera / For KEY - on behalf of SCCC
Month 01 Day 04 Year 2012

16. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Transporter signature (for exports only):
Port of entry/exit:
Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: John P Rawson
Signature: John P Rawson
Month 1 Day 4 Year 12

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
changed section 8 per Michael Perry @ Chemtron - TC 1/5/12

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. none. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Michael R Rohde
Signature: [signature]
Month 1 Day 5 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

# CERTIFICATE OF DISPOSAL

***FOR MANIFESTED PCB WASTE***

This certificate is to verify the wastes identified as PCB S.1.1

and specified on Manifest # 009172513 JJK, Line Item 1 has been landfilled on

Jan 5, 2012 in accordance with all local, state and federal regulations by:

## *Wayne Disposal, Inc.*

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: _____

Receipt ID: 1213300
Manifest: 009172895JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/16/2012
Bulk Flag: [✓] Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164
CHEMTRON CORPORATION
Truck: 901

Sched.: 01/16/2012 09:00
TOS: 01/16/2012 11:26

Status: Submitted
Confr: 356840
- 01/16/2012 12:19
Acct Type: EQ Account

Receipt Line: 1213300-1

Transaction: Approval / Product
Approval: K119161WDI
Waste: NONE Buildings 15, 17, 21 concrete/brick/masonry materi
Total #Cont: 1
Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO.
Treatment: 1239 NSol-LandDirect-Sub C
Bill Unit: YARD
Quantity: 22.000
Lab: Accepted
#Cont: 1 Bulk
Gross: 77,240
Tare: 36,800
Net: 40,440
Treat Mgt: NONE
Generic: No
DDVOC: 0.00
Manifest Unit: Y YARD
Manifest Qty: 15.000
Man.Cont.Code: CM
Man.Haz.Class:
Line: A

Location:
Billing Project: 0 Standard Customer Billing
GL Account: 40122-03-00-350
TSDF Approval:
Terr: 10
PO: CH14536MP
PO Amt:
Rel:

Transporter Comm:

Special Handling Instructions:

Date Added: 01/16/2012 11:26 AM By: CHARLESD
Date Modified: 01/20/2012 10:57 AM By: SA

WASTE CODES
NONE

009172895JJK

#901

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |
|---|---|---|---|---|
| | NJD0002175057 | 1 | 440-937-5950 | 009172895 JJK |

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
FREEHOLD CARTAGE, INC. 732-462-1001
U.S. EPA ID Number NJD054126164

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
~~Michigan Disposal Waste Treatment Plant~~ Wayne Disposal MI
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489
U.S. EPA ID Number MID048090633 ~~MID000724831~~ MI

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
9b1) Approval # K119161WOI
Box # 9720

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vanessa Veena for DEY - on behalf of SCCC
Signature: Vanessa Veena for DEY - on behalf SCCC
Month 01 Day 11 Year 2012

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Burns
Signature: Bill Burns
Month 01 Day 11 Year 12
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. none 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Tanya Cowgar
Signature
Month 06 Day 16 Year 12

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #1

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172895JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

| | | |
|---|---|---|
| FACILITY NAME: *(Please check one)* | ☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) | ☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633) |
| ADDRESS: | 49350 N. I-94 Service Drive<br>Belleville, Michigan 48111 | |
| PHONE NUMBER: | 1-800-592-5489 | |
| FAX NUMBER: | 1-800-593-5329 | |

Authorized Signature: _____

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

Receipt ID: 1213661
Manifest: 009172896JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/25/2012
Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164
Truck: 776
CHEMTRON CORPORATION

Sched.: 01/25/2012 08:00
TOS: 01/25/2012 08:00

Status: Submitted
Conf#: 359259
01/25/2012 09:02
Acct Type: EQ Account

Receipt Line: 1213661-1

Transaction Approval / Product
Total #Cont: 1

Approval K119161WDI
Waste: NONE Buildings 15, 17, 21 concrete/brick/masonry materi
Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO.
Manifest Unit: Y YARD
Treatment: 1239 NSol-LandDirect-Sub C
Manifest Qty: 15.000
Bill Unit: YARD Gross: 77,300 Treat Mgt: NONE
Man.Cont.Code: CM
Quantity: 15.000 Tare: 36,420 Generic: No
Man.Haz.Class:
Lab: Accepted #Cont: 1 Bulk Net: 40,880 DDVOC: 0.00
Line: A

Location:
TSDF Approval:
Billing Project: 0 Standard Customer Billing
Terr: 10
PO: CH14536MP
Ref:
GL Account: 40122-03-00-350
PO Amt:

Transporter Comm:

Special Handling Instructions:

Date Added: 01/25/2012 08:00 AM By: TANYA_C
Date Modified: 01/25/2012 09:02 AM By: DAVID_T

WASTE CODES
NONE

009172896JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number: NJD002175057 | 2. Page 1 of 1 | 3. Emergency Response Phone: 440-937-5950 | 4. Manifest Tracking Number: 009172896 JJK |
|---|---|---|---|---|

5. Generator's Name and Mailing Address: Standard Chlorine Chemical Company, 1025 BELLEVILLE TURNPIKE, KEARNY, NJ 07032

Generator's Site Address (if different than mailing address):

Generator's Phone: 908-587-1525

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. — 732-462-1001 — U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Wayne Disposal, ~~Michigan Disposal Waste Treatment Plant~~, 49350 NORTH I-94 SERVICE DRIVE, BELLEVILLE, MI 48111 — 800-592-5489 — U.S. EPA ID Number: MID048090633 ~~MID000724831~~ M

Facility's Phone:

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information: 961) Approval # 12119161 WDI Box # 9847

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b)(3) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veena / For KEY - on behalf of SCCC — Signature: Vamsee Veena / For KEY - on behalf of SCCC — Month 01 Day 11 Year 2012

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:

Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Alan K Bossick — Signature: Alan K Bossick — Month 01 Day 11 Year 12

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

| 1. | 2. | 3. | 4. |
|---|---|---|---|
| none | | | |

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: David Tarnecki — Signature: [signature] — Month 1 Day 25 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172846 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: ☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) ☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633)
*(Please check one)*

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: _____

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

Receipt ID: 1213570
Manifest: 009172897JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/23/2012 Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164 Truck: 894
CHEMTRON CORPORATION

Sched.: 01/23/2012 12:10
TOS: 01/23/2012 09:34

Status: Submitted
Conf#: 358810
- 01/23/2012 10:27
Acct Type: EQ Account

Receipt Line: 1213570-1

Transaction Approval / Product Total #Cont: 1

Approval K119161WDI Waste: NONE Buildings 15, 17, 21 concrete/brick/masonry materi
Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO. Manifest Unit: Y YARD
Treatment: 1239 NSol-LandDirect-Sub C Manifest Qty: 15.000
Bill Unit: YARD Gross: 79,980 Treat Mgt: NONE Man.Cont.Code: CM
Quantity: 30.000 Tare: 37,180 Generic: No Man.Haz.Class:
Lab: Accepted #Cont: 1 Bulk Net: 42,800 DDVOC: 0.00 Line: A

Location:
TSDF Approval:
Billing Project: 0 Standard Customer Billing Terr: 10 PO: CH14536MP Rel:
GL Account: 40122-03-00-350 PO Amt:

Transporter Comm:

Special Handling Instructions:

Date Added: 01/23/2012 09:34 AM By: DAVID_T Date Modified: 01/23/2012 10:27 AM By: CHARLESD

WASTE CODES
NONE

009172897JJK

894

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number: NJD002175057 | 2. Page 1 of 1 | 3. Emergency Response Phone: 440-937-5950 | 4. Manifest Tracking Number: 009172897 JJK |
|---|---|---|---|---|

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address
~~Michigan Disposal Waste Treatment Plant~~ WAYNE DISP. MI.
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489

U.S. EPA ID Number: MID049090633 ~~MID000724831~~ MI.

| 9a. Hld | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
961) Approval # K119161 WOI
Box # 0734

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera for KEY - on behalf of SCCC
Signature: Vamsee Veera for KEY - on behalf of SCCC
Month 01 Day 10 Year 2012

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Ralph Gargaloni
Signature: Ralph Gargaloni
Month 01 Day 10 Year 12
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. None 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Josh Heath
Signature:
Month 01 Day 23 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Receipt ID: 1213187
Manifest: 009172898JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/11/2012
Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164
Truck: 879
CHEMTRON CORPORATION

Sched.: 01/11/2012 11:00
TOS: 01/11/2012 11:09

Status: Submitted
Conf#: 356324
- 01/11/2012 12:09
Acct Type: EQ Account

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Receipt Line: 1213187-1

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Transaction: Approval / Product — Total #Cont: 1

Approval: K119181WDI — Waste: NONE Buildings 15, 17, 21 concrete/brick/masonry materi

Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO. — Manifest Unit: Y — YARD

Treatment: 1239 NSol-LandDirect-Sub C — Manifest Qty: 15.000

Bill Unit: YARD — Gross: 81,260 — Treat Mgt: NONE — Man.Cont.Code: CM

Quantity: 15.000 — Tare: 42,800 — Generic: No — Man.Haz.Class:

Lab: Accepted — #Cont: 1 Bulk — Net: 38,460 — DDVOC: 0.00 — Line: A

Location:
TSDF Approval:
Billing Project: 0 Standard Customer Billing — Terr: 10 — PO: CH14536MP — Rel:
GL Account: 40122-03-00-350 — PO Amt:

Transporter Comm:

Special Handling Instructions:

Date Added: 01/11/2012 11:09 AM — By: TANYA_C — Date Modified: 01/20/2012 10:57 AM — By: SA

WASTE CODES

NONE

009172898JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number: NJD0002175057 | 2. Page 1 of 1 | 3. Emergency Response Phone: 440-937-5950 | 4. Manifest Tracking Number: 009172898 JJK |
|---|---|---|---|---|

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525
Generator's Site Address (if different than mailing address):

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Wayne Disposal
~~Michigan Disposal Waste Treatment Plant~~
~~49350 NORTH I-94 SERVICE DRIVE~~
BELLEVILLE, MI 48111
Facility's Phone: 808-592-5489
U.S. EPA ID Number: MID048090633 ~~MID000724831~~

| 9a. HM | 9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
961) Approval # K119161 WDI
Box # 9439

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.
Generator's/Offeror's Printed/Typed Name: Vamsee Veera / for KEY - on behalf of SCCC
Signature: Vamsee Veera for KEY - on behalf of SCCC
Month 01 Day 10 Year 2012

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Ronnie Schlechtweg
Signature: [signature]
Month 01 Day 10 Year 2012
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. None. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Josh [signature]
Signature: [signature]
Month 01 Day 11 Year 12

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172898 JJC

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

| | | |
|---|---|---|
| FACILITY NAME: *(Please check one)* | ☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) | ☒ Wayne Disposal, Inc. (EPA I.D. # MID048094633) |
| ADDRESS: | 49350 N. I-94 Service Drive<br>Belleville, Michigan 48111 | |
| PHONE NUMBER: | 1-800-592-5489 | |
| FAX NUMBER: | 1-800-593-5329 | |

Authorized Signature: _____

Receipt ID: 1213571
Manifest: 009172900JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/23/2012 Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164 Truck: 776
CHEMTRON CORPORATION

Sched.: 01/23/2012 12:20
TOS: 01/23/2012 09:40

Status: Submitted
Conf#: 358811
- 01/23/2012 10:32
Acct Type: EQ Account

---

**Receipt Line:** 1213571-1

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**Transaction** **Approval / Product** **Total #Cont: 1**

Approval K119161WDI **Waste:** NONE Buildings 15, 17, 21 concrete/brick/masonry materi

**Generator:** NJD002175057 STANDARD CHLORINE CHEMICAL CO. **Manifest Unit:** Y YARD

**Treatment:** 1239 NSol-LandDirect-Sub C **Manifest Qty:** 15.000

**Bill Unit:** YARD **Gross:** 74,800 **Treat Mgt:** NONE **Man.Cont.Code:** DT

**Quantity:** 15.000 **Tare:** 37,580 **Generic:** No **Man.Haz.Class:**

**Lab: Accepted** **#Cont:** 1 Bulk **Net:** 37,220 **DDVOC:** 0.00 **Line:** A

**Location:** **TSDF Approval:**

**Billing Project:** 0 Standard Customer Billing **Terr:** 10 **PO:** CH14536MP **Ref:**

**GL Account:** 40122-03-00-350 **PO Amt:**

**Transporter Comm:**

**Special Handling Instructions:**

**Date Added:** 01/23/2012 09:40 AM **By:** DAVID_T **Date Modified:** 01/23/2012 10:32 AM **By:** TANYA_C

**WASTE CODES**

NONE

009172900JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number NJD002175057 | 2. Page 1 of 1 | 3. Emergency Response Phone 440-937-5950 | 4. Manifest Tracking Number 009172900 JJK |
|---|---|---|---|---|

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1523 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-587-1523

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. — 732-462-1001 — U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Michigan Disposal Waste Treatment Plant (Wayne Disposal)
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489
U.S. EPA ID Number: MID048848633 ~~MID000724831~~

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
Approval # K119161 WDI
Decal # 02285 Box # 9550

15. GENERATOR/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.
Generator's/Offeror's Printed/Typed Name: Vamsee Veera for KEY - on behalf of SCCC — Signature: Vamsee Veera for KEY - on behalf of SCCC — Month 01 Day 10 Year 2012

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit: — Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Alan K Bossick — Signature: [signature] — Month 01 Day 10 Year 12
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. None 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Josh Hart — Signature: [signature] — Month 10 Day 23 Year 12

GENERATOR — INTL — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Receipt ID: 1213130
Manifest: 009172901JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/10/2012
Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164
Truck: 894
CHEMTRON CORPORATION

Sched.: 01/10/2012 12:00
TOS: 01/10/2012 12:02

Status: Submitted
Conf#: 356017
- 01/10/2012 12:39
Acct Type: EQ Account

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Receipt Line: 1213130-1

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Transaction Approval / Product Total #Cont: 1

Approval K119161WDI Waste: NONE Buildings 15, 17, 21 concrete/brick/masonry materi

Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO. Manifest Unit: Y YARD

Treatment: 1239 NSol-LandDirect-Sub C Manifest Qty: 15.000

Bill Unit: YARD Gross: 70,680 Treat Mgt: NONE Man.Cont.Code: CM

Quantity: 22.000 Tare: 36,080 Generic: No Man.Haz.Class:

Lab: Accepted #Cont: 1 Bulk Net: 34,600 DDVOC: 0.00 Line: A

Location: TSDF Approval:

Billing Project: 0 Standard Customer Billing Terr: 10 PO: CH14536MP Rel:

GL Account: 40122-03-00-350 PO Amt:

Transporter Comm:

Special Handling Instructions:

Date Added: 01/10/2012 12:02 PM By: TANYA_C Date Modified: 01/20/2012 10:57 AM By: SA

WASTE CODES

NONE

009172901JJK

894

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number NJD002175057 | 2. Page 1 of 1 | 3. Emergency Response Phone 440-937-5950 | 4. Manifest Tracking Number 009172901 JJK |
|---|---|---|---|---|

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-307-1525

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Wayne Disposal
~~Michigan Disposal Waste Treatment Plant~~
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489
U.S. EPA ID Number: MID048090633 ~~MID000724831~~ MP

| Sp. Hld | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM Mud | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
961) Approval # K119161WDI
Box # 0030

15. GENERATOR/SHIPPER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Officer's Printed/Typed Name: Vanessa Veera/for KEY - on behalf of SCCC
Signature: Vanessa Veera for KEY - on behalf of SCCC
Month 01 Day 09 Year 2012

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: MARC Snyder
Signature: [signature]
Month 1 Day 9 Year 12

Transporter 2 Printed/Typed Name: Signature: Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

19b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

19c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. none. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Tanya Cowgar
Signature: [signature]
Month 01 Day 10 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Receipt ID: 1214015
Manifest: 009172903JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 02/03/2012 Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164 Truck: 776
CHEMTRON CORPORATION

Sched.: 02/03/2012 07:00
TOS: 02/03/2012 08:23

Status: Submitted
Conf#: 360171
- 02/03/2012 09:21
Acct Type: EQ Account

Receipt Line: 1214015-1

Transaction Approval / Product
Approval K119161WDI
Total #Cont: 1
Waste: NONE Buildings 15, 17, 21 concrete/brick/masonry materi
Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO.
Treatment: 1239 NSol-LandDirect-Sub C
Bill Unit: YARD
Quantity: 15.000
Lab: Accepted #Cont: 1 Bulk
Gross: 67,960
Tare: 36,640
Net: 31,320
Treat Mgt: NONE
Generic: No
DDVOC: 0.00
Manifest Unit: Y YARD
Manifest Qty: 15.000
Man.Cont.Code: CM
Man.Haz.Class:
Line: A

Location:
Billing Project: 0 Standard Customer Billing
GL Account: 40122-03-00-350
TSDF Approval:
Terr: 10
PO: CH14536MP
PO Amt:
Rel:

Transporter Comm:

Special Handling Instructions:

Date Added: 02/03/2012 08:23 AM By: DAVID_T
Date Modified: 02/03/2012 11:06 AM By: MARK_W

WASTE CODES
NONE

009172903JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NJD002175057

2. Page 1 of 1

3. Emergency Response Phone: 440-937-5950

4. Manifest Tracking Number: 009172903 JJK

5. Generator's Name and Mailing Address:
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032

Generator's Site Address (if different than mailing address):

Generator's Phone: 908-597-1523

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
Michigan Disposal Waste Treatment Plant Wayne Disposal W.
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111

Facility's Phone: 800-592-5489 U.S. EPA ID Number: MID048090633 ~~MID000724831~~ W.

| Ba. Hbl | Ib. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information:
9b1) Approval #K119161WDI
Box # 0523

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera/ For KEY - on behalf of SCCC Signature: Vamsee Veera For KEY - on behalf of SCCC Month 01 Day 09 Year 2012

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Alan K Boesick Signature: [signature] Month 01 Day 09 Year 12
Transporter 2 Printed/Typed Name: Signature: Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

18b. Alternate Facility (or Generator) Manifest Reference Number:
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. None 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [signature] Signature: [signature] Month 02 Day 09 Year 12

GENERATOR / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Receipt ID: 1213891
Manifest: 009172904JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 02/01/2012
Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164
Truck: 868
CHEMTRON CORPORATION

Sched.: 02/01/2012 07:00
TOS: 02/01/2012 08:15

Status: Submitted
Conf#: 359846
02/01/2012 09:46
Acct Type: EQ Account

Receipt Line: 1213891-1

| Transaction | Approval / Product | | | | | | |
|---|---|---|---|---|---|---|---|
| Approval | K119161WDI | | | | Total #Cont: 1 | | |
| | Generator: NJD002175057 | Waste: NONE | Buildings 15, 17, 21 concrete/brick/masonry materi | | | | |
| | Treatment: 1239 NSol-LandDirect-Sub C | | STANDARD CHLORINE CHEMICAL CO. | | Manifest Unit: Y | YARD | |
| | Bill Unit: YARD | Gross: | 73,440 | Treat Mgt: NONE | Manifest Qty: | 15.000 | |
| | Quantity: 15.000 | Tare: | 37,520 | Generic: No | Man.Cont.Code: CM | | |
| Lab: Accepted | #Cont: 1 Bulk | Net: | 35,920 | DDVOC: 0.00 | Man.Haz.Class: | | |
| | | | | | Line: A | | |

Location:
Billing Project: 0 Standard Customer Billing
GL Account: 40122-03-00-350

TSDF Approval:
Terr: 10

PO: CH14536MP
PO Amt:

Rel:

Transporter Comm:

Special Handling Instructions:

Date Added: 02/01/2012 08:15 AM By: CHARLESD Date Modified: 02/01/2012 10:16 AM By: MARK_W

WASTE CODES
NONE

009172904JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NJD0002175057

2. Page 1 of 1

3. Emergency Response Phone: 440-937-5950

4. Manifest Tracking Number: 009172904 JJK

5. Generator's Name and Mailing Address: ~~[illegible]~~ Standard Chemical Co.
~~[illegible]~~
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032

Generator's Site Address (if different than mailing address)

Generator's Phone: 908-507-1525

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address: ~~[illegible]~~ Wayne Disposal
~~[illegible]~~ WD
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111

Facility's Phone: 800-592-5489

U.S. EPA ID Number: MID048090633 ~~[illegible]~~ WD

| No. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | NONE |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
Approval # K119161 WDI
Box # 9956

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vannee Veera for KEY - on behalf of SCCC
Signature: Vannee Veera for KEY - on behalf of SCCC
Month 01 Day 06 Year 2012

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Cosmo F. Aversa JR
Signature: [signature]
Month 01 Day 06 Year 12

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

18b. Alternate Facility (or Generator) Manifest Reference Number:
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. NONE 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Josh [illegible]
Signature: [signature]
Month 01 Day 01 Year 12

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Receipt ID: 1212995
Manifest: 009172905JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/09/2012
Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164
Truck: 776
CHEMTRON CORPORATION

Sched.: 01/09/2012 12:00
TOS: 01/09/2012 10:48

Status: Submitted
Confl#: 356016
- 01/09/2012 11:56
Acct Type: EQ Account

Receipt Line: 1212995-1

Transaction Approval / Product
Approval K119161WDI
Total #Cont: 1
Waste: NONE Buildings 15, 17, 21 concrete/brick/masonry materl
Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO.
Treatment: 1239 NSol-LandDirect-Sub C
Bill Unit: YARD
Quantity: 17.000
Lab: Accepted
#Cont: 1 Bulk
Gross: 74,520
Tare: 36,760
Net: 37,760
Treat Mgt: NONE
Generic: No
DDVOC: 0.00
Manifest Unit: Y YARD
Manifest Qty: 15.000
Man.Cont.Code: CM
Man.Haz.Class:
Line: A

Location:
Billing Project: 0 Standard Customer Billing
GL Account: 40122-03-00-350
TSDF Approval:
Terr: 10
PO: CH14536MP
PO Amt:
Rel:

Transporter Comm:

Special Handling Instructions:

Date Added: 01/09/2012 10:48 AM By: TANYA_C
Date Modified: 01/20/2012 10:57 AM By: SA

WASTE CODES
NONE

009172905JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number: NJD0002175057 | 2. Page 1 of 1 | 3. Emergency Response Phone: 440-937-5950 | 4. Manifest Tracking Number: 009172905 JJK |
|---|---|---|---|---|

5. Generator's Name and Mailing Address:
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-597-1525

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Wayne Disposal MI
Michigan Disposal Waste Treatment Plant
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489 U.S. EPA ID Number: MID048090633 - MID000724831 MI

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 0 01 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information:
Approval # K119161 WDI
Box # 9922

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera / For KEY - on behalf of SCCC
Signature: Vamsee Veera / For KEY - on behalf of SCCC
Month 01 Day 06 Year 2012

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: LARRY GUMBERLING
Signature: Larry Gumberling
Month 1 Day 6 Year 12
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. None. 2. 3. 4.

20. Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Tanya Cowdar
Signature:
Month 01 Day 09 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Receipt ID: 1213216
Manifest: 009172906JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/11/2012 Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164 Truck: 796
CHEMTRON CORPORATION

Sched.: 01/11/2012 16:50
TOS: 01/11/2012 15:46

Status: Submitted
Conf#: 358325
- 01/11/2012 16:51
Acct Type: EQ Account

Receipt Line: 1213216-1

Transaction Approval / Product Total #Cont: 1

Approval K119161WDI Waste: NONE Buildings 15, 17, 21 concrete/brick/masonry materi
Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO. Manifest Unit: Y YARD
Treatment: 1239 NSol-LandDirect-Sub C Manifest Qty: 15.000
Bill Unit: YARD Gross: 70,840 Treat Mgt: NONE Man.Cont.Code: CM
Quantity: 15.000 Tare: 37,400 Generic: No Man.Haz.Class:
Lab: Accepted #Cont: 1 Bulk Net: 33,440 DDVOC: 0.00 Line: A

Location:
TSDF Approval:
Billing Project: 0 Standard Customer Billing Terr: 10 PO: CH14536MP Rel:
GL Account: 40122-03-00-350 PO Amt:

Transporter Comm:

Special Handling Instructions:

Date Added: 01/11/2012 03:46 PM By: JOSH_H Date Modified: 01/20/2012 10:57 AM By: SA

WASTE CODES
NONE

009172906JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number: NJD0002175057 | 2. Page 1 of 1 | 3. Emergency Response Phone: 440-937-5950 | 4. Manifest Tracking Number: 009172906 JJK |
|---|---|---|---|---|

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032
Generator's Phone: 908-507-1525

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001 — U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
~~[illegible]~~ Disposal ~~[illegible]~~ Inc.
49350 NORTH I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: 800-592-5489
U.S. EPA ID Number: MID048090633 ~~[illegible]~~ MI

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
961) Approval # K119161WOI
Box # 9765 Decal # 01506

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera/For KEY - on behalf of SCCC — Signature: Vamsee Veera For KEY - on behalf of SCCC — Month 01 Day 06 Year 2012

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Alan K Bresich — Signature: [signature] — Month 01 Day 06 Year 12
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. None 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Charles Swope — Signature: [signature] — Month 1 Day 11 Year 12

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Receipt ID: 1213234
Manifest: 009172907JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/12/2012
Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164
Truck: 880
CHEMTRON CORPORATION

Sched.: 01/12/2012 08:00
TOS: 01/12/2012 07:53

Status: Submitted
Conf#: 356401
01/12/2012 09:49
Acct Type: EQ Account

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Receipt Line: 1213234-1

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Transaction: Approval / Product
Total #Cont: 1

Approval: K119161WDI
Waste: NONE Buildings 15, 17, 21 concrete/brick/masonry materi
Generator: NJD002175057 STANDARD CHLORINE CHEMICAL CO.
Manifest Unit: Y YARD
Treatment: 1239 NSol-LandDirect-Sub C
Manifest Qty: 15.000
Bill Unit: YARD
Gross: 74,700
Treat Mgt: NONE
Man.Cont.Code: CM
Quantity: 15.000
Tare: 36,420
Generic: No
Man.Haz.Class:
Lab: Accepted
#Cont: 1 Bulk
Net: 38,280
DDVOC: 0.00
Line: A

Location:
TSDF Approval:
Billing Project: 0 Standard Customer Billing
Terr: 10
PO: CH14536MP
Rel:
GL Account: 40122-03-00-350
PO Amt:

Transporter Comm:

Special Handling Instructions:

Date Added: 01/12/2012 07:53 AM
By: TANYA_C
Date Modified: 01/20/2012 10:57 AM
By: SA

WASTE CODES

NONE

009172907JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST | 1. Generator ID Number: NJD0002175057 | 2. Page 1 of 1 | 3. Emergency Response Phone: 440-937-5950 | 4. Manifest Tracking Number: 009172907 JJK |
|---|---|---|---|---|

5. Generator's Name and Mailing Address: Standard Chlorine Chemical Company, 1085 BELLEVILLE TURNPIKE, KEARNY, NJ 07032

Generator's Site Address (if different than mailing address):

Generator's Phone: 908-587-1525

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. — 732-462-1001 — U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: ~~Michigan Disposal Waste Treatment Plant~~ Wayne Disposal, 49350 NORTH I-94 SERVICE DRIVE, BELLEVILLE, MI 48111 — 800-592-5489 — U.S. EPA ID Number: ~~MID000724831~~ 048090633

Facility's Phone:

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information

96D Approval# K119161 WDI

Box # 9538

15. GENERATOR/SHIPPER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera / For KEY - on behalf of SCCC — Signature: Vamsee Veera / For KEY - on behalf of SCCC — Month 01 Day 05 Year 2012

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Dennis Higgins — Signature: [signature] — Month 01 Day 05 Year 12

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

| 1. | 2. | 3. | 4. |
|---|---|---|---|
| None | | | |

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: David Tarnelli — Signature: [signature] — Month 1 Day 12 Year 12

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Receipt ID: 1213280
Manifest: 009172908JJK
Transporter: FCI
Customer: 1327
Comment:
Problem:

Date: 01/13/2012 Bulk Flag: ☑ Bulk
● MAN ○ BOL ○ COM ○ Transfer
NJD054126164 Truck: 776
CHEMTRON CORPORATION

Sched.: 01/13/2012 11:00
TOS: 01/13/2012 11:18

Status: Submitted
Conf#: 356711
- 01/13/2012 12:08
Acct Type: EQ Account

---

**Receipt Line:** 1213280-1

---

**Transaction** **Approval / Product** **Total #Cont: 1**

Approval K119161WDI **Waste:** NONE Buildings 15, 17, 21 concrete/brick/masonry materi

**Generator:** NJD002175057 STANDARD CHLORINE CHEMICAL CO. **Manifest Unit:** Y YARD

**Treatment:** 1239 NSol-LandDirect-Sub C **Manifest Qty:** 15.000

**Bill Unit:** YARD **Gross:** 64,660 **Treat Mgt:** NONE **Man.Cont.Code:** CM

**Quantity:** 15.000 **Tare:** 37,180 **Generic:** No **Man.Haz.Class:**

**Lab: Accepted** **#Cont:** 1 Bulk **Net:** 27,480 **DDVOC:** 0.00 **Line:** A

**Location:** **TSDF Approval:**

**Billing Project:** 0 Standard Customer Billing **Terr:** 10 **PO:** CH14536MP **Rel:**

**GL Account:** 40122-03-00-350 **PO Amt:**

**Transporter Comm:**

**Special Handling Instructions:**

**Date Added:** 01/13/2012 11:18 AM **By:** JOSH_H **Date Modified:** 01/20/2012 10:57 AM **By:** SA

**WASTE CODES**

NONE

009172908JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD002175057
2. Page 1 of: 1
3. Emergency Response Phone: 440-937-5950
4. Manifest Tracking Number: 009172908 JJK

5. Generator's Name and Mailing Address: Standard Chlorine Chemical Company, 1005 BELLEVILLE TURNPIKE, KEARNY, NJ 07032

Generator's Site Address (if different than mailing address):

Generator's Phone: 908-507-1325

6. Transporter 1 Company Name: FERROLD CARTAGE, INC. — 732-462-1001 — U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Wayne Disposal, 49350 NORTH I-94 SERVICE DRIVE, BELLEVILLE, MI 48111 — U.S. EPA ID Number: MID048090633

Facility's Phone: 800-592-5489

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| | 1. NON HAZARDOUS NON REGULATED MATERIAL (CONCRETE, BRICK, MASONRY) | 001 | CM | 015 | Y | |
| | 2. | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information

Approval # K119161 WDI

Box # 0403

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veeta / for KEY - on behalf of SCCC — Signature: Vamsee Veeta / for KEY - on behalf of SCCC — Month 01 Day 05 Year 2012

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit:

Transporter signature (for exports only): — Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Burns — Signature: Bill Burns — Month 01 Day 05 Year 12

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator): — U.S. EPA ID Number:

Facility's Phone:

18c. Signature of Alternate Facility (or Generator): — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. None 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Josh Heath — Signature: [signature] — Month 01 Day 13 Year 12

GENERATOR — INTL — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172908 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

| | | |
|---|---|---|
| FACILITY NAME: *(Please check one)* | ☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) | ☑ Wayne Disposal, Inc. (EPA I.D. # MID048090633) |
| ADDRESS: | 49350 N. I-94 Service Drive<br>Belleville, Michigan 48111 | |
| PHONE NUMBER: | 1-800-592-5489 | |
| FAX NUMBER: | 1-800-593-5329 | |

Authorized Signature: _____

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111



The electronic version of this document is the controlled version. Each user is responsible for ensuring that any document being used is the current version.

009069082JJK

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD002175057
2. Page 1 of 1
3. Emergency Response Phone: 440-937-5950
4. Waste Tracking Number: 31312-02

5. Generator's Name and Mailing Address
Standard Chlorine Chemical Company
1025 Belleville Turnpike
KEARNY, NJ 07032
Generator's Phone: 908-507-1525
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
FREEHOLD CARTAGE, INC. 732-462-1001
U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Michigan Disposal Waste Treatment Plant
49350 NORTH I-94 SERVICE DRIVE
BELLVILLE, MI 48111
Facility's Phone: 800-592-5489
U.S. EPA ID Number: MID000724831

| 9. Waste Shipping Name and Description | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. |
|---|---|---|---|---|
| 1. ~~NON HAZARDOUS NON RCRA MATERIAL (SUMP LIQUIDS)~~ | ~~010~~ | ~~DM~~ | ~~500~~ | ~~G~~ |
| 2. ~~Non Hazardous Non RCRA Material (Tank 16W Solids)~~ | ~~003~~ | ~~DM~~ | ~~150~~ | ~~G~~ |
| 3. ~~Non Hazardous Non RCRA Material (Sump Liquids)~~ | ~~001~~ | ~~DF~~ | ~~50~~ ~~500~~ | ~~G~~ |
| 4. | | | | |

13. Special Handling Instructions and Additional Information
1.) MPPL: K119175MDI
2) Appl # C129070WDI
3) Appl: K119175MDI

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.
Generator's/Offeror's Printed/Typed Name: Jason Perretti on behalf of SCCC
Signature: on behalf of SCCC
Month 3 Day 13 Year 12

15. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter Signature (for exports only):
Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Ronald Rom
Signature:
Month 3 Day 13 Year 12
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☒ Partial Rejection ☐ Full Rejection
Lines 1 + 3 rejected to 009069082JJK - Line 2 rejected to 009069083JJK per Mike Perry @ Chemtron
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name
Signature
Month Day Year

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLS-C 6 10497 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

009069082JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD 002 175 057
2. Page 1 of: 1
3. Emergency Response Phone: (440) 937-5950
4. Manifest Tracking Number: 009069082 JJK

5. Generator's Name and Mailing Address: STANDARD CHLORINE CHEMICAL
C/O KEY ENVIRONMENTAL
200 THIRD AVENUE
CARNEGIE, PA 15106
Generator's Phone: (908) 507-5950

Generator's Site Address (if different than mailing address):
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032

6. Transporter 1 Company Name: Ecu hold
U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PI
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 000 724 831

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No | 10. Containers Type | 11. Total Quantity | 12. Unit Wt/Vol | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1NON-REGULATED NON RCRA MATERIAL (SUMP LIQUIDS) | 010 | DM | 00500 | G | D29L |
| X | 2NON-REGULATED NON RCRA MATERIAL (SUMP LIQUIDS) | 001 | DF | 00050 | G | D29L |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
01. K119175MDI / Building 17 & 18 Sump Contents <-Rejected from NHManifest 31312-02 Line 1 ok per Mike Perry @ Chemtron
02. K119175MDI / Building 17 & 18 Sump Contents <-Rejected from NHManifest 31312-02 Line 3

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: John Gobrowski
Signature:
Month Day Year: 07 14 10

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter signature (for exports only):
Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Signature: Month Day Year
Transporter 2 Printed/Typed Name: Signature: Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator): Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. LIW 2. LIW 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Josh Hecht
Signature:
Month Day Year: 03 14 10

GENERATOR
TRANSPORTER
INT'L
DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #3

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009069082 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.*

FACILITY NAME: *(Please check one)*

☒ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: Mark Wade

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

009069083JJK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD 002 175 057
2. Page 1 of: 1
3. Emergency Response Phone: (440) 937-5950
4. Manifest Tracking Number: 009069083 JJK

5. Generator's Name and Mailing Address: STANDARD CHLORINE CHEMICAL
C/O KEY ENVIRONMENTAL
200 THIRD AVENUE
CARNEGIE, PA 15108
Generator's Phone: (908) 507-1525

Generator's Site Address (if different than mailing address):
1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032

6. Transporter 1 Company Name: Freehold Cartage, INC. (732) 462-1001
U.S. EPA ID Number: NJD 054126164

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC SITE 2 LANDFILL
49350 N I-94 SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (800) 592-5489
U.S. EPA ID Number: MID 048 090 633

| 9a. HM | 9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| * | 1NON-REGULATED NON RCRA MATERIAL (TANK 18W SOLIDS) | 003 | DM | 00150 | G | |
| | 2 | | | | | |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
1. C129070WDI / Building 17 & 18 Sump Contents- Solids <-Rejected from NHManifest 31312-02 per Mike Perry @ Chemtron

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: John Babrowski
Signature:
Month Day Year: 03 14 12

16. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Transporter signature (for exports only):
Port of entry/exit:
Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Ronald Rae
Signature:
Month Day Year: 3 14 12
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. NONE
2.
3.
4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Josh Hart
Signature:
Month Day Year: 03 14 12

Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009068083 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: *(Please check one)*

☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: Mark Wahr

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD 002175057
2. Page 1 of 1
3. Emergency Response Phone: (877) 818-0087
4. Manifest Tracking Number: 001169916 JJK

**GENERATOR**

5. Generator's Name and Mailing Address: Standard Chlorine Chemical Company, Inc. 1035 Belleville Turnpike, Kearny, NJ 07032
Generator's Phone: (440) 937-6348
Generator's Site Address (if different than mailing address): same

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC.
U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Veolia ES Technical Solutions, 1 Eden Ln., Flanders, NJ 07836
Facility's Phone: (973) 347-7111
U.S. EPA ID Number: NJD980536593

| 9a. HM | 9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. RQ Waste Solids Containing Flammable Liquid, nos (Dichlorobenzene) (Polychlorinated Biphenyls), 4.1, UN3175, II (K085, D001, D021) | 010 | DF | 2000 | K | K085 D001 D021 D027 |
| X | 2. RQ Waste, Solids Containing Flammable liquids, N.O.S., 4.1, UN3175, PG II (Dichlorobenzene) (Poly Chlorinated Biphenyls) (K085, D001, D021) | 023 | DM | 4600 | K | K085 D001 D021 D027 |
| | 3. | | | | | |
| | 4. | | | | | |

14. Special Handling Instructions and Additional Information
961) ERG# 133 Approval # 269441/PTA 269441
962) ERG# 133 Approval # 269441/PTA 269441
Lines 1 & 2 Out of Service Date: 3/12/12

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera/For KEY - on behalf of SCCC
Signature: Vamsee Veera For KEY - on behalf of SCCC
Month 03 Day 12 Year 12

**INT'L**

16. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter signature (for exports only):
Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Michael Brochan
Signature:
Month 03 Day 12 Year 12
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

**DESIGNATED FACILITY**

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. H141 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: NICK ORTEGA
Signature:
Month 3 Day 12 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

**DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)**

**Land Disposal Restriction Notification Form**

Generator name **STANDARD CHLORINE CHEMICAL**

EPA ID number **NJD002175057** Manifest ~~000532909VES~~ NJ, 001169916 JJK

This notice is being provided in accordance with 40 CFR 268.7 to inform you that this shipment contains waste restricted from land disposal by the USEPA under the land disposal restriction program. Identified below for each container is the designation of the waste as a wastewater or non-wastewater, the Clean Water Act (CWA) permit status associated with the treatment/disposal facility, applicable waste codes and any corresponding subcategories, list of any F001-F005 solvent constituents that are present in the waste, and any underlying hazardous constituents (UHC) that are present.

Container Number: **35-1557834000-001 ( 1/ 1)**

| | |
|---|---|
| WIP/Approval Code: | **269439/PTA269439** |
| Form designation/CWA Status: | **Non-wastewater / Non-CWA** |
| Waste codes(subcategories): | **K085, D001(IGNITABLE CHARACTERISTIC WASTE, LIQUIDS >= 10% TOC PER 261.21(a)(1)), D021, D027** |
| Constituents (F001-F005): | **None** |
| UHCs Present: | **4570-4570 PPM CHLORINATED BIPHENYL (SHIPMENT BY HIGHWAY)** |
| Treatment requirements: | **Restricted waste requires treatment to applicable standards.** |
| Additional Notices: | **None** |

Container Number: **35-1557834000-002 ( 1/ 2)**

| | |
|---|---|
| WIP/Approval Code: | **269441/PTA269441** |
| Form designation/CWA Status: | **Non-wastewater / Non-CWA** |
| Waste codes(subcategories): | **K085, D001(IGNITABLE CHARACTERISTIC WASTE, OTHER THAN LIQUIDS >=10% TOC(INCLUDES ALL IGN. GASES, FLAMMABLE SOLIDS & OXIDIZERS)), D021, D027** |
| Constituents (F001-F005): | **None** |
| UHCs Present: | **4570-4570 PPM CHLORINATED BIPHENYL (SHIPMENT BY HIGHWAY)** |
| Treatment requirements: | **Restricted waste requires treatment to applicable standards.** |
| Additional Notices: | **None** |

Container Number: ~~**35-1557834000-003 ( 1/ 3)**~~

| | |
|---|---|
| WIP/Approval Code: | ~~**148826/PTAVES071**~~ |
| Form designation/CWA Status: | ~~**Non-wastewater / Non-CWA**~~ |
| Waste codes(subcategories): | ~~**D007, D008(NONE), D018, D021, D023, D024, D025, D026, D027, D032, D039, D040**~~ |
| Constituents (F001-F005): | **None** |
| UHCs Present: | **0-100 PPM BENZO(A)PYRENE**<br>**0-25 PPM 2,3,7,8- TCDD (TETRACHLORODIBENZODIOXIN)**<br>**.02-.1% POLYCHLORINATED BIPHENYLS** |
| Treatment requirements: | **Restricted waste requires treatment to applicable standards.** |
| Additional Notices: | **None** |

I hearby certify that all information in this and associated land disposal restriction documents is complete and accurate to the best of my knowledge and information.

Signature Vanwelena For KEY - on behalf of SCCC

Title Proj. Engg. Date 03/12/12

671411

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD980536593
2. Page 1 of 2
3. Emergency Response Phone: (877) 818-0087
4. Manifest Tracking Number: 000679503 VES

**GENERATOR**

5. Generator's Name and Mailing Address
VEOLIA ES TECHNICAL SOLUTIONS L.L.C.
1 EDEN LANE
FLANDERS, NJ 07836
Generator's Phone: (973) 347-7111

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: FREEHOLD CARTAGE INC
U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
VEOLIA ES TECHNICAL SOLUTIONS
HIGHWAY 73, 3.5 MILES W. OF TAYLOR'S BAYOU, PORT ARTHUR, TX 77640
Facility's Phone: (409) 736-2821
U.S. EPA ID Number: TXD000838896

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
|---|---|---|---|---|---|---|
| X | 1. UN3175, WASTE SOLIDS CONTAINING FLAMMABLE LIQUID, n.o.s. (DICHLOROBENZENE) (POLYCHLORINATED BIPHENYLS), 4.1, II, RQ (K085, | 10 | DF | 2,000 | K | K085 D001 D021 D027 OUTS200H |
| | 2. D001, D021) | | | | | |
| X | 3. UN3175, WASTE SOLIDS CONTAINING FLAMMABLE LIQUID, n.o.s. (DICHLOROBENZENE) (POLYCHLORINATED BIPHENYLS), 4.1, II, RQ (K085, | 23 | DM | 4,600 | K | K085 D001 D021 D027 OUTS200H |
| | 4. D001, D021) | | | | | |

14. Special Handling Instructions and Additional Information
1) PTA269441 3) PTA269441
#000679503VES
FCI #4819 LINE 1 & LINE 3 OUT OF SERVICE DATE: 3/12/12

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: JILL TEED
Signature: Jill Teed
Month Day Year: 03 20 12

**INT'L**

16. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter signature (for exports only):
Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JAMES BLACKETT
Signature: James Blackett
Month Day Year: 03 20 12
Transporter 2 Printed/Typed Name
Signature
Month Day Year

**DESIGNATED FACILITY**

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H040 2. 3. H040 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Krystal Dugas
Signature: Krystal Dugas
Month Day Year: 3 23 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

**DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet) | 21. Generator ID Number NJD980536593 | 22. Page 2 OF 2 | 23. Manifest Tracking Number 000679503VES |
|---|---|---|---|

24. Generator's Name VEOLIA ES TECHNICAL SOLUTIONS L.L.C.

25. Transporter _____ Company Name — U.S. EPA ID Number

26. Transporter _____ Company Name — U.S. EPA ID Number

| 27a. HM | 27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 28. Containers No. | 28. Containers Type | 29. Total Quantity | 30. Unit Wt./Vol. | 31. Waste Codes | | |
|---|---|---|---|---|---|---|---|---|
| X | 5. NA3077, HAZARDOUS WASTE, SOLID, n.o.s., 9, III, RQ (D008,D007,D018,D021,D023,D024,D025,D026) | 8 | DM | 1,100 | K | PCB2 | D007 | D008 |
| | | | | | | D018 | OUTS3941 | |
| | | | | | | | | |
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GENERATOR

32. Special Handling Instructions and Additional Information

5) PTAVES071
LINE 5 OUT OF SERVICE DATE: 3/9/12

TRANSPORTER

33. Transporter _____ Acknowledgment of Receipt of Materials

Printed/Typed Name — Signature — Month — Day — Year

34. Transporter _____ Acknowledgment of Receipt of Materials

Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

5. H040

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

009172718JJK

✓ok

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NJD002175057
2. Page 1 of: 1
3. Emergency Response Phone: 440-937-5950
4. Manifest Tracking Number: 009172718 JJK

5. Generator's Name and Mailing Address
Standard Chlorine and Chemical Company
1025 Belleville Turnpike
KEARNY, NJ 07032
Generator's Phone: 908-507-1525
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: ALLPRO FREIGHT — 215-696-9490
U.S. EPA ID Number: ALLPRO

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Michigan Disposal Waste Treatment Plant
49350 NORTH I-94 SERVICE DRIVE
BELLVILLE, MI 48111
Facility's Phone: 800-592-5489
U.S. EPA ID Number: MID000724831

| Item | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes | | |
|---|---|---|---|---|---|---|---|---|
| 1. | NON HAZARDOUS NON RCRA MATERIAL (BUILDINGS 17 & 18 SUMP CONTENTS) | 21 | DM | 1155 | G | D001 | | |
| 2. | NON HAZARDOUS NON RCRA MATERIAL (BUILDINGS 17 & 18 SUMP CONTENTS) | 03 | DF | 165 | G | D001 | | |
| 3. | | | | | | | | |
| 4. | | | | | | | | |

14. Special Handling Instructions and Additional Information
1) K1R175MD1
2) K11R175MD1

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Vamsee Veera for KEY on behalf of SCCC
Signature: Vamsee Veera for KEY on behalf of SCCC
Month 12 Day 03 Year 2011

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: TL Transport LLC
Signature: Paulo Harasymyk
Month 12 Day 3 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Section 12 & 13
OK to add approval #'s to section 14 per Michael Perry @ Chemtron VK 12-5-11
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. L1W 2. L1W 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Josh Leach
Signature:
Month 12 Day 05 Year 11

GENERATOR — INTL — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

COD #2

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172718 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME:
*(Please check one)*

☒ Michigan Disposal Waste Treatment Plant
(EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc.
(EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: _____

# Certificate of Destruction

Chemtron Corporation

35850 Schneider Court, Avon, OH 44011

Telephone: 440-937-6348, Fax: 440-937-6845

EPA ID Number: OHD066060609

This certifies that the waste comprising the below-referenced shipment, for which Chemtron Corporation accepted custody on 3/14/2012 , has been received for treatment and/or processed for disposal and stored in compliance with all applicable local, state, and federal regulations including 40 CFR 260, 261, 262, 263, 264, 266, and 268. This certifies that the below referenced shipment has been properly treated and rendered unusable and unrecoverable, and has been or will be disposed of in accordance with all Local, State and Federal Regulations including 40 CFR 260 through 270.

Generator: STANDARD CHLORINE COMPANY

Site Address: 1025 BELLEVILLE TURNPIKE
KEARNY NJ 07032

Manifest No: 009667709JJK

Manifest Date: 03/14/2012

| Line | Common Name | Treatment |
|---|---|---|
| 9B1 | 20120308-009 MERCURY DEBRIS | H141 |
| 9B2 | 20120308-008 DIELECTRIC FLUID | H141 |

Chemtron Representative

**Certificate Number 1851**

**Certificate Date: 3/28/2012**

# STRAIGHT BILL OF LADING–SHORT FORM–ORIGINAL–NOT NEGOTIABLE

DESIGNATE WITH AN (X)
BY TRUCK ☒ FREIGHT ☐

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading.

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

From STANDARD CHLORINE CHEMICAL COMPANY
At 1025 BELLEVILLE TURNPIKE
KEARNY, NJ 07032

DATE 3/13/12
SHIPPER'S NO. 31312-01
CARRIER
CARRIER'S NO.
BY

CONSIGNEE AND DESTINATION
CHEMTRON CORPORATION
35860 SCHNEIDER COURT
AVON, OH 44011

CHEMTRON CORP800-676-5091
ROUTE
DELIVERING CARRIER
CAR OR VEHICLE INITIALS & NO.

| NO. PACKAGES | + HM | DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | ERG # | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✓ |
|---|---|---|---|---|---|---|
| 002CF | | LEAD FOR RECYCLE | | 1600 P | | |
| | | CONTACT: 908-507-1525 | | | | |

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Per _____ (Signature of Consignor)

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received $_____ to apply in prepayment of the charges on the property described hereon.
Agent or Cashier
Per _____
(The signature here acknowledges only the amount prepaid).
Charges Advanced:
$ _____

PLACARDS SUPPLIED ☐ YES ☐ NO
DRIVER'S SIGNATURE 3/13/12
EMERGENCY RESPONSE PHONE NO. 440-937-5950

SHIPPERS CERTIFICATION: This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
SIGNATURE for on behalf of SCCC TITLE GEOLOGIST

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".
† Shipper's imprints in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.
Note – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____

THIS SHIPMENT IS CORRECTLY DESCRIBED.
CORRECT WEIGHT IS _____ LBS.

†The fibre boxes used for this shipment conform to the specifications set forth in the box makers certificate thereon, and all other requirements of the Consolidated Freight Classification.
Per _____ Shipper

**C.O.D. SHIPMENT**
C.O.D. Amt _____
Collection Fee _____
Total Charges _____

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper

FORM 1200, RAPIDFORMS, INC. THOROFARE, NJ 08086-9499

1

009667733JJK

Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NJD002175057

2. Page 1 of 1

3. Emergency Response Phone: 440-937-5950

4. Manifest Tracking Number: 009667733 JJK

5. Generator's Name and Mailing Address: Standard Chlorine Chemical Company, 1025 Belleville Turnpike

Generator's Site Address (if different than mailing address):

Generator's Phone: KEARNY, NJ 07032 908-507-1525

6. Transporter 1 Company Name: FREEHOLD CARTAGE, INC. 732-462-1001

U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name:

U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Wayne Disposal, inc. Site #2 Landfill, 49350 NORTH I-94 SERVICE DRIVE, BELLVILLE, MI 48111 800-592-5489

U.S. EPA ID Number: MID048090633

Facility's Phone:

| Sa. HM | 9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes | | |
|---|---|---|---|---|---|---|---|---|
| X | 1. UN3432, Waste Polychlorinatd biphenyls, solid, 9 ,II | 003 | OF | 545 | K | ~~PCB5~~ | PCB6 | |
| X | 2. UN3432, Waste Polychlorinatd biphenyls, solid, 9 ,II | 010 | OM | 1820 | K | ~~PCB5~~ | PCB6 | |
| | 3. | | | | | | | |
| | 4. | | | | | | | |

14. Special Handling Instructions and Additional Information

1.)APPL: C129035WDI ERG# 171 SSD: 1/12/12 ID #: 11212-1,2,3

2.)APPL: C129035WDI ERG# 171 SSD: 1/12/12 ID #: 11212-4,5,6,7,8,9,10,11,12,13

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jason Pierson on behalf of SCCC

Signature: [signature] on behalf of SCCC

Month Day Year: 3 15 12

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:

Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ronald Roe

Signature: [signature]

Month Day Year: 3 19 12

Transporter 2 Printed/Typed Name:

Signature:

Month Day Year:

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

ok to add section 14 per Mike Perry @ Chemtron 3-14-12 JB

Manifest Reference Number:

18b. Alternate Facility (or Generator)

U.S. EPA ID Number:

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)

Month Day Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. PCB 2. PCB 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Josh Heath

Signature: [signature]

Month Day Year: 03 14 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

INVENTORY #2

# CERTIFICATE OF DISPOSAL

***FOR MANIFESTED PCB WASTE***

This certificate is to verify the wastes identified as PCB Solid

and specified on Manifest # 009667733 JJK, Line Item 1+2 has been landfilled on

March 14, 2012 in accordance with all local, state and federal regulations by:

## *Wayne Disposal, Inc.*

(EPA I.D. # MID048090633)

49350 N. I-94 Service Drive, Belleville, Michigan 48111
Telephone: 1-800-KWALITY (592-5489)
Fax: 1-800-KWALFAX (592-5329)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information is true accurate and complete.

Authorized Signature: Mark Wells

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172906 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: *(Please check one)*

☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: Mark Weber

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172904 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: *(Please check one)*

☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: Mark Weber

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172965 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: *(Please check one)*

☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☑ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: Mark Wahr

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172903 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: *(Please check one)*

☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: Mark Weber

THE ENVIRONMENTAL C[illegible]ITY COMPANY 49350 N. I-94 S[illegible]E DRIVE BELLEVILLE MIC[illegible] 48111

Form # REC-FM-029-BEL

The electronic version of this document is the controlled version. Each user is responsible for ensuring that any document being used is the current version

2/22/11

COD #1

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172901 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: *(Please check one)*

☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: Mark Wade

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

Form # REC-FM-029-BEL

*The electronic version of this document is the controlled version. Each user is responsible for ensuring that any document being used is the current version.*

2/22/11

COD #1

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172900 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: *(Please check one)*

☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: Mark Walz

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 0691 72897 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: *(Please check one)*

☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☑ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: Mark Wenke

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172892 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: *(Please check one)*

☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☒ Wayne Disposal, Inc. (EPA I.D # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: Mark Werks

THE ENVIRONMENTAL C[illegible]

Form # REC-FM-029-BEL

*The electronic version of this document is the controlled version. Each user is responsible for ensuring that any document being used is the current version.*

2/22/11

COD #1

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172894 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: *(Please check one)*

☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: Mark Warke

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172893 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: *(Please check one)*

☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: Mark Worke

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172890 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: ☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) ☑ Wayne Disposal, Inc. (EPA I.D. # MID048090633)
*(Please check one)*

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: Mark Weber

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172885 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: *(Please check one)*

☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: Mark Walker

# CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 009172888 JJK

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et sea.*

FACILITY NAME: *(Please check one)*

☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: Mark Weber

THIS MEMORANDUM duplicate, covering the property named herein, and is intended solely for filing or record.

| NAME OF CARRIER | CARRIER'S NO. | DATE | SHIPPER'S NO. |
|---|---|---|---|
| KAD Trucking Inc | T.L. #25 TL #2 | 12-16-11 | 51. |

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of receipt by the carrier of the property described in the Original Bill of Lading, the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route; otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)

Scrapcom, Inc.
Garfield Hts., OH

**TO CONSIGNEE:**
Gerdau - Sayreville

STREET
N. Crossman Rd.

DESTINATION
Sayreville, NJ

ZIP CODE
08872

| DELIVERING CARRIER | ROUTE | CAR OR VEHICLE INITIALS & NO. |
|---|---|---|
| | | |

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✓ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| | ~~Prepaid~~ P ~~& S~~ #1 HEAVY EMPTY | 39,300 | | | |
| | Mill Order #649957-1-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

REMIT C.O.D. TO:

**COD** AMT. $ _____

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$ _____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____ (Signature of Consignor)

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect. ☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

Dennis Lopez

**Shipper, Per** _____ _____ **Agent, Per** _____

Permanent post-office address of shipper

3

86905991
TICKET NUMBER

CERTIFIED
AUTOMATED
TRUCK
SCALE

CAT SCALE COMPANY
P.O. BOX 680
WALCOTT, IA 52773
(563) 284-6263
www.catscale.com

**THE CAT SCALE GUARANTEE**

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.®

**WEIGH WHAT WE SAY OR WE PAY®**

If you get an overweight fine from the state AFTER one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

(1) Reimburse you for the cost of the overweight fine if our scale is wrong; OR
(2) A representative of CAT Scale Company will appear in court WITH the driver as an expert witness if we believe our scale was correct.

**IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:**

1) Post bond and request a court date.
2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT SCALE (Toll Free).
3) IMMEDIATELY send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

*The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

CAT SCALE COLLECTOR LAND INSIDE

DATE: 12-16-2011

STEER AXLE 10840 lb

DRIVE AXLE 32660 lb

TRAILER AXLE 36940 lb

*GROSS WEIGHT 80440 lb

908
SCALE 308
85905991 LOCATION: TULLO TRUCK STOP
I95 AND EXIT 15E
SOUTH KEARNY NJ

PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT & MEASURE

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.

IMPRINT SEAL HERE (IF APPLICABLE)

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY OR ARTICLE WEIGHED: FREIGHT ALL KINDS

COMPANY: TRUCKING TRACTOR # 26 TRAILER # 2

WEIGH NUMBER 5991

FEE $9.50

WEIGHMASTER OR WEIGHER SIGNATURE: JAMES LORE

FULL WEIGH TICKET # (IF REWEIGH)

TOMER COPY

DRIVER IN TRUCK UNLESS CHECKED HERE

© CAT Scale® Reg 3037-01/11

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone: 732-721-6600 Fax:

December 16, 2011

**Division:** 6200 SAYREVILLE STEEL MILL

# PURCHASE

**Supplier:** 69923 : SCRAP COM[USD]
4801 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| December 16, 2( | 10:42:09 am | Gross: | 81,000 | lb |
| December 16, 2( | 10:52:49 am | Tare: | 39,450 | lb |
| | | Net: | 41,550 | lb |
| | | Deduction: | 500 | lb |
| | | Paid Weight: | 41,050 | lb |

**Vehicle I.D.:** KND TRUCK
**Carrier:** 0 :
**Inspector:** FMUNERA
**Supplier Ref:** KND TRUCKING

## GRADE DETAILS

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight | |
|---|---|---|---|---|---|---|---|
| 801 | # 1 HEAVY MELT | 8011 | 41,550 | 500 | DIRT | 41,050 | lb |
| | | | **41,550** | **500** | | **41,050** | lb |

**Contract:** 650332 1 1
**Customer Ref:**

**Comments:**

**Ticket No. 62636562**

[illegible] duplicate, covering the property named herein, and is intended solely [illegible] record.

| NAME OF CARRIER | CARRIER'S NO. | DATE | |
|---|---|---|---|
| WEAR / & Son Trucking | #69 #1 | 12-16-11 | 52. |

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of receipt by the carrier of the property described in the Original Bill of Lading, the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)
1025 Belleville Turnpike Kearny, NJ 07032
Scrapcom, Inc.
Garfield Hts., OH

**TO CONSIGNEE:**
Gerdau - Sayreville

STREET
N. Crossman Rd.

DESTINATION
Sayreville, NJ

ZIP CODE
08872

| DELIVERING CARRIER | ROUTE | CAR OR VEHICLE INITIALS & NO. |
|---|---|---|
| | | |

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✓ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| | ~~[illegible]~~ #1 Empty 41300 | | | | |
| | Mill Order ~~[illegible]~~ 650332-1-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

REMIT C.O.D. TO:

**COD** AMT. $ _____

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$ _____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____ (Signature of Consignor)

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect. ☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

N. Dan

**Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper

3

10282617
TICKET NUMBER

CERTIFIED
AUTOMATED
TRUCK
SCALE

CAT SCALE COMPANY
PO BOX 890
WALCOTT, IA 52773
(563) 262-9288
www.catscale.com

**THE CAT SCALE GUARANTEE**

The CAT Scale Company guarantees that our scale will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.*

**WEIGH WHAT WE SAY OR WE PAY***

If you get an overweight fine from the state AFTER one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

(1) Reimburse you for the cost of the overweight fine if our scale is wrong, OR
(2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness to prove our scale was correct.
(3) [illegible]

**IF YOU SHOULD GET AN OVERWEIGHT FINE YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:**

1) Post bond and request a court date.
2) Call CAT Scale Company direct 24 hours a day at 1-877-CATSCALE (Toll Free).
3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

*When axle weights (not scale or axle separate weights) the GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

DATE: 12-16-2011

1135
10282617 SCALE: 30A
LOCATION: * TULLO TRUCK STOP
* IP5 AND EXIT 15E
SOUTH KEARNY ND

PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT & MEASURE

| | |
|---|---|
| STEER AXLE | 11480 lb |
| DRIVE AXLE | 37200 lb |
| TRAILER AXLE | 40600 lb |
| *GROSS WEIGHT | 91280 lb |

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facie evidence of the accuracy of the weight shown as prescribed by law.

IMPRINT SEAL HERE (IF APPLICABLE)

FREIGHT ALL KINDS

LIVESTOCK PRODUCE PROPERTY COMMODITY OR ARTICLE WEIGHED

COMPANY

TRACTOR # 89 TRAILER # 11

WEIGH NUMBER 2617

FEE $9.50

WEIGHMASTER OR WEIGHER SIGNATURE PHILIP LURE

GRAND TOTAL (OF THE WEIGH)

CUSTOMER COPY

DRIVER IN TRUCK UNLESS CHECKED HERE

*CAT SCALE* FEG 0001 (1/1)

GERDAU
SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone: 732-721-6600 Fax:

STEEL
BUILDING A SUSTAINABLE FUTURE

December 16, 2011

**Division:** 6200 SAYREVILLE STEEL MILL

# PURCHASE

**Supplier:** 69923 : SCRAP COM[USD]
4801 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| December 16, 2( | 12:47:36 pm | Gross: | 91,950 | lb |
| December 16, 2( | 12:58:02 pm | Tare: | 41,500 | lb |
| | | Net: | 50,450 | lb |
| | | Deduction: | 500 | lb |
| | | Paid Weight: | 49,950 | lb |

**Vehicle I.D.:** KND TRUCK
**Carrier:** 0 :
**Inspector:** FMUNERA
**Supplier Ref:** KND 25

## GRADE DETAILS

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight | |
|---|---|---|---|---|---|---|---|
| 801 | # 1 HEAVY MELT | 8011 | 50,450 | 500 | DIRT | 49,950 | lb |
| **Contract:** 650332 1 1 | | | | | | | |
| **Customer Ref:** | | | | | | | |
| | | | **50,450** | **500** | | **49,950** | lb |

**Comments:**

**Ticket No. 62636577**

**THIS MEMORANDUM** is an acknowledgment ... duplicate, covering the property named herein, and is intended solely for filing or record.

| NAME OF CARRIER | CARRIER'S NO. | DATE 12-12-11 | 53. |
|---|---|---|---|

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of receipt by the carrier of the property described in the Original Bill of Lading, the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)
1025 Belleville Turnpike Kearny, NJ 07032
Scrapcom, Inc.
Garfield Hts., OH

**TO CONSIGNEE:**
Gerdau - Sayreville
STREET
N. Crossman Rd.
DESTINATION
Sayreville, NJ
ZIP CODE
08872

| DELIVERING CARRIER | ROUTE | CAR OR VEHICLE INITIALS & NO. |
|---|---|---|
| | | |

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✓ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| | Prepared P & S Empty 39300 | | | | |
| | Mill Order #649957-1-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

REMIT C.O.D. TO:

**COD** AMT. $ _____

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

*If the shipment moves between two points by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$_____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____
(Signature of Consignor)

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect. ☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

**Shipper, Per** _____ _____ **Agent, Per** _____

Permanent post-office address of shipper

3

14282754

TICKET NUMBER

**THE CAT SCALE GUARANTEE**

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.

**WEIGH WHAT WE SAY OR WE PAY®**

If you get an overweight fine from the state AFTER one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

(1) Reimburse you for the cost of the overweight fine if our scale is wrong. **OR**

(2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

**IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:**

1) Post bond and request a court date.
2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT SCALE (Toll Free).
3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

**CERTIFIED AUTOMATED TRUCK SCALE**

CAT SCALE COMPANY
PO BOX 630
WALCOTT, IA 52773
(563) 284-6263
www.catscale.com

The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

| | | | |
|---|---|---|---|
| DATE: | 12-17-2011 | STEER AXLE | 11160 lb |
| | | DRIVE AXLE | 35760 lb |
| SCALE | 308 | TRAILER AXLE | 38200 lb |
| LOCATION: | TULLO TRUCK STOP<br>I95 AND EXIT 15E<br>SOUTH KEARNY NJ | GROSS WEIGHT | 85120 lb |

PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT & MEASURE

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facie evidence of the accuracy of the weight shown as prescribed by law.

IMPRINT SEAL HERE (IF APPLICABLE)

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY OR ARTICLE WEIGHED: FREIGHT ALL KINDS

COMPANY: TRUCKING TRACTOR #: 25 TRAILER #: 2

WEIGH NUMBER: 2754

FEE: $9.50 WEIGHMASTER OR WEIGHER SIGNATURE: JAMES LORE

FULL WEIGH TICKET (IF HEWEIGH)

DRIVER IN TRUCK UNLESS CHECKED HERE

STOMER COPY

© CAT SCALE® REG 3001 1/11

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone: 732-721-6600 Fax:

STEEL BUILDING A SUSTAINABLE FUTURE

December 19, 2011

**Division:** 6200 SAYREVILLE STEEL MILL

# PURCHASE

**Supplier:** 69923 : SCRAP COM[USD]
4801 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| December 19, 2( | 6:37:44 am | Gross: | 84,850 | lb |
| December 19, 2( | 6:50:30 am | Tare: | 39,250 | lb |
| | | Net: | 45,600 | lb |
| | | Deduction: | 0 | lb |
| | | Paid Weight: | 45,600 | lb |

**Vehicle I.D.:** KND TRUCK
**Carrier:** 0 :
**Inspector:**
**Supplier Ref:** KND25

## GRADE DETAILS

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight | |
|---|---|---|---|---|---|---|---|
| 805 | PLATE & STRUCTUR | 8052 | 45,600 | 0 | | 45,600 | lb |
| **Contract:** 649957 1 1 | | | | | | | |
| **Customer Ref:** | | | | | | | |
| | | | **45,600** | **0** | | **45,600** | lb |

**Comments:**

**Ticket No. 62636594**

**THIS MEMORANDUM** duplicate, covering the property named herein, and is intended solely for filing or record.

NAME OF CARRIER

CARRIER'S NO. #69 / 11

DATE 12-17-11

54.

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of receipt by the carrier of the property described in the Original Bill of Lading, the property described below in apparent good order, except as noted contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route destination and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)
1025 Belleville Turnpike Kearny NJ 07032
Scrapcon, Inc.
Garfield Hts., OH

**TO CONSIGNEE:**
Gerdau - Sayreville

STREET
N. Crossman Rd.

DESTINATION
Sayreville, NJ

ZIP CODE
08872

DELIVERING CARRIER

ROUTE

CAR OR VEHICLE INITIALS & NO.

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✓ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| | Prepared P & S Empty 41200 | | | | |
| | Mill Order #649957-1-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

REMIT C.O.D. TO:

**COD** AMT. $

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect.

☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

**Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper.

3

14282771
TICKET NUMBER

CERTIFIED
AUTOMATED
TRUCK
SCALE

CAT SCALE COMPANY
PO BOX 80
WALCOTT, IA 52773
(563) 284-6283
www.catscale.com

**THE CAT SCALE GUARANTEE**

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.*

**WEIGH WHAT WE SAY OR WE PAY***

If you get an overweight fine from the state AFTER one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

(1) Reimburse you for the cost of the overweight fine if our scale is wrong, OR
(2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

**IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:**

1) Post bond and request a court date.
2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE (Toll Free).
3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

* The four weights shown below are separate weights: the GROSS WEIGHT & the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

DATE: 12-17-2011

1627
14282771

SCALE: 308
LOCATION: TULLO TRUCK STOP
195 AND EXIT 15E
SOUTH KEARNY NJ

| | |
|---|---|
| STEER AXLE | 11360 lb |
| DRIVE AXLE | 39840 lb |
| TRAILER AXLE | 42360 lb |
| *GROSS WEIGHT | 93560 lb |

PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT & MEASURE

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facie evidence of the accuracy of the weights shown as prescribed by law.

MPRINT SEAL HERE (IF APPLICABLE)

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY OR ARTICLE WEIGHED: FREIGHT, ALL KINDS

COMPANY: 1-1-1-1-1-1 TRACTOR #: 59 TRAILER #: 1

WEIGH NUMBER: 2771

FEE: $9.50

WEIGHMASTER OR WEIGHER SIGNATURE: AMIT KUMAR

FULL WEIGH: ✓ TARE: (IF REWEIGH)

CUSTOMER COPY

DRIVER IN TRUCK UNLESS CHECKED HERE

*CAT SCALE* REG 3001 1/11

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone: 732-721-6600 Fax:

December 19, 2011

Division: 6200 SAYREVILLE STEEL MILL

# PURCHASE

Supplier: 69923 SCRAP COM[USD]
4801 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| December 19, 2( | 6:53:13 am | Gross: | 93,550 | lb |
| December 19, 2( | 7:05:26 am | Tare: | 40,850 | lb |
| | | Net: | 52,700 | lb |
| | | Deduction: | 0 | lb |
| | | Paid Weight: | 52,700 | lb |

Vehicle I.D.: KND2 TRUCK
Carrier: 0
Inspector:
Supplier Ref: KND59

## GRADE DETAILS

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight | |
|---|---|---|---|---|---|---|---|
| 205 | PLATE & STRUCTUR | 8052 | 52 700 | 0 | | 52 700 | lb |
| Contract: 649957 1 1 | | | | | | | |
| Customer Ref: | | | | | | | |
| | | | 52,700 | 0 | | 52,700 | lb |

Comments:

Ticket No. 62636596

NAME OF CARRIER | CARRIER'S NO. 16 | DATE 12-19-11 | 91.

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of receipt by the carrier of the property described in the Original Bill of Lading, the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)

ScrapCom, Inc.
1025 Belleville Turnpike
Kearny, NJ 07032

**TO CONSIGNEE:**
Gerdau - Sayreville

STREET
N. Crossman Rd., Sayreville, NJ 08872

DESTINATION | ZIP CODE

DELIVERING CARRIER | ROUTE | CAR OR VEHICLE INITIALS & NO.

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✓ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| | #1 Heavy Melt Empty 44,000 | | | | |
| | Order #650332 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

REMIT C.O.D. TO:

**COD** AMT. $ _____

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

$_____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____
(Signature of Consignor)

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect.

☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

**Shipper, Per** _____ _____ **Agent, Per** _____

Permanent post-office address of shipper

3

14282901

TICKET NUMBER

CERTIFIED AUTOMATED TRUCK SCALE

CAT SCALE COMPANY
P.O. BOX 690
WALCOTT, IA 52773
(563) 284-6263
www.catscale.com

PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT & MEASURE

**THE CAT SCALE GUARANTEE**

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.

**WEIGH WHAT WE SAY OR WE PAY**

If you get an overweight fine from the state AFTER one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

(1) Reimburse you for the cost of the overweight fine if our scale is wrong. OR

(2) A representative of CAT Scale Company will appear in court WITH the driver as an expert witness if we believe our scale was correct.

**IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:**

1) Post bond and request a court date.
2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT SCALE (Toll Free).
3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

*The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

DATE: 12-19-2011

SCALE: 308

LOCATION: TULLO TRUCK STOP
I95 AND EXIT 15E
SOUTH KEARNY NJ

| | |
|---|---|
| STEER AXLE | 9840 lb |
| DRIVE AXLE | 45780 lb |
| TRAILER AXLE | 42720 lb |
| *GROSS WEIGHT | 98340 lb |

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.

IMPRINT SEAL HERE (IF APPLICABLE)

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY OR ARTICLE WEIGHED: FREIGHT ALL KINDS

COMPANY: TRUCKING

TRACTOR #: 18

TRAILER #: 4

WEIGH NUMBER: 2901

FEE: $9.50

WEIGHMASTER OR WEIGHER SIGNATURE: BALDEV K SACHDEV

FULL WEIGH TICKET (IF REWEIGH)

DRIVER IN TRUCK UNLESS CHECKED HERE

TOMER COPY

*CAT SCALE® REG 3001 1/11

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone: 732-721-6600 Fax:

December 20, 2011

**Division:** 6200 SAYREVILLE STEEL MILL

# PURCHASE

**Supplier:** 69923 : SCRAP COM[USD]
4801 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| December 20, 2( | 6:48:50 am | Gross: | 98,200 | lb |
| December 20, 2( | 7:02:29 am | Tare: | 43,750 | lb |
| | | Net | 54,450 | lb |
| | | Deduction | 500 | lb |
| | | Paid Weight: | 53,950 | lb |

**Vehicle I.D.:** SCRAPCON TRUCK
**Carrier:** 0 :
**Inspector:** AYANUZZ
**Supplier Ref:**

**GRADE DETAILS**

| Grade | Loc. | Weight | Deduction | Ded. Reason | Paid Weight |
|---|---|---|---|---|---|
| # 1 HEAVY MELT | 8011 | 54,450 | 500 | DIRT | 53,950 lb |
| | | 54,450 | 500 | | 53,950 lb |

**Contract:** 650332 1 1
**Customer Ref:**

**Comments:**

**Ticket No. 62636674**

duplicate, covering the property named herein, and is intended solely for filing of record.

| NAME OF CARRIER | CARRIER'S NO. | DATE | |
|---|---|---|---|
| | RNO #25 | 12-20-11 | 72. |

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of receipt by the carrier of the property described in the Original Bill of Lading, the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)

ScrapCom, Inc.
1025 Belleville Turnpike
Kearny, NJ 07032

**TO CONSIGNEE:**
Gerdau - Sayreville

STREET
N. Crossman Rd., Sayreville, NJ 08872

DESTINATION | ZIP CODE

DELIVERING CARRIER | ROUTE | CAR OR VEHICLE INITIALS & NO.

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✓ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| | Prepared Plate & Structural Empty 39,300 | | | | |
| | Order #649957-1-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

REMIT C.O.D. TO:

**COD** AMT. $ _____

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight".

Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$_____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____ (Signature of Consignor)

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect. ☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

**Shipper, Per** _____ _____ **Agent, Per** _____

Dennis Y Lopez #25
Permanent post-office address of shipper

3

14283054

TICKET NUMBER

**THE CAT SCALE GUARANTEE**

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.®

**WEIGH WHAT WE SAY OR WE PAY®**

If you get an overweight fine from the state AFTER one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

(1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**

(2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

**IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:**

1) Post bond and request a court date.
2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT SCALE (Toll Free).
3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

**CERTIFIED AUTOMATED TRUCK SCALE**

CAT SCALE COMPANY
P.O. BOX 530
WALCOTT, IA 52773
(563) 284-6263
www.catscale.com

*The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

DATE: 12-20-2011

1629

14283054

SCALE: 308

LOCATION: TULLO TRUCK STOP
I95 AND EXIT 15E
SOUTH KEARNY NJ

PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT & MEASURE

| | |
|---|---|
| STEER AXLE | 10840 lb |
| DRIVE AXLE | 31780 lb |
| TRAILER AXLE | 35300 lb |
| *GROSS WEIGHT | 77920 lb |

IMPRINT SEAL HERE (IF APPLICABLE)

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED: FREIGHT ALL KINDS

COMPANY: TRUCKING

TRACTOR #: 25

TRAILER #: 2

WEIGH NUMBER: 3054

FEE: $9.50

WEIGHMASTER OR WEIGHER SIGNATURE: BALDEV K SACHDEV

FULL WEIGH TICKET # (IF REWEIGH):

TOMER COPY

DRIVER IN TRUCK UNLESS CHECKED HERE: ___

© CAT SCALE® REG 3001 1/11

**GERDAU**

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone 732-721-6600 Fax

December 21, 2011

**Division:** 6200 SAYREVILLE STEEL MILL

# PURCHASE

**Supplier:** 69923 : SCRAP COM[USD]
4601 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| December 21, 2( | 6:28:39 am | Gross: | 78,050 | lb |
| December 21, 2( | 6:37:42 am | Tare: | 39,200 | lb |
| | | Net: | 38,850 | lb |
| | | Deduction: | 0 | lb |
| | | Paid Weight: | 38,850 | lb |

**Vehicle I.D.:** SCRAPCOM TRUCK
**Carrier:** 0 :
**Inspector:** AYANUZZ
**Supplier Ref:**

## GRADE DETAILS

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight | |
|---|---|---|---|---|---|---|---|
| 305 | PLATE & STRUCTUR | 8052 | 38,850 | 0 | | 38,850 | lb |
| | | | 38,850 | 0 | | 38,850 | lb |

**Contract:** 649957 1 1
**Customer Ref:**

**Comments:**

**Ticket No. 62636752**

**THIS MEMORANDUM** is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

NAME OF CARRIER

CARRIER'S NO. 102 DATE 12-22-11 73.

**RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of receipt by the carrier of the property described in the Original Bill of Lading,** the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)
ScrapCom, Inc.
1025 Belleville Turnpike
Kearny, NJ 07032

**TO CONSIGNEE:**
Gerdau - Sayreville

STREET
N. Crossman Rd., Sayreville, NJ 08872

DESTINATION

ZIP CODE

DELIVERING CARRIER

ROUTE

CAR OR VEHICLE INITIALS & NO.

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✓ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| | Prepared Plate & Structural Empty 43280 | | | | |
| | Order #649957-1-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

REMIT C.O.D. TO:

**COD** AMT. $ _____

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE: When the rate is dependant on value, shippers are required to state specifically in writing the agreed or declared value of the property.
**The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding**
$_____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____
(Signature of Consignor)

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect. ☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

**Shipper, Per** _____ _____ **Agent, Per** _____

Permanent post-office address of shipper

3

14283318
TICKET NUMBER

CAT SCALE

# CERTIFIED AUTOMATED TRUCK SCALE

CAT SCALE COMPANY
P.O. BOX 630
WALCOTT, IA 52773
(563) 284-6263
www.catscale.com

PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT & MEASURE

## THE CAT SCALE GUARANTEE

The CAT Scale Co[illegible]ny guarantees that our scales will give an accurate [illegible]ht. What makes us different from o[illegible] scale companies is that we back up our guarantee w[illegible] cash.®

THANK YOU FOR WEIGHING ON CAT SCALE!

### WEIGH WHAT WE SAY OR WE PAY®

If you get an overweight fine from the state AFTER one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

(1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
(2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

**IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:**

1) Post bond and request a court date.
2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE (Toll Free).
3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

*The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

**DATE:** 12-22-2011

**SCALE** 506

**LOCATION:** TULLO TRUCK STOP
I95 AND EXIT 15E
SOUTH KEARNY NJ

| | | |
|---|---|---|
| STEER AXLE | 11480 | lb |
| DRIVE AXLE | 41100 | lb |
| TRAILER AXLE | 47140 | lb |
| * GROSS WEIGHT | 99700 | lb |

IMPRINT SEAL HERE (IF APPLICABLE)

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED: FREIGHT ALL KINDS

COMPANY: TRUCKING TRACTOR #: 102 TRAILER #: 1

WEIGH NUMBER 8814

FEE $9.50

WEIGHMASTER OR WEIGHER SIGNATURE: BALDEV K[illegible]

FULL WEIGH TICKET # (IF REWEIGH):

DRIVER IN TRUCK UNLESS CHECKED HERE: ___

USTOMER COPY

© CAT SCALE® REG 3001 1/11

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone: 732-721-8600 Fax:

December 22, 2011

Division: 6200 SAYREVILLE STEEL MILL

# PURCHASE

Supplier: 69923 : SCRAP COM[USD]
4801 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| December 22, 2( | 2:15:50 pm | Gross: | 99,700 | lb |
| December 22, 2( | 2:25:10 pm | Tare: | 43,350 | lb |
| | | Net: | 56,350 | lb |
| | | Deduction: | 500 | lb |
| | | Paid Weight: | 55,850 | lb |

Vehicle I.D.: AMG2 TRUCK
Carrier: 0 .
Inspector: AYANUZZ
Supplier Ref:

GRADE DETAILS

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight |
|---|---|---|---|---|---|---|
| 805 | PLATE & STRUCTUR | 8052 | 56,350 | 500 | DIRT | 55,850 lb |
| | | | 56,350 | 500 | | 55,850 lb |

Contract: 649967 1 1
Customer Ref:

Comments:

Ticket No. 62636878

**THIS MEMORANDUM** is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

| NAME OF CARRIER | CARRIER'S NO. | DATE | SHIPPER'S NO. |
|---|---|---|---|
| | 123 | 12-19-11 | 71. |

**RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of receipt by the carrier of the property described in the Original Bill of Lading,** the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)

ScrapCom, Inc.
1025 Belleville Turnpike
Kearny, NJ 07032

**TO CONSIGNEE:**
Gerdau - Sayreville

STREET
N. Crossman Rd., Sayreville, NJ 08872

DESTINATION | ZIP CODE

| DELIVERING CARRIER | ROUTE | CAR OR VEHICLE INITIALS & NO. |
|---|---|---|
| | | |

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✔ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| | Prepared Plate & Structural Empty 41200 | | | | |
| | Order #649957-1-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

REMIT C.O.D. TO:

**COD** AMT. $ _____

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$_____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____
(Signature of Consignor)

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect. ☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

**Shipper, Per** _____ _____ **Agent, Per** _____

Permanent post-office address of shipper

3

14283002
TICKET NUMBER

**THE CAT SCALE GUARANTEE**

The CAT Scale Co[illegible]ny guarantees that our scales will give an accurate [illegible]t. What makes us different from ot[illegible] scale companies is that we back up our guarantee w[illegible] cash.©

**THANK YOU FOR WEIGHING ON CAT SCALE!**

**WEIGH WHAT WE SAY OR WE PAY®**

If you get an overweight fine from the state AFTER one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

(1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
(2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

**IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:**

1) Post bond and request a court date.
2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE (Toll Free).
3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

# CERTIFIED AUTOMATED TRUCK SCALE

CAT SCALE COMPANY
P.O. BOX 630
WALCOTT, IA 52773
(563) 284-6263
www.catscale.com

PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT & MEASURE

*The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

**DATE:** 12-20-2011

**SCALE** 308

**LOCATION:** TULLO TRUCK STOP
I95 AND EXIT 15E
SOUTH KEARNY NJ

| | | |
|---|---|---|
| STEER AXLE | 11080 | lb |
| DRIVE AXLE | 42780 | lb |
| TRAILER AXLE | 50400 | lb |
| * GROSS WEIGHT | 104260 | lb |

IMPRINT SEAL HERE (IF APPLICABLE)

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED: FREIGHT ALL KINDS

COMPANY: T-- TRACTOR #: 123 TRAILER #: 13

WEIGH NUMBER 802

FEE $9.50

WEIGHMASTER OR WEIGHER SIGNATURE: PHILIP VONE

FULL WEIGH TICKET # (IF REWEIGH)

JSTOMER COPY

DRIVER IN TRUCK UNLESS CHECKED HERE: ___

©CAT SCALE® REG 3001 1/11

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone: 732-721-6600 Fax:

STEEL BUILDING A SUSTAINABLE FUTURE

December 20, 2011

**Division:** 6200 SAYREVILLE STEEL MILL

# PURCHASE

**Supplier:** 69923 : SCRAP COM[USD]
4801 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| December 20, 2( | 11:20:11 am | Gross: | 104,250 | lb |
| December 20, 2( | 11:31:31 am | Tare: | 41,300 | lb |
| | | Net: | 62,950 | lb |
| | | Deduction: | 0 | lb |
| | | Paid Weight: | 62,950 | lb |

**Vehicle I.D.:** SCRAPCOM TRUCK
**Carrier:** 0 :
**Inspector:**
**Supplier Ref:**

## GRADE DETAILS

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight | |
|---|---|---|---|---|---|---|---|
| 805 | PLATE & STRUCTUR | 8052 | 62,950 | 0 | | 62,950 | lb |
| **Contract:** 649957 1 1 | | | | | | | |
| **Customer Ref:** | | | | | | | |
| | | | **62,950** | **0** | | **62,950** | lb |

**Comments:**

**Ticket No. 62636712**

**THIS MEMORANDUM** is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

NAME OF CARRIER

CARRIER'S NO. RNO #25 | 12-20-11

SHIPPER'S NO. 72.

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of receipt by the carrier of the property described in the Original Bill of Lading, the property described below in apparent good order, excep (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the prop the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of to destination and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Clas in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by th and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)

Scrapcom, Inc.
1025 Belleville Turnpike
Kearny, NJ 07032

**TO CONSIGNEE:**
Cardau - Sayreville

STREET
N. Crossman Rd., Sayreville, NJ 08872

DESTINATION

ZIP CODE

DELIVERING CARRIER

ROUTE

CAR OR VEHICLE INITIALS & NO.

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✓ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| | Prepared Plate & Structural Empty 39,300 | | | | |
| | Order #649957-1-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

REMIT C.O.D. TO:

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

$ _____ per _____

**COD** AMT. $ _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____
(Signature of Consignor)

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect. ☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

Dennis Y Poyer #25

**Shipper, Per** _____ _____ **Agent, Per** _____

armanent post-office address of shipper

3

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone 732-721-6600 Fax

December 21, 2011

Division: 6200 SAYREVILLE STEEL MILL

# PURCHASE

Supplier: 69923 : SCRAP COM[USD]
4801 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| December 21, 2( | 6:28:39 am | Gross: | 78,050 | lb |
| December 21, 2( | 6:37:42 am | Tare: | 39,200 | lb |
| | | Net: | 38,850 | lb |
| | | Deduction: | 0 | lb |
| | | Paid Weight | 38,850 | lb |

Vehicle I.D.: SCRAPCOM TRUCK
Carrier: 0
Inspector: AYANUZZ
Supplier Ref:

## GRADE DETAILS

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight | |
|---|---|---|---|---|---|---|---|
| 305 | PLATE & STRUCTUR | 8052 | 38,850 | 0 | | 38,850 | lb |
| Contract: 649957 1 1 | | | | | | | |
| Customer Ref: | | | | | | | |
| | | | 38,850 | 0 | | 38,850 | lb |

Comments:

Ticket No. 62636752

**...ORANDUM** is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

NAME OF CARRIER

CARRIER'S NO. 16 | ...E 12-19-11 | SHIPPER'S NO. ...

**RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of receipt by the carrier of the property described in the Original Bill of Lading,** the property described below in apparent good order, ex... (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the p... the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion... to destination and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight C... in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by... and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)

ScrapCom, Inc.
1025 Belleville Turnpike
Kearny, NJ 07032

**TO CONSIGNEE:**
Gerdau - Sayreville

STREET
N. Crossman Rd., Sayreville, NJ 08372

DELIVERING CARRIER

ROUTE

DESTINATION

ZIP CODE

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✔ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| | #1 Heavy Melt Empty 44,000 | | | | |
| | Order #650332 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

CAR OR VEHICLE INITIALS & NO.

REMIT C.O.D. TO:

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

$_____ per _____

**COD** AMT. $ _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____
(Signature of Consignor)

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect. ☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

**Shipper, Per** _____ _____ **Agent, Per** _____

...rmanent post-office address of shipper

3

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone: 732-721-6600 Fax:

STEEL

December 20, 2011

Division: 6200 SAYREVILLE STEEL MILL

# PURCHASE

Supplier: 63923 SCRAP COM[USD]
4801 CHAINCRAFT ROAD.
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| December 20, 2( | 6 48 50 am | Gross: | 98,200 | lb |
| December 20, 2( | 7 02:29 am | Tare: | 43,750 | lb |
| | | Net | 54,450 | lb |
| | | Deduction: | 500 | lb |
| | | Paid Weight: | 53,950 | lb |

Vehicle I.D.: SCRAPCON TRUCK
Carrier: 0
Inspector: AYANUZZ
Supplier Ref:

GRADE DETAILS

| Grade | Loc. | Weight | Deduction | Ded. Reason | Paid Weight | |
|---|---|---|---|---|---|---|
| # 1 HEAVY MELT | 8011 | 54,450 | 500 | DIRT | 53,950 | lb |
| | | 54,450 | 500 | | 53,950 | lb |

Contract: 650332 1 1
Customer Ref:

Comments:

Ticket No. 62636674

...MEMORANDUM is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

NAME OF CARRIER

CARRIER'S NO. #67 / ...

DATE 2-17-11

SHIPPER'S NO. 54

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of receipt by the carrier of the property described in the Original Bill of Lading, the property described below in apparent good order, exce... (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the pro... the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion o... to destination and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Cla... in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by t... and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)
1025 Belleville Turnpike Kearny NJ 07032
Scrapcom, Inc.
Garfield Hts., OH

**TO CONSIGNEE:**
Gerdau - Sayreville

STREET
N. Crossman Rd.

DESTINATION
Sayreville, NJ

ZIP CODE 08872

DELIVERING CARRIER

ROUTE

CAR OR VEHICLE INITIALS & NO.

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✓ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| | Prepared P & S Empty 41200 | | | | |
| | Mill Order #649957-1-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

REMIT C.O.D. TO:

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

$ _____ per _____

**COD** AMT. $ _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect. ☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

**Shipper, Per** _____ **Agent, Per** _____

...rmanent post-office address of shipper

3

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone: 732-721-6600 Fax:

STEEL

December 19, 2011

Division: 6200 SAYREVILLE STEEL MILL

# PURCHASE

Supplier: 69923 : SCRAP COM(USD)
4801 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| December 19, 2( | 6:53:13 am | Gross: | 93,550 | lb |
| December 19, 2( | 7:05:26 am | Tare: | 40,850 | lb |
| | | Net: | 52,700 | lb |
| | | Deduction: | 0 | lb |
| | | Paid Weight: | 52,700 | lb |

Vehicle I.D.: KND2 TRUCK
Carrier: 0
Inspector:
Supplier Ref: KND69

## GRADE DETAILS

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight | |
|---|---|---|---|---|---|---|---|
| 205 | PLATE & STRUCTUR | 8052 | 52 700 | 0 | | 52 700 | lb |
| Contract: 649967 1 1 | | | | | | | |
| Customer Ref: | | | | | | | |
| | | | 52,700 | 0 | | 52,700 | lb |

Comments:

Ticket No. 62636596

**MEMORANDUM** ...agreement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filling or record.

NAME OF CARRIER

CARRIER'S NO.

DATE 12-17-11

SHIPPER'S NO. 53.

**RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of receipt by the carrier of the property described in the Original Bill of Lading,** the property described below in apparent good order, except as (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said to destination and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifi in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the sh and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)
1025 Belleville Turnpike, Kearny, NJ 07032
Scrapcom, Inc.
Garfield Hts., OH

**TO CONSIGNEE:**
Gerdau - Savreville
STREET
1. Crossman Rd.
DESTINATION
Savreville, NJ
ZIP CODE
08872

DELIVERING CARRIER

ROUTE

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✓ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| | Prepared P & S Empty 39300 | | | | |
| | Mill Order #649957-1-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

CAR OR VEHICLE INITIALS & NO.

REMIT C.O.D. TO:

**COD** AMT. $ _____

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

$_____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____
(Signature of Consignor)

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect.

☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

**Shipper, Per** _____ _____ **Agent, Per** _____

Permanent post-office address of shipper

3

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone: 732-721-6600 Fax:

STEEL
BUILDING A SUSTAINABLE FUTURE

**December 19, 2011**

**Division:** 6200 SAYREVILLE STEEL MILL

# PURCHASE

**Supplier:** 69923 : SCRAP COM[USD]
4801 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| December 19, 2( | 6:37:44 am | Gross: | 84,850 | lb |
| December 19, 2( | 6:50:30 am | Tare: | 39,250 | lb |
| | | Net: | 45,600 | lb |
| | | Deduction: | 0 | lb |
| | | Paid Weight: | 45,600 | lb |

**Vehicle I.D.:** KND TRUCK
**Carrier:** 0 :
**Inspector:**
**Supplier Ref:** KND25

## GRADE DETAILS

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight | |
|---|---|---|---|---|---|---|---|
| 305 | PLATE & STRUCTUR | 8052 | 45,600 | 0 | | 45,600 | lb |
| **Contract:** 649957 1 1 | | | | | | | |
| **Customer Ref:** | | | | | | | |
| | | | **45,600** | **0** | | **45,600** | lb |

**Comments:**

**Ticket No. 62636594**

**THIS MEMORANDUM** is an acknowledgement that a Bill of Lading has been issued an... duplicate, covering the property named herein, and is intended sole... ...ding, nor a copy or ... record.

| NAME OF CARRIER | CARRIER'S NO. | DATE | SHIPPER'S NO. |
|---|---|---|---|
| W. Earl & Son Trucking | [illegible] | [illegible] | [illegible] |

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of receipt by the carrier of the property described in the Original Bill of Lading, the property described below in apparent good order, except as note (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property unde the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shippe and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)
1025 Belleville Turnpike Kearny, NJ 07032
Scripcom, Inc.
Garfield Hts., OH

**TO CONSIGNEE:**
Gerdau - Sayreville

STREET
N. Crossman Rd.

DESTINATION
Sayreville, NJ

ZIP CODE
08872

| DELIVERING CARRIER | ROUTE | CAR OR VEHICLE INITIALS & NO. |
|---|---|---|
| | | |

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✔ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| | ~~[illegible]~~ #1 Empty 41300 | | | | |
| | Mill Order ~~[illegible]~~ 650332-1-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

REMIT C.O.D. TO:

**COD** AMT. $ _____

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$_____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____
(Signature of Consignor)

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect. ☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

[signature] **Shipper, Per** _____ _____ **Agent, Per** _____

Permanent post-office address of shipper

3

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone: 732-721-6600 Fax:

STEEL
BUILDING A SUSTAINABLE FUTURE

**December 16, 2011**

**Division:** 6200 SAYREVILLE STEEL MILL

# PURCHASE

**Supplier:** 69923 : SCRAP COM[USD]
4801 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| December 16, 2( | 12:47:36 pm | Gross: | 91,950 | lb |
| December 16, 2( | 12:58:02 pm | Tare: | 41,500 | lb |
| | | Net: | 50,450 | lb |
| | | Deduction: | 500 | lb |
| | | Paid Weight: | 49,950 | lb |

**Vehicle I.D.:** KND TRUCK
**Carrier:** 0 :
**Inspector:** FMUNERA
**Supplier Ref:** KND 25

## GRADE DETAILS

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight | |
|---|---|---|---|---|---|---|---|
| 01 | # 1 HEAVY MELT | 8011 | 50,450 | 500 | DIRT | 49,950 | lb |
| **Contract:** 650332 1 1 | | | | | | | |
| **Customer Ref:** | | | | | | | |
| | | | **50,450** | **500** | | **49,950** | lb |

**Comments:**

**Ticket No. 62636577**

**THIS MEMORANDUM** is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filling or record.

| NAME OF CARRIER | CARRIER'S NO. | DATE | SHIPPER'S NO. |
|---|---|---|---|
| [illegible] | [illegible] #25 [illegible] | [illegible] | [illegible] |

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of receipt by the carrier of the property described in the Original Bill of Lading, the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)

Scrapco, Inc.
[illegible] Sts., [illegible]

**TO CONSIGNEE:**
Gerdau - Sayreville

STREET
[illegible] Crossman Rd.

DESTINATION
Sayreville, NJ

ZIP CODE
[illegible]872

DELIVERING CARRIER

ROUTE

CAR OR VEHICLE INITIALS & NO.

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✔ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| | [redacted] #1 HEAVY [illegible] 9,300 | | | | |
| | Bill Order #549957-1-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

REMIT C.O.D. TO:

**COD** AMT. $ _____

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$ _____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____ (Signature of Consignor)

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect. ☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

[signature] **Shipper, Per** _____ _____ **Agent, Per** _____

Permanent post-office address of shipper

3

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone: 732-721-6600 Fax:

STEEL
BUILDING A SUSTAINABLE FUTURE

December 16, 2011

**Division:** 6200 SAYREVILLE STEEL MILL

# PURCHASE

**Supplier:** 69923 : SCRAP COM[USD]
4801 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| December 16, 2( | 10:42:09 am | Gross: | 81,000 | lb |
| December 16, 2( | 10:52:49 am | Tare: | 39,450 | lb |
| | | Net: | 41,550 | lb |
| | | Deduction: | 500 | lb |
| | | Paid Weight: | 41,050 | lb |

**Vehicle I.D.:** KND TRUCK
**Carrier:** 0 :
**Inspector:** FMUNERA
**Supplier Ref:** KND TRUCKING

## GRADE DETAILS

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight | |
|---|---|---|---|---|---|---|---|
| 801 | # 1 HEAVY MELT | 8011 | 41,550 | 500 | DIRT | 41,050 | lb |
| | | | **41,550** | **500** | | **41,050** | lb |

**Contract:** 650332 1 1
**Customer Ref:**

**Comments:**

**Ticket No. 62636562**

Version MNT 6.0.0 Build 005.04

# Shipments Out Details

Ticket Number: **62636712** **Payment Info**
Branch Number: **6200**

**Scale Weights**

| Weighing Type | Weigh Date | Weight | Weight Unit |
|---|---|---|---|
| G | 12/20/2011 | 104250 | LB |
| T | 12/20/2011 | 41300 | LB |
| | Net Weight: | 62950 | LB |

**Ticket Information**

Ticket Date: 20-Dec-2011
Your Reference: -----
Vehicle ID: SCRAPCOM
Supplier Number: 69923:SCRAP COM[USD]
Carrier: -----

Comments: -----

**Grade Information**

| Grade | Net | Unit | Deductions | Payment Weight | Contract | Deduction Reason |
|---|---|---|---|---|---|---|
| PLATE & STRUCTURAL | 62950 | LB | 0 | 62950 | 649957 1 1 | |

Version MNT 6.0.0 Build 005.04

# Shipments Out Details

Ticket Number: **62636878** **Payment Info**
Branch Number: **6200**

**Scale Weights**

| Weighing Type | Weigh Date | Weight | Weight Unit |
|---|---|---|---|
| G | 12/22/2011 | 99700 | LB |
| T | 12/22/2011 | 43350 | LB |
| | Net Weight: | 56350 | LB |

**Ticket Information**

Ticket Date: 22-Dec-2011
Your Reference: -----
Vehicle ID: AMG2
Supplier Number: 69923:SCRAP COM[USD]
Carrier: -----

Comments: -----

**Grade Information**

| Grade | Net | Unit | Deductions | Payment Weight | Contract | Deduction Reason |
|---|---|---|---|---|---|---|
| PLATE & STRUCTURAL | 56350 | LB | 500 | 55850 | 649957 1 1 | DIRT |

**THIS SHIPPING ORDER** must be legibly filled in, in ink, in in Pencil, or in Carbon, and retained by t it.

NAME OF CARRIER: KNA

CARRIER'S NO.: 25

1/6/11

SHIPPER'S NO.: 75.

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Original Shipping Order, the property described below in apparent good order, except as noted (contents and condition of contents of packages unknow marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delive at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interest in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a r water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by t shipper and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)

ScrapCom, Inc.
1025 Belleville Turnpike
Kearny, NJ 07032

**TO CONSIGNEE:**
Gerdau - Sayreville

STREET
N. Crossman Rd., Sayreville, NJ 08872

DESTINATION

ZIP CODE

DELIVERING CARRIER: Same

ROUTE

CAR OR VEHICLE INITIALS & NO.

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✔ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| | Prepared Plate & Structural | 30 Y | | | |
| | Order [redacted]-1-1 655374 | | | | |
| | | | | | |
| | Trailer #2 | | | | |
| | 39,300 Tons | | | | |
| | | | | | |

REMIT C.O.D. TO:

**COD** AMT. $ _____

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$_____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____
(Signature of Consignor)

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect. ☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

[signature] Pages #25

**Shipper, Per** [signature] Michael [illegible]

**Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.**

Permanent post-office address of shipper

2

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE NJ
08871 0249
Telephone 732 721-6600 Fax

January 09, 2012

Division: 6200 SAYREVILLE STEEL MILL

# PURCHASE

Supplier: 69925 SCRAP COM[USD]
4801 CHAINCRAFT ROAD
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| January 9, 2012 | 6:32:28 am | Gross | 84,400 | lb |
| January 9, 2012 | 6:43:12 am | Tare | 39,050 | lb |
| | | Net | 45,350 | lb |
| | | Deduction | 0 | lb |
| | | Paid Weight | 45,350 | lb |

Vehicle I.D.: SCRAPCOM TRUCK
Carrier: 0
Inspector: EMUNERA
Supplier Ref:

## GRADE DETAILS

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight | |
|---|---|---|---|---|---|---|---|
| 805 | PLATE & STRUCTUR | 8052 | 45,350 | 0 | | 45,350 | lb |
| Contract: 655274 | | | | | | | |
| Customer Ref: | | | | | | | |
| | | | 45,350 | 0 | | 45,350 | lb |

Comments

Ticket No. 62637272

**THIS SHIPPING ORDER** must be legibly filled in, in ink, in indelible Pencil, or in Carbon, and retained by the agent.

NAME OF CARRIER: DKB

CARRIER'S NO.: 102

1/3/12

SHIPPER'S NO.: 74.

**RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Original Shipping Order,** the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)

Scrapcon, Inc.
1025 Belleville Turnpike
Kearny, NJ 07032

**TO CONSIGNEE:**
Gerdau - Sayreville

STREET
4. Crossman Rd., Sayreville, NJ 08872

DESTINATION

ZIP CODE

DELIVERING CARRIER

ROUTE

CAR OR VEHICLE INITIALS & NO.

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✓ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| 001 BT | Prepared Plate & Structural | 40 yds | | | |
| | Order [redacted] 655374 | [illegible] | | | |
| | Light Weight 43860 | 29.28 ton | | | |
| | | 430 | | | |
| | | | | | |
| | | | | | |

REMIT C.O.D. TO:

**COD** AMT. $ _____

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$_____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____ (Signature of Consignor)

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect.

☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

**Shipper, Per** _____

**Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.**

Permanent post-office address of shipper

2

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone: 732-721-6600 Fax:

STEEL
BUILDING A SUSTAINABLE FUTURE

January 03, 2012

**Division:** 6200 SAYREVILLE STEEL MILL

# PURCHASE

**Supplier:** 69923 : SCRAP COM[USD]
4801 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| January 3, 2012 | 11:51:23 am | Gross: | 102,300 | lb |
| January 3, 2012 | 12:02:03 pm | Tare: | 43,600 | lb |
| | | Net: | 58,700 | lb |
| | | Deduction: | 500 | lb |
| | | Paid Weight: | 58,200 | lb |

**Vehicle I.D.:** SCRAPCON TRUCK
**Carrier:** 0 :
**Inspector:** AYANUZZ
**Supplier Ref:**

**GRADE DETAILS**

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight | |
|---|---|---|---|---|---|---|---|
| 805 | PLATE & STRUCTUR | 8052 | 58,700 | 500 | CEMENT | 58,200 | lb |

**Contract:** 655374 1 1
**Customer Ref:**

| | | | |
|---|---|---|---|
| 1 | 58,700 | 500 | ~~58,200~~ lb |

58700
26.205
$314.46
~~25,982~~
$ ~~311.78~~

**Comments:**

**Ticket No. 62637103**

**THIS SHIPPING ORDER** ... in Carbon, and retained by the agent.

| NAME OF CARRIER | CARRIER'S NO. | DATE | SHIPPER'S NO. |
|---|---|---|---|
| DKR Robert | 43 | 1/3/12 | 92. |

**RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Original Shipping Order,** the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delive at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interest in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a ra water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by th shipper and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)

ScrapCom, Inc.
1025 Belleville Turnpike
Kearny, NJ 07032

**TO CONSIGNEE:**
Gerdau - Sayreville

STREET
N. Crossman Rd., Sayreville, NJ 08872

DESTINATION

ZIP CODE

DELIVERING CARRIER

ROUTE

CAR OR VEHICLE INITIALS & NO.

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✓ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| 001 OT | #1 Heavy Melt | 84880# | | | |
| | Order [redacted] 655375 | | | | |
| | 41,100 Tons | 21.84 ton 1/15 | | | |
| | | | | | |
| | | | | | |
| | | | | | |

REMIT C.O.D. TO:

**COD** AMT. $ _____

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect. ☐ Check box if charges are Collect.

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

$_____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____
(Signature of Consignor)

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

**Shipper, Per** _____

**Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.**

Permanent post-office address of shipper

2

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone: 732-721-6600 Fax:

STEEL BUILDING A SUSTAINABLE FUTURE

January 03, 2012

**Division:** 6200 SAYREVILLE STEEL MILL

# PURCHASE

**Supplier:** 69923 : SCRAP COM[USD]
4801 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| January 3, 2012 | 2:46:53 pm | Gross: | 84,850 | lb |
| January 3, 2012 | 2:54:49 pm | Tare: | 41,300 | lb |
| | | Net: | 43,550 | lb |
| | | Deduction: | 0 | lb |
| | | Paid Weight: | 43,550 | lb |

**Vehicle I.D.:** SCRAPCOM TRUCK
**Carrier:** 0 :
**Inspector:**
**Supplier Ref:**

## GRADE DETAILS

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight | |
|---|---|---|---|---|---|---|---|
| 801 | # 1 HEAVY MELT | 8013 | 43,550 | 0 | | 43,550 | lb |
| **Contract:** 655375 1 1 | | | | | | | |
| **Customer Ref:** | | | | | | | |
| | | | **43,550** | **0** | | **43,550** | lb |

19,442

$240.00

**Comments:**

**Ticket No. 62637117**

**THIS SHIPPING ORDER** ... be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the agent.

NAME OF CARRIER: KWO

CARRIER'S NO.: 25-2

DATE: 1/7/12

SHIPPER'S NO.: 75.

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Original Shipping Order, the property described below in apparent good order, except as noted (contents and condition of contents of packages unk marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of d at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time inte in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to shipper and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)

Scrapiron, Inc.
1025 Belleville Turnpike
Kearny, NJ 07032

**TO CONSIGNEE:**

Gerdau - Savreville

STREET

N. Crossman Rd., Savreville, NJ 08872

DESTINATION

ZIP CODE

DELIVERING CARRIER

ROUTE

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✔ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| 001 CM | Prepared Plate & Structural | 30Y | | | |
| | Order [redacted]-1-1 [redacted] | | | | |
| | Tare # 39,200 | | | | |

CAR OR VEHICLE INITIALS & NO.

REMIT C.O.D. TO:

**COD** AMT. $

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$_____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____ (Signature of Consignor)

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect. ☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

Shipper, Per _____

Permanent post-office address of shipper

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

2

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone: 732-721-6600 Fax:

STEEL
BUILDING A SUSTAINABLE FUTURE

January 06, 2012

**Division:** 6200 SAYREVILLE STEEL MILL

# PURCHASE

**Supplier:** 69923 : SCRAP COM[USD]
4801 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| January 6, 2012 | 12:58:04 pm | Gross: | 75,700 | lb |
| January 6, 2012 | 1:08:43 pm | Tare: | 39,100 | lb |
| | | Net: | 36,600 | lb |
| | | Deduction: | 0 | lb |
| | | Paid Weight: | 36,600 | lb |

**Vehicle I.D.:** SCRAPCOM TRUCK
**Carrier:** 0 :
**Inspector:**
**Supplier Ref:**

## GRADE DETAILS

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight | |
|---|---|---|---|---|---|---|---|
| 305 | PLATE & STRUCTUR | 8052 | 36,600 | 0 | | 36,600 | lb |
| **Contract:** | 655374 1 1 | | | | | | |
| **Customer Ref:** | | | | | | | |
| | | | **36,600** | **0** | | **36,600** | lb |

**Comments:**

**Ticket No. 62637261**

**THIS SHIPPING ORDER** Carbon, and retained by the agent.

| NAME OF CARRIER | CARRIER'S NO. | DATE | SHIPPER'S NO. |
|---|---|---|---|
| KNO | [illegible] | 1/11/12 | 77. |

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Original Shipping Order, the property described below in apparent good order, except as noted (contents and condition of contents of packages unknow marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of deliv at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interest in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a r water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by t shipper and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)

ScrapCom, Inc.
1025 Belleville Turnpike
Kearny, NJ 07032

**TO CONSIGNEE:**
Gerdau - Sayreville

STREET
N. Crossman Rd., Sayreville, NJ 08872

DESTINATION

ZIP CODE

DELIVERING CARRIER: Same

ROUTE

CAR OR VEHICLE INITIALS & NO.

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✔ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| 001 OT | Prepared Plate & Structural | 30Y | | | |
| | Order [redacted]-1-1 ~~65537~~ | | | | |
| | 41200 empty | | | | |

REMIT C.O.D. TO:

**COD** AMT. $ _____

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect. ☐ Check box if charges are Collect.

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$_____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____ (Signature of Consignor)

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

**Shipper, Per** _____

**Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.**

Permanent post-office address of shipper

2

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08872 0249
Telephone 732-721-6600 Fax:

STEEL

January 12, 2012

**Division:** 6200 SAYREVILLE STEEL MILL

# PURCHASE

**Supplier:** 69923 SCRAP COM[USD]
4801 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | |
|---|---|---|---|
| January 12, 2012 10:38:34 am | Gross | 95,350 | lb |
| January 12, 2012 10:48:37 am | Tare: | 41 350 | lb |
| | Net: | 54,000 | lb |
| | Deduction: | 0 | lb |
| | Paid Weight: | 54,000 | lb |

**Vehicle I.D.:** SCRAPCOM TRUCK
**Carrier:** 0
**Inspector:** FMUNERA
**Supplier Ref:**

## GRADE DETAILS

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight |
|---|---|---|---|---|---|---|
| 805 | PLATE & STRUCTUR | 8052 | 54,000 | 0 | | 54,000 lb |
| | | | 54,000 | 0 | | 54,000 lb |

**Contract:** 055074 1 1
**Customer Ref:**

**Comments:**

Ticket No. 62637499

THIS SHIPPING ORDER Carbon, and retained by the agent.

| NAME OF CARRIER | CARRIER'S NO. | DATE | SHIPPER'S NO. |
|---|---|---|---|
| DVB | 102 | 1-14-12 | 78. |

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Original Shipping Order, the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delive at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interest in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a ra water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by th shipper and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)

ScrapCom, Inc.
1025 Belleville Turnpike
Kearny, NJ 07032

**TO CONSIGNEE:**
Gerdau - Sayreville

STREET
N. Crossman Rd., Sayreville, NJ 08872

DESTINATION ZIP CODE

DELIVERING CARRIER | ROUTE | CAR OR VEHICLE INITIALS & NO.

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✔ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| | Prepared Plate & Structural | | | | |
| | Order ~~[illegible]~~ 655374 | | | | |
| | | | | | |
| | ~~37~~ 44,000 LB | | | | |
| | | | | | |
| | | | | | |

REMIT C.O.D. TO:

**COD** AMT. $ _____

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$_____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____
(Signature of Consignor)

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect. ☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

**Shipper, Per** _____

**Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.**

Permanent post-office address of shipper

2

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone 732-721-6600 Fax:

January 16, 2012

**Division:** 6200 SAYREVILLE STEEL MILL

# PURCHASE

**Supplier:** 69923 : SCRAP COM[USD]
4801 CHAINCRAFT ROAD,
CARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| January 16, 2012 | 7:26:58 am | Gross: | 90,650 | lb |
| January 16, 2012 | 7:39:54 am | Tare: | 43,850 | lb |
| | | Net: | 46,800 | lb |
| | | Deduction: | 500 | lb |
| | | Paid Weight: | 46,300 | lb |

**Vehicle I.D.:** SCRAPCOM TRUCK
**Carrier:** 0 :
**Inspector:** FMUNERA
**Supplier Ref:**

## GRADE DETAILS

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight |
|---|---|---|---|---|---|---|
| 801 | # 1 HEAVY MELT | 80111 | 46,800 | 500 | DIRT | 46,300 lb |

**Contract:** 655375 1 1
**Customer Ref:**

| | | |
|---|---|---|
| 46,800 | 500 | 46,300 lb |

**Comments:**

Ticket No. 62637607

**THIS MEMORANDUM** is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filling or record.

| NAME OF CARRIER | CARRIER'S NO. | DATE | SHIPPER'S NO. |
|---|---|---|---|
| RAD Trucking Inc | TL #25 TL #2 | 12-16-11 | 51. |

**RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of receipt by the carrier of the property described in the Original Bill of Lading,** the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)

Scrapcom, Inc.
Garfield Hts., OH

**TO CONSIGNEE:**
Gerdau - Sayreville

STREET
N. Crossman Rd.

DESTINATION
Sayreville, NJ

ZIP CODE
08872

| DELIVERING CARRIER | ROUTE | CAR OR VEHICLE INITIALS & NO. |
|---|---|---|
| | | |

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✔ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| | Prepared P & S EMPT/29,300 | | | | |
| | Mill Order #649957-1-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

REMIT C.O.D. TO:

**COD** AMT. $ _____

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

**† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.**

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

**The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding**

$_____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____
(Signature of Consignor)

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect. ☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

Dennis G Loper

**Shipper, Per** _____ _____ **Agent, Per** _____

Permanent post-office address of shipper

3

85905991
TICKET NUMBER

CAT SCALE

# CERTIFIED AUTOMATED TRUCK SCALE

CAT SCALE COMPANY
P.O. BOX 630
WALCOTT, IA 52773
(563) 284-6263
www.catscale.com

**THE CAT SCALE GUARANTEE**

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.©

**WEIGH WHAT WE SAY OR WE PAY®**

If you get an overweight fine from the state AFTER one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

(1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
(2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

**CAT SCALE COLLECTOR CARD INSIDE!**

**IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:**

1) Post bond and request a court date.
2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE (Toll Free).
3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

*The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

**DATE:** 12-16-2011

908
85905991 **SCALE LOCATION:** 308
TULLO TRUCK STOP
I95 AND EXIT 15E
SOUTH KEARNY NJ

PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT & MEASURE

| | | |
|---|---|---|
| STEER AXLE | 10840 | lb |
| DRIVE AXLE | 32660 | lb |
| TRAILER AXLE | 36940 | lb |
| * GROSS WEIGHT | 80440 | lb |

IMPRINT SEAL HERE (IF APPLICABLE)

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED: FREIGHT ALL KINDS

COMPANY: TRUCKING TRACTOR #: 25 TRAILER #: 2

WEIGH NUMBER 5991

FEE: $9.50

WEIGHMASTER OR WEIGHER SIGNATURE: JAMES LORE

FULL WEIGH TICKET # (IF REWEIGH):

CUSTOMER COPY

DRIVER IN TRUCK UNLESS CHECKED HERE: ___

© CAT Scale® Reg 3037 01/11

**GERDAU**

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone: 732-721-6600 Fax:

STEEL
BUILDING A SUSTAINABLE FUTURE

**December 16, 2011**

**Division:** 6200 SAYREVILLE STEEL MILL

# PURCHASE

**Supplier:** 69923 : SCRAP COM[USD]
4801 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| December 16, 2( | 10:42:09 am | Gross: | 81,000 | lb |
| December 16, 2( | 10:52:49 am | Tare: | 39,450 | lb |
| | | Net: | 41,550 | lb |
| | | Deduction: | 500 | lb |
| | | Paid Weight: | 41,050 | lb |

**Vehicle I.D.:** KND TRUCK
**Carrier:** 0 :
**Inspector:** FMUNERA
**Supplier Ref:** KND TRUCKING

## GRADE DETAILS

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight | |
|---|---|---|---|---|---|---|---|
| 801 | # 1 HEAVY MELT | 8011 | 41,550 | 500 | DIRT | 41,050 | lb |
| | | | **41,550** | **500** | | **41,050** | lb |

**Contract:** 650332 1 1
**Customer Ref:**

**Comments:**

**Ticket No. 62636562**

| NAME OF CARRIER | CARRIER'S NO. | DATE | |
|---|---|---|---|
| W. Earl & Son Trucking | #64 #1 | 12-16-11 | 52. |

**RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of receipt by the carrier of the property described in the Original Bill of Lading,** the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)
1025 Belleville Turnpike Kearny, NJ 07032
Scrapcon, Inc.
Garfield Hts., OH

**TO CONSIGNEE:**
Gerdau - Sayreville

STREET
N. Crossman Rd.

DESTINATION
Sayreville, NJ

ZIP CODE
08872

DELIVERING CARRIER

ROUTE

CAR OR VEHICLE INITIALS & NO.

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✔ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| | [redacted] #1 Empty 41360 | | | | |
| | Mill Order [redacted] 650332-1-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

REMIT C.O.D. TO:

**COD** AMT. $ _____

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

**† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.**

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
**The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding**
$_____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____
(Signature of Consignor)

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect.

☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

**Shipper, Per** _____ _____ **Agent, Per** _____

N. [illegible]

Permanent post-office address of shipper

3

14282617
TICKET NUMBER

CAT SCALE®

**CERTIFIED AUTOMATED TRUCK SCALE**

CAT SCALE COMPANY
P.O. BOX 630
WALCOTT, IA 52773
(563) 284-6263
www.catscale.com

## THE CAT SCALE GUARANTEE

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.©

**THANK YOU FOR WEIGHING ON CAT SCALE!**

### WEIGH WHAT WE SAY OR WE PAY®

If you get an overweight fine from the state AFTER one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

(1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
(2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

**IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:**

1) Post bond and request a court date.
2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE (Toll Free).
3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

*The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

**DATE:** 12-16-2011

1135
14282617 **SCALE** 308
**LOCATION:** TULLO TRUCK STOP
I95 AND EXIT 15E
SOUTH KEARNY NJ

PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT & MEASURE

| | |
|---|---|
| STEER AXLE | 11480 lb |
| DRIVE AXLE | 39200 lb |
| TRAILER AXLE | 40600 lb |
| * GROSS WEIGHT | 91280 lb |

IMPRINT SEAL HERE (IF APPLICABLE)

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED: FREIGHT ALL KINDS

COMPANY: T--

TRACTOR #: 69 TRAILER #: 11

WEIGH NUMBER 2617

FEE $9.50

WEIGHMASTER OR WEIGHER SIGNATURE: PHILIP LORE

FULL WEIGH TICKET # (IF REWEIGH):

CUSTOMER COPY

DRIVER IN TRUCK UNLESS CHECKED HERE: ___

©CAT SCALE® REG 3001 1/11

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone: 732-721-6600 Fax:

STEEL
BUILDING A SUSTAINABLE FUTURE

December 16, 2011

**Division:** 6200 SAYREVILLE STEEL MILL

# PURCHASE

**Supplier:** 69923 : SCRAP COM[USD]
4801 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| December 16, 2( | 12:47:36 pm | Gross: | 91,950 | lb |
| December 16, 2( | 12:58:02 pm | Tare: | 41,500 | lb |
| | | Net: | 50,450 | lb |
| | | Deduction: | 500 | lb |
| | | Paid Weight: | 49,950 | lb |

**Vehicle I.D.:** KND TRUCK
**Carrier:** 0 :
**Inspector:** FMUNERA
**Supplier Ref:** KND 25

## GRADE DETAILS

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight | |
|---|---|---|---|---|---|---|---|
| 801 | # 1 HEAVY MELT | 8011 | 50,450 | 500 | DIRT | 49,950 | lb |
| **Contract:** | 650332 1 1 | | | | | | |
| **Customer Ref:** | | | | | | | |
| | | | **50,450** | **500** | | **49,950** | lb |

**Comments:**

**Ticket No. 62636577**

**THIS MEMORANDUM** is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filling or record.

SHIPPER'S NO. 53.

NAME OF CARRIER

CARRIER'S NO.

DATE 12-12-11

**RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of receipt by the carrier of the property described in the Original Bill of Lading,** the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)
1025 Belleville Turnpike Kearny, NJ 07032
Scrapcom, Inc.
Garfield Hts., OH

**TO CONSIGNEE:**
Gerdau - Sayreville

STREET
N. Crossman Rd.

DESTINATION
Sayreville, NJ

ZIP CODE
08872

DELIVERING CARRIER

ROUTE

CAR OR VEHICLE INITIALS & NO.

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✔ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| | Prepared P & S Empty 39300 | | | | |
| | Mill Order #649957-1-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

REMIT C.O.D. TO:

**COD** AMT. $ _____

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

† **Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.**

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
**The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding**
$_____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____
(Signature of Consignor)

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect.

☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

**Shipper, Per** _____ _____ **Agent, Per** _____

Permanent post-office address of shipper

3

14282754

TICKET NUMBER

CAT SCALE®

# CERTIFIED AUTOMATED TRUCK SCALE

CAT SCALE COMPANY
P.O. BOX 630
WALCOTT, IA 52773
(563) 284-6263
www.catscale.com

PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT & MEASURE

## THE CAT SCALE GUARANTEE

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.©

**THANK YOU FOR WEIGHING ON CAT SCALE!**

### WEIGH WHAT WE SAY OR WE PAY®

If you get an overweight fine from the state AFTER one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

(1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
(2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

**IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:**

1) Post bond and request a court date.
2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE (Toll Free).
3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

*The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

**DATE:** 12-17-2011

**SCALE LOCATION:** 308
TULLO TRUCK STOP
I95 AND EXIT 15E
SOUTH KEARNY NJ

| | |
|---|---|
| STEER AXLE | 11160 lb |
| DRIVE AXLE | 35760 lb |
| TRAILER AXLE | 38200 lb |
| * GROSS WEIGHT | 85120 lb |

IMPRINT SEAL HERE (IF APPLICABLE)

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED: FREIGHT ALL KINDS

COMPANY: TRUCKING TRACTOR #: 25 TRAILER #: 2

WEIGH NUMBER 2754

FEE: $9.50

WEIGHMASTER OR WEIGHER SIGNATURE: JAMES LORE

FULL WEIGH TICKET # (IF REWEIGH):

DRIVER IN TRUCK UNLESS CHECKED HERE: ___

CUSTOMER COPY

© CAT SCALE® REG 3001 1/11

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone: 732-721-6600 Fax:

STEEL
BUILDING A SUSTAINABLE FUTURE

December 19, 2011

**Division:** 6200 SAYREVILLE STEEL MILL

# PURCHASE

**Supplier:** 69923 : SCRAP COM[USD]
4801 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| December 19, 2( | 6:37:44 am | Gross: | 84,850 | lb |
| December 19, 2( | 6:50:30 am | Tare: | 39,250 | lb |
| | | Net: | 45,600 | lb |
| | | Deduction: | 0 | lb |
| | | Paid Weight: | 45,600 | lb |

**Vehicle I.D.:** KND TRUCK
**Carrier:** 0 :
**Inspector:**
**Supplier Ref:** KND25

## GRADE DETAILS

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight | |
|---|---|---|---|---|---|---|---|
| 305 | PLATE & STRUCTUR | 8052 | 45,600 | 0 | | 45,600 | lb |
| | | | **45,600** | **0** | | **45,600** | lb |

**Contract:** 649957 1 1
**Customer Ref:**

**Comments:**

**Ticket No. 62636594**

**THIS MEMORANDUM** is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filling or record.

| NAME OF CARRIER | CARRIER'S NO. | DATE | SHIPPER'S NO. |
|---|---|---|---|
| | #69 / 11 | 12-17-11 | 54. |

**RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of receipt by the carrier of the property described in the Original Bill of Lading,** the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)
1025 Belleville Turnpike Kearny NJ 07032
Scrapcom, Inc.
Garfield Hts., OH

**TO CONSIGNEE:**
Gerdau - Sayreville

STREET
N. Crossman Rd.

DESTINATION
Sayreville, NJ

ZIP CODE
08872

DELIVERING CARRIER

ROUTE

CAR OR VEHICLE INITIALS & NO.

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✔ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| | Prepared P & S Empty 41200 | | | | |
| | Mill Order #649957-1-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

REMIT C.O.D. TO:

**COD** AMT. $ _____

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

**† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.**

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

**The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding**

$_____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____
(Signature of Consignor)

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect.

☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

**Shipper, Per** _____ _____ **Agent, Per** _____

Permanent post-office address of shipper

3

14282771
TICKET NUMBER

CAT SCALE®

# CERTIFIED AUTOMATED TRUCK SCALE

CAT SCALE COMPANY
P.O. BOX 630
WALCOTT, IA 52773
(563) 284-6263
www.catscale.com

## THE CAT SCALE GUARANTEE

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.©

**THANK YOU FOR WEIGHING ON CAT SCALE!**

## WEIGH WHAT WE SAY OR WE PAY®

If you get an overweight fine from the state AFTER one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

(1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
(2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

**IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:**

1) Post bond and request a court date.
2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE (Toll Free).
3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

*The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

**DATE:** 12-17-2011

1627
14282771 **SCALE** 308
**LOCATION:** TULLO TRUCK STOP
I95 AND EXIT 15E
SOUTH KEARNY NJ

PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT & MEASURE

| | | |
|---|---|---|
| STEER AXLE | 11360 | lb |
| DRIVE AXLE | 39840 | lb |
| TRAILER AXLE | 42360 | lb |
| * GROSS WEIGHT | 93560 | lb |

IMPRINT SEAL HERE (IF APPLICABLE)

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED: FREIGHT ALL KINDS

COMPANY: T=====  TRACTOR #: 59  TRAILER #: 1

WEIGH NUMBER 2771

FEE $9.50  WEIGHMASTER OR WEIGHER SIGNATURE: ANIL KUMAR  FULL WEIGH TICKET # (IF REWEIGH):

DRIVER IN TRUCK UNLESS CHECKED HERE: ___

CUSTOMER COPY

©CAT SCALE® REG 3001 1/11

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone: 732-721-6600 Fax:

December 19, 2011

Division: 6200 SAYREVILLE STEEL MILL

# PURCHASE

Supplier: 69923 SCRAP COM[USD]
4801 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| December 19, 2( | 6:53:13 am | Gross: | 93,550 | lb |
| December 19, 2( | 7:05:26 am | Tare: | 40,850 | lb |
| | | Net: | 52,700 | lb |
| | | Deduction: | 0 | lb |
| | | Paid Weight: | 52,700 | lb |

Vehicle I.D.: KND2 TRUCK
Carrier: 0
Inspector:
Supplier Ref: KND69

## GRADE DETAILS

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight | |
|---|---|---|---|---|---|---|---|
| 305 | PLATE & STRUCTUR | 8052 | 52 700 | 0 | | 52 700 | lb |
| Contract: 649957 1 1 | | | | | | | |
| Customer Ref: | | | | | | | |
| | | | 52,700 | 0 | | 52,700 | lb |

Comments:

Ticket No. 62636596

**THIS MEMORANDUM** is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filling or record.

| NAME OF CARRIER | CARRIER'S NO. | DATE | SHIPPER'S NO. |
|---|---|---|---|
| | RNO #25 | 12-20-11 | 72. |

**RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of receipt by the carrier of the property described in the Original Bill of Lading,** the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)

ScrapCom, Inc.
1025 Belleville Turnpike
Kearny, NJ 07032

**TO CONSIGNEE:**
Gerdau - Sayreville

STREET
N. Crossman Rd., Sayreville, NJ 08872

DESTINATION | ZIP CODE

| DELIVERING CARRIER | ROUTE | CAR OR VEHICLE INITIALS & NO. |
|---|---|---|
| | | |

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✔ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| | Prepared Plate & Structural Empty 39,300 | | | | |
| | Order #649957-1-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

REMIT C.O.D. TO:

**COD** AMT. $ _____

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

**† Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.**

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
**The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding**
$_____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____
(Signature of Consignor)

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect. ☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

**Shipper, Per** _____ _____ **Agent, Per** _____

Dennis Y Lopez #25
Permanent post-office address of shipper

3

14283054

TICKET NUMBER

CAT SCALE®

**CERTIFIED AUTOMATED TRUCK SCALE**

CAT SCALE COMPANY
P.O. BOX 630
WALCOTT, IA 52773
(563) 284-6263
www.catscale.com

## THE CAT SCALE GUARANTEE

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.©

**THANK YOU FOR WEIGHING ON CAT SCALE!**

### WEIGH WHAT WE SAY OR WE PAY®

If you get an overweight fine from the state AFTER one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

(1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
(2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

**IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:**

1) Post bond and request a court date.
2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE (Toll Free).
3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

*The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

**DATE:** 12-20-2011

1629
14283054

**SCALE** 308

**LOCATION:** TULLO TRUCK STOP
I95 AND EXIT 15E
SOUTH KEARNY NJ

PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT & MEASURE

| | |
|---|---|
| STEER AXLE | 10840 lb |
| DRIVE AXLE | 31780 lb |
| TRAILER AXLE | 35300 lb |
| * GROSS WEIGHT | 77920 lb |

IMPRINT SEAL HERE (IF APPLICABLE)

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED: FREIGHT ALL KINDS

COMPANY: TRUCKING

TRACTOR #: 25 TRAILER #: 2

WEIGH NUMBER 3054

FEE $9.50

WEIGHMASTER OR WEIGHER SIGNATURE: BALDEV K SACHDEV

FULL WEIGH TICKET # (IF REWEIGH)

CUSTOMER COPY

DRIVER IN TRUCK UNLESS CHECKED HERE: ___

© CAT SCALE® REG 3001 1/11

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone 732-721-6600 Fax

December 21, 2011

Division: 6200 SAYREVILLE STEEL MILL

# PURCHASE

Supplier: 69923 . SCRAP COM[USD]
4601 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| December 21, 2( | 6:28:39 am | Gross: | 78,050 | lb |
| December 21, 2( | 6:37:42 am | Tare: | 39,200 | lb |
| | | Net: | 38,850 | lb |
| | | Deduction: | 0 | lb |
| | | Paid Weight: | 38,850 | lb |

Vehicle I.D.: SCRAPCOM TRUCK
Carrier: 0
Inspector: AYANUZZ
Supplier Ref:

## GRADE DETAILS

| Grade | | Loc. | Weight | Deduction | Ded. Reason | Paid Weight | |
|---|---|---|---|---|---|---|---|
| 305 | PLATE & STRUCTUR | 8052 | 38,850 | 0 | | 38,850 | lb |
| | | | 38,850 | 0 | | 38,850 | lb |

Contract: 649957 1 1
Customer Ref:

Comments:

Ticket No. 62636752

**THIS MEMORANDUM** is an acknowledgement that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filling or record.

SHIPPER'S NO. 91.

NAME OF CARRIER

CARRIER'S NO. 16

DATE 12-19-11

**RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of receipt by the carrier of the property described in the Original Bill of Lading,** the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that any service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

**FROM SHIPPER:**
(ORIGIN)

ScrapCom, Inc.
1025 Belleville Turnpike
Kearny, NJ 07032

**TO CONSIGNEE:**
Gerdau - Sayreville

STREET
N. Crossman Rd., Sayreville, NJ 08872

DESTINATION

ZIP CODE

DELIVERING CARRIER

ROUTE

CAR OR VEHICLE INITIALS & NO.

| NO. PACKAGES | KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS | *WEIGHT (SUBJECT TO CORR.) | CLASS OR RATE | ✔ | CHARGES (FOR CARRIER USE ONLY) |
|---|---|---|---|---|---|
| | #1 Heavy Melt Empty 44,000 | | | | |
| | Order #650332 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

REMIT C.O.D. TO:

**COD** AMT. $ _____

**C.O.D. FEE:**
☐ Prepaid
☐ Collect $

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

† **Shipper's imprints in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.**

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
**The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding**
$_____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____
(Signature of Consignor)

**TOTAL CHARGES $**

Freight charges are PREPAID unless marked collect. ☐ Check box if charges are Collect.

"This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation".

**Shipper, Per** _____ _____ **Agent, Per** _____

Permanent post-office address of shipper

3

14282901
TICKET NUMBER

CAT SCALE®

# CERTIFIED AUTOMATED TRUCK SCALE

CAT SCALE COMPANY
P.O. BOX 630
WALCOTT, IA 52773
(563) 284-6263
www.catscale.com

PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT & MEASURE

## THE CAT SCALE GUARANTEE

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.©

**THANK YOU FOR WEIGHING ON CAT SCALE!**

### WEIGH WHAT WE SAY OR WE PAY®

If you get an overweight fine from the state AFTER one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

(1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
(2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

**IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:**

1) Post bond and request a court date.
2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE (Toll Free).
3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

*The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

**DATE:** 12-19-2011

**SCALE LOCATION:** 308
TULLO TRUCK STOP
I95 AND EXIT 15E
SOUTH KEARNY NJ

| | |
|---|---|
| STEER AXLE | 9840 lb |
| DRIVE AXLE | 45780 lb |
| TRAILER AXLE | 42720 lb |
| * GROSS WEIGHT | 98340 lb |

IMPRINT SEAL HERE (IF APPLICABLE)

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED: FREIGHT ALL KINDS

COMPANY: TRUCKING  TRACTOR #: 16  TRAILER #: 4

WEIGH NUMBER 2901

FEE: $9.50  WEIGHMASTER OR WEIGHER SIGNATURE: BALDEV K SACHDEV  FULL WEIGH TICKET # (IF REWEIGH):

DRIVER IN TRUCK UNLESS CHECKED HERE: ___

CUSTOMER COPY

©CAT SCALE® REG 3001 1/11

GERDAU

SAYREVILLE STEEL MILL
NORTH CROSSMAN ROAD
SAYREVILLE, NJ
08871-0249
Telephone: 732-721-6600 Fax:

STEEL

December 20, 2011

Division: 6200 SAYREVILLE STEEL MILL

# PURCHASE

Supplier: 69923 : SCRAP COM[USD]
4801 CHAINCRAFT ROAD,
GARDFIELD HTS
OH
44125

| | | | | |
|---|---|---|---|---|
| December 20, 2( | 6:48:50 am | Gross: | 98,200 | lb |
| December 20, 2( | 7:02:29 am | Tare: | 43,750 | lb |
| | | Net | 54,450 | lb |
| | | Deduction: | 500 | lb |
| | | Paid Weight: | 53,950 | lb |

Vehicle I.D.: SCRAPCON TRUCK
Carrier: 0
Inspector: AYANUZZ
Supplier Ref:

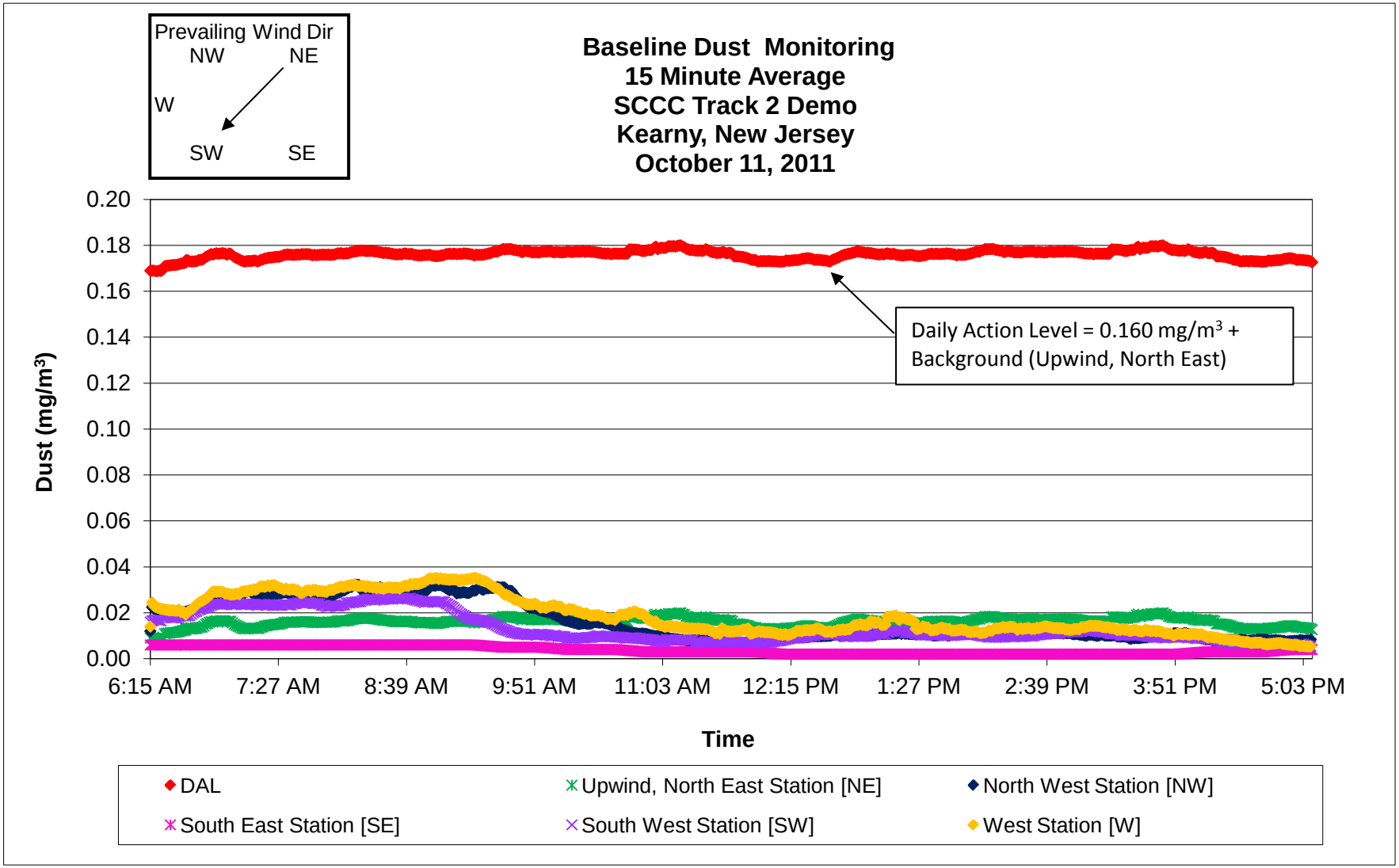
## GRADE DETAILS

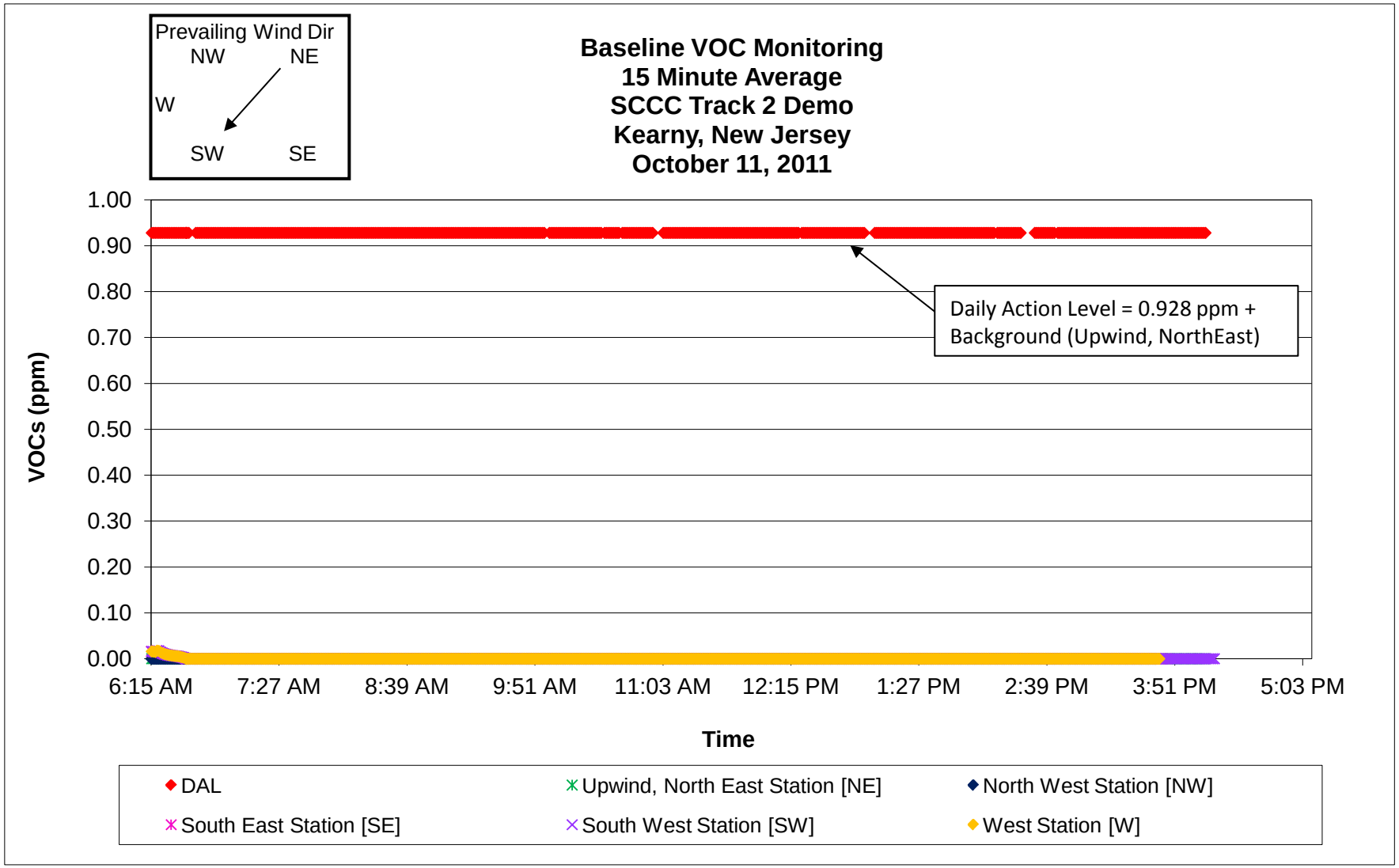
| Grade | Loc. | Weight | Deduction | Ded. Reason | Paid Weight |
|---|---|---|---|---|---|
| # 1 HEAVY MELT | 8011 | 54,450 | 500 | DIRT | 53,950 lb |
| | | 54,450 | 500 | | 53,950 lb |

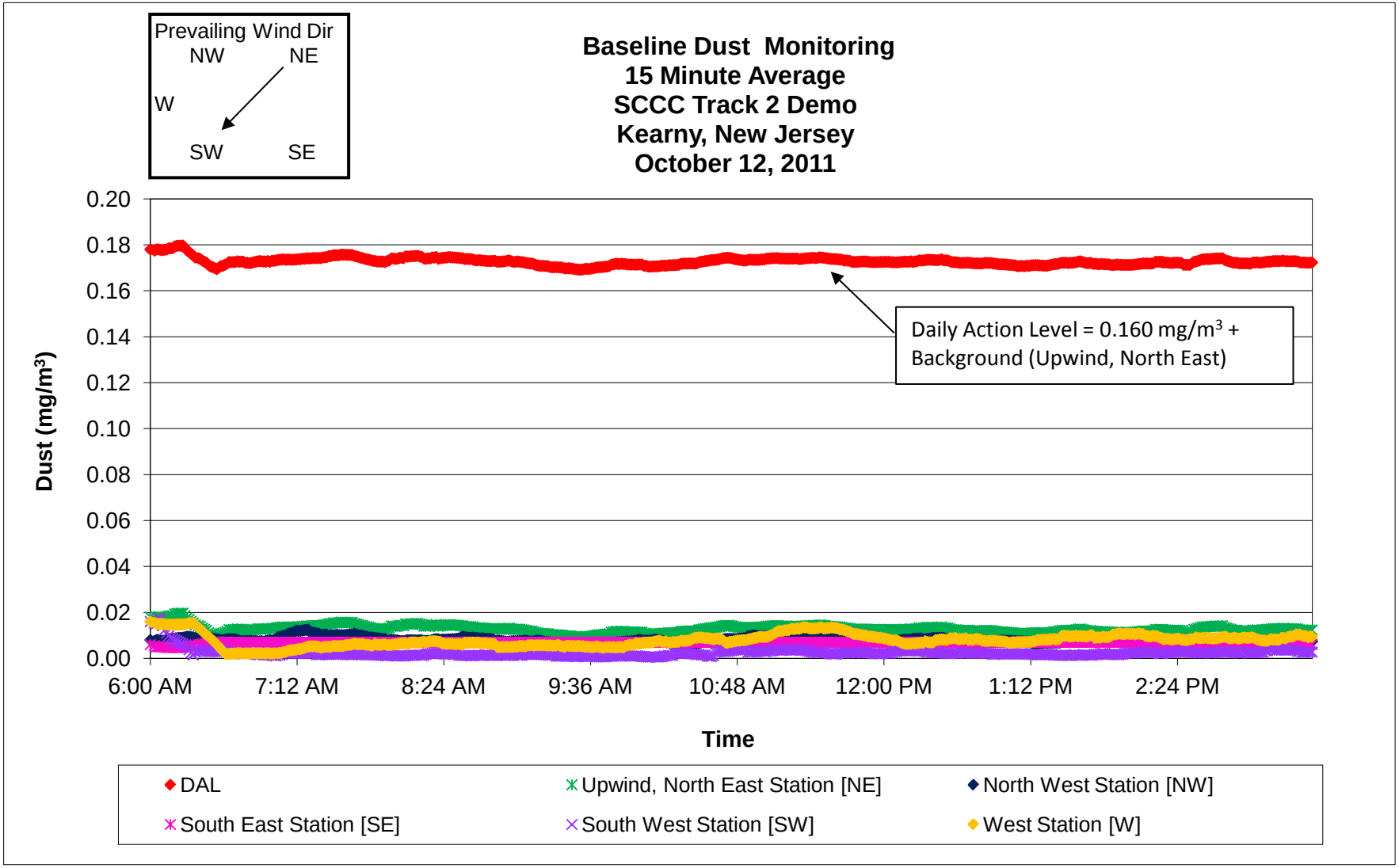
Contract: 650332 1 1
Customer Ref:

Comments:

Ticket No. 62636674


Prevailing Wind Dir
NW
NE
W
SW
SE
Baseline Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
October 11, 2011
Daily Action Level = 0.160 mg/m3 + Background (Upwind, North East)
Dust (mg/m3)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:15 AM
7:27 AM
8:39 AM
9:51 AM
11:03 AM
12:15 PM
1:27 PM
2:39 PM
3:51 PM
5:03 PM
Time
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]


Prevailing Wind Dir
NW
NE
W
SW
SE
Baseline VOC Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
October 11, 2011
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Daily Action Level = 0.928 ppm +
Background (Upwind, NorthEast)
6:15 AM
7:27 AM
8:39 AM
9:51 AM
11:03 AM
12:15 PM
1:27 PM
2:39 PM
3:51 PM
5:03 PM
Time
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]


Prevailing Wind Dir
NW
NE
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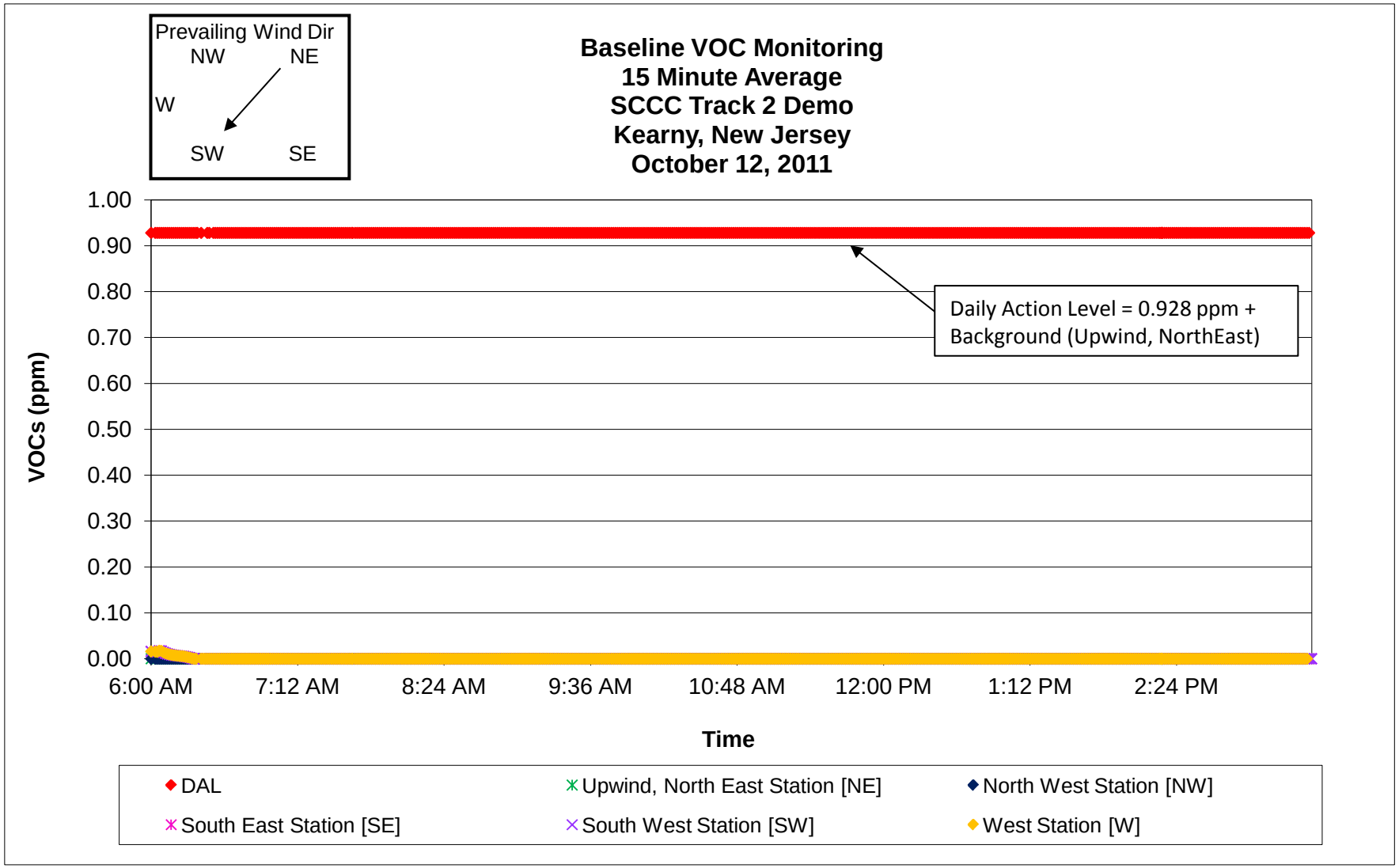
SW
SE
Baseline Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
October 12, 2011
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:00 AM
7:12 AM
8:24 AM
9:36 AM
10:48 AM
12:00 PM
1:12 PM
2:24 PM
Time
Daily Action Level = 0.160 mg/m³ + Background (Upwind, North East)
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]


Prevailing Wind Dir
NW
NE
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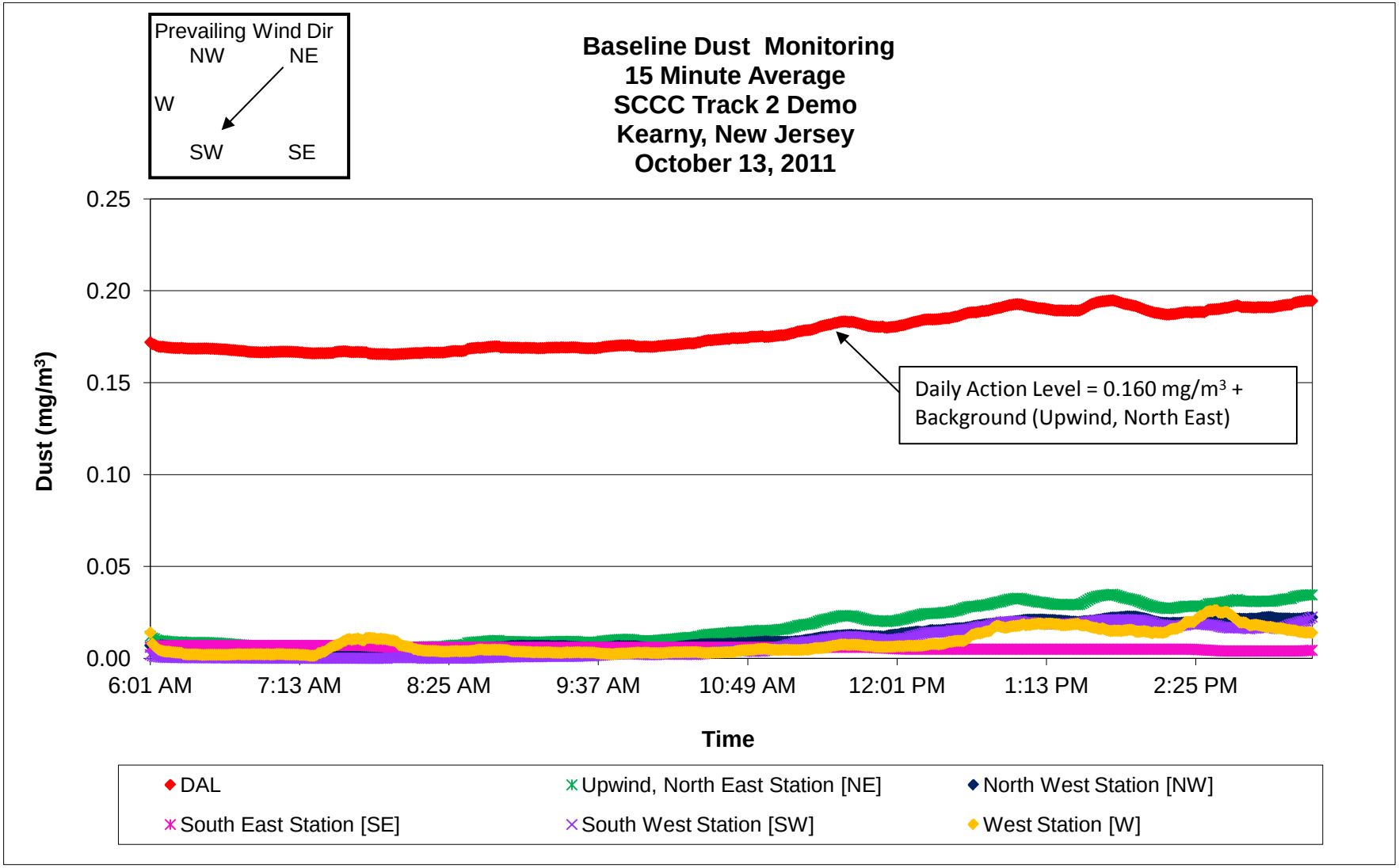
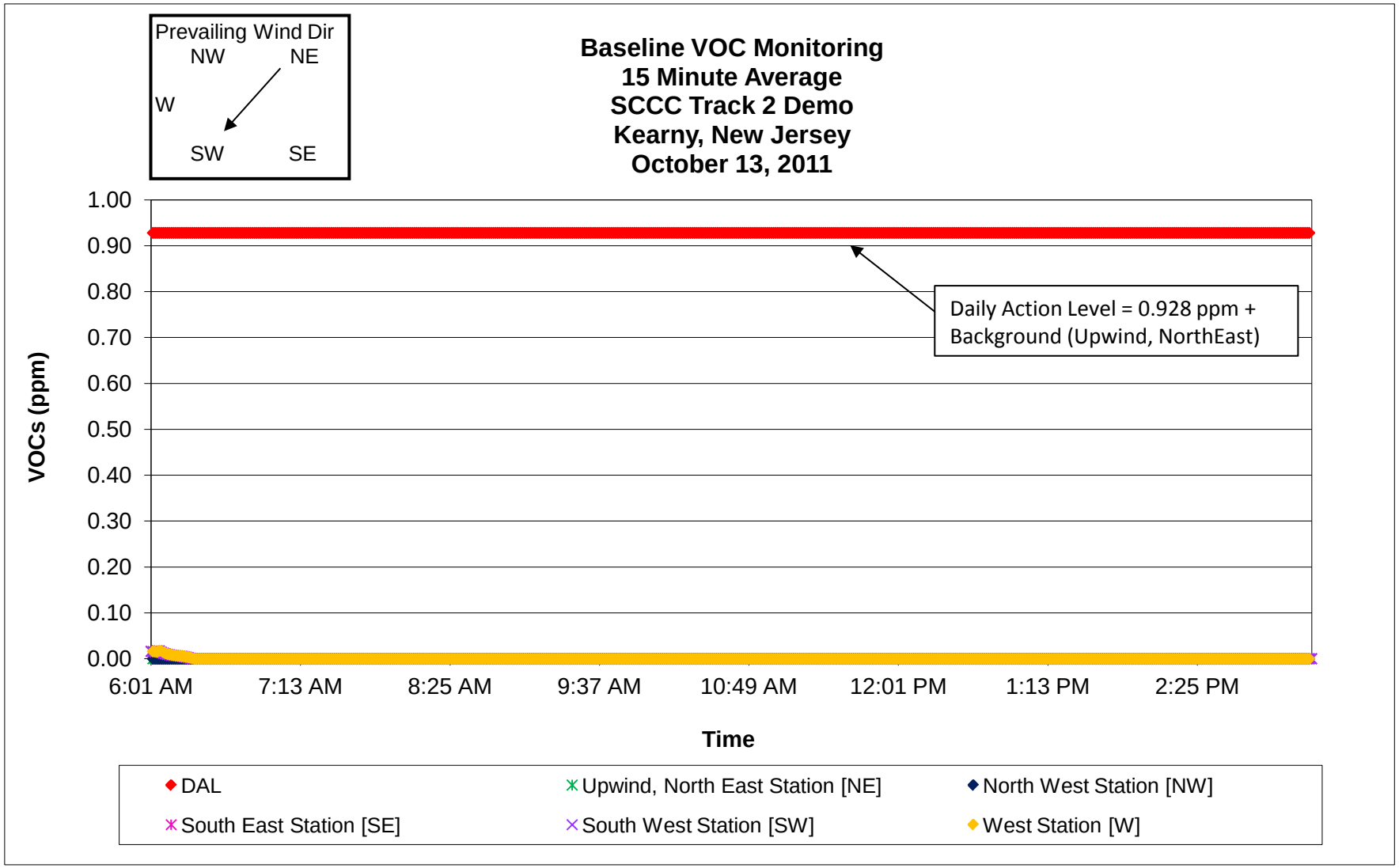
SE
Baseline VOC Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
October 12, 2011
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
6:00 AM
7:12 AM
8:24 AM
9:36 AM
10:48 AM
12:00 PM
1:12 PM
2:24 PM
Time
Daily Action Level = 0.928 ppm + Background (Upwind, NorthEast)
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]


Prevailing Wind Dir
NW
NE
W
SW
SE
Baseline Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
October 13, 2011
Dust (mg/m³)
0.25
0.20
0.15
0.10
0.05
0.00
6:01 AM
7:13 AM
8:25 AM
9:37 AM
10:49 AM
12:01 PM
1:13 PM
2:25 PM
Time
Daily Action Level = 0.160 mg/m³ + Background (Upwind, North East)
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]


Prevailing Wind Dir
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Baseline VOC Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
October 13, 2011
VOCs (ppm)
1.00
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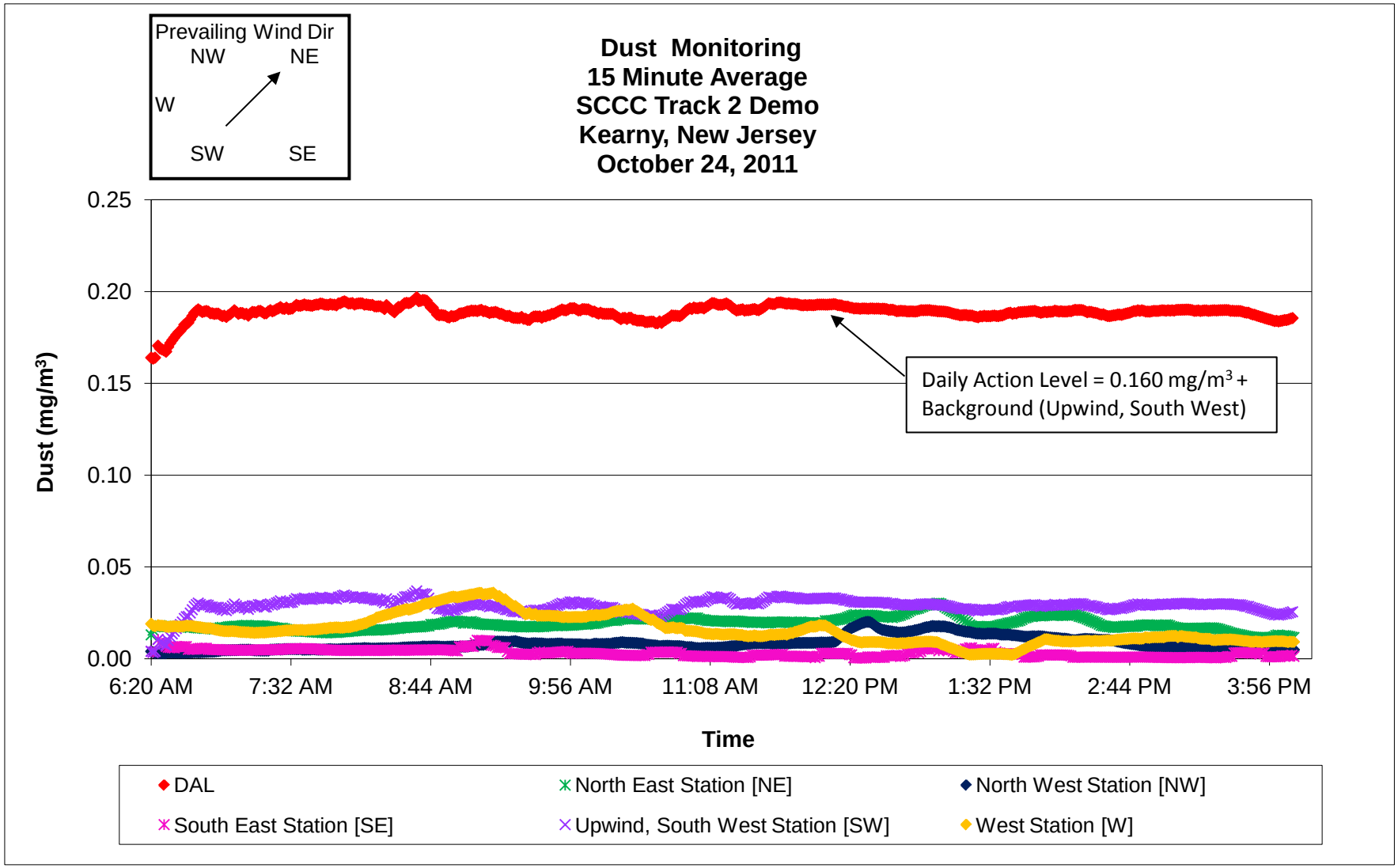
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
6:01 AM
7:13 AM
8:25 AM
9:37 AM
10:49 AM
12:01 PM
1:13 PM
2:25 PM
Time
Daily Action Level = 0.928 ppm + Background (Upwind, NorthEast)
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]


Prevailing Wind Dir
NW
NE
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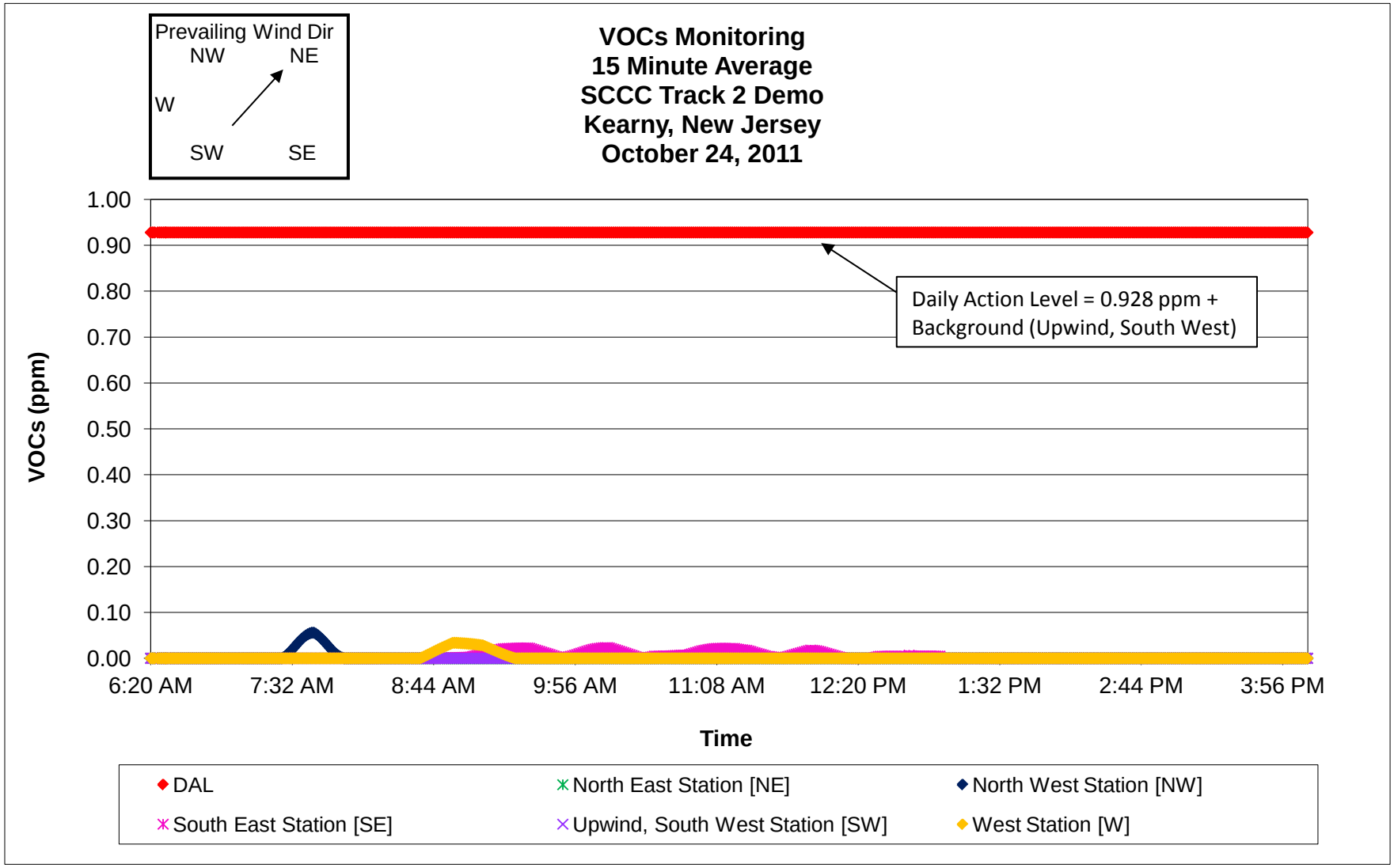
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
October 24, 2011
Dust (mg/m³)
0.25
0.20
0.15
0.10
0.05
0.00
6:20 AM
7:32 AM
8:44 AM
9:56 AM
11:08 AM
12:20 PM
1:32 PM
2:44 PM
3:56 PM
Time
Daily Action Level = 0.160 mg/m³ + Background (Upwind, South West)
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
Upwind, South West Station [SW]
West Station [W]


Prevailing Wind Dir
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SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
October 24, 2011
Daily Action Level = 0.928 ppm + Background (Upwind, South West)
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
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0.10
0.00
6:20 AM
7:32 AM
8:44 AM
9:56 AM
11:08 AM
12:20 PM
1:32 PM
2:44 PM
3:56 PM
Time
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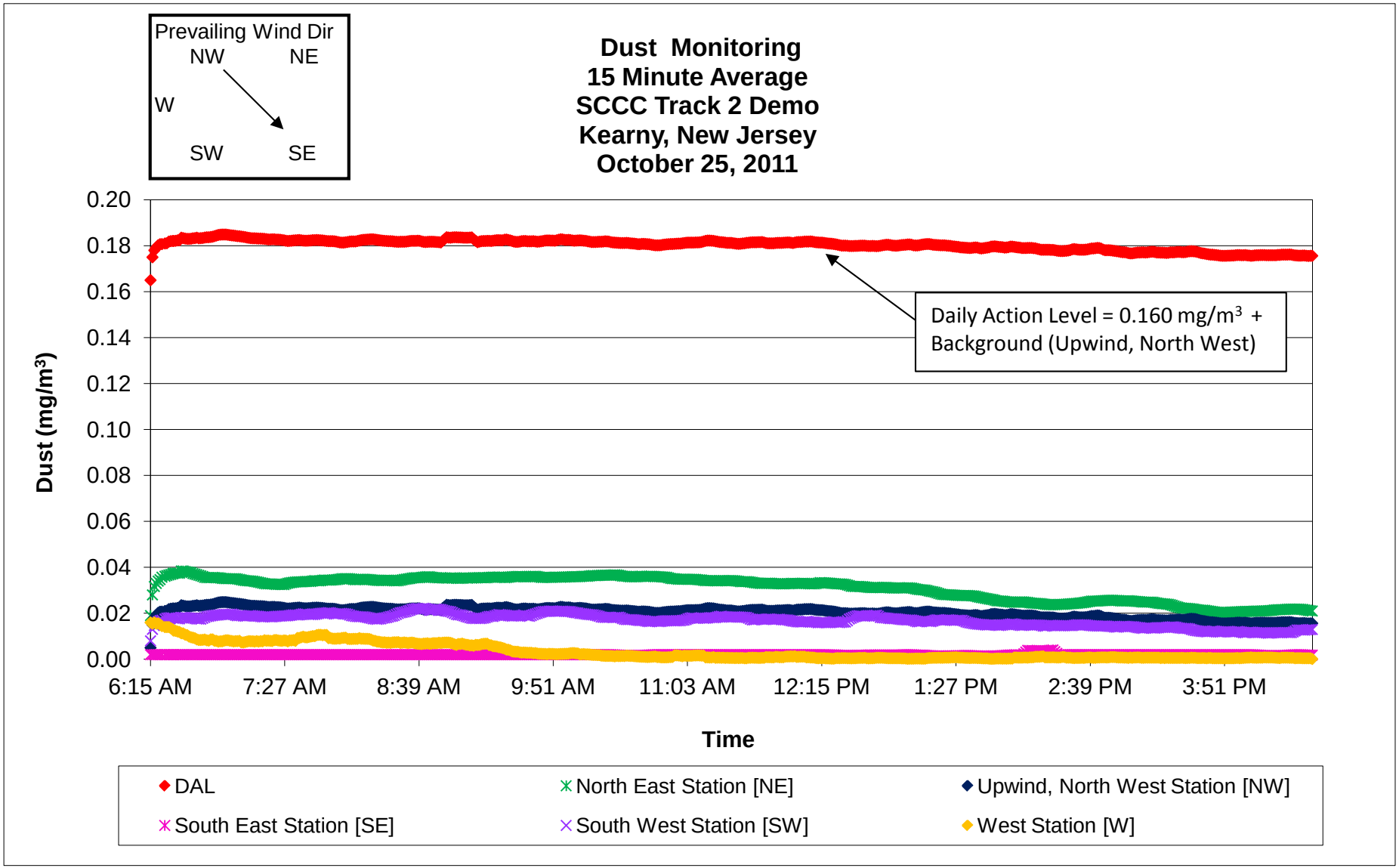
North East Station [NE]
North West Station [NW]
South East Station [SE]
Upwind, South West Station [SW]
West Station [W]


Prevailing Wind Dir
NW
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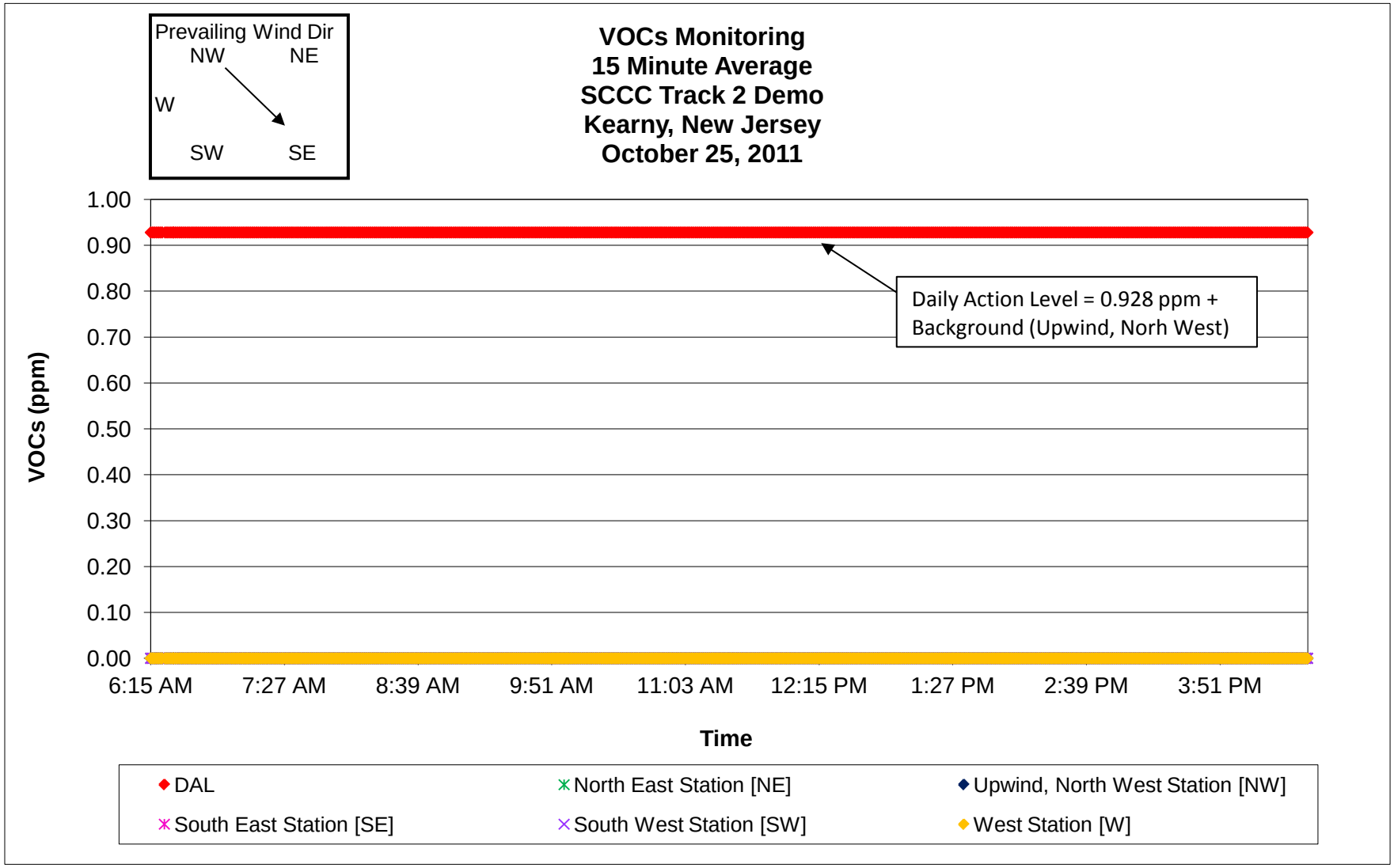
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
October 25, 2011
Daily Action Level = 0.160 mg/m³ + Background (Upwind, North West)
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:15 AM
7:27 AM
8:39 AM
9:51 AM
11:03 AM
12:15 PM
1:27 PM
2:39 PM
3:51 PM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]


Prevailing Wind Dir
NW
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W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
October 25, 2011
Daily Action Level = 0.928 ppm + Background (Upwind, Norh West)
VOCs (ppm)
1.00
0.90
0.80
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6:15 AM
7:27 AM
8:39 AM
9:51 AM
11:03 AM
12:15 PM
1:27 PM
2:39 PM
3:51 PM
Time
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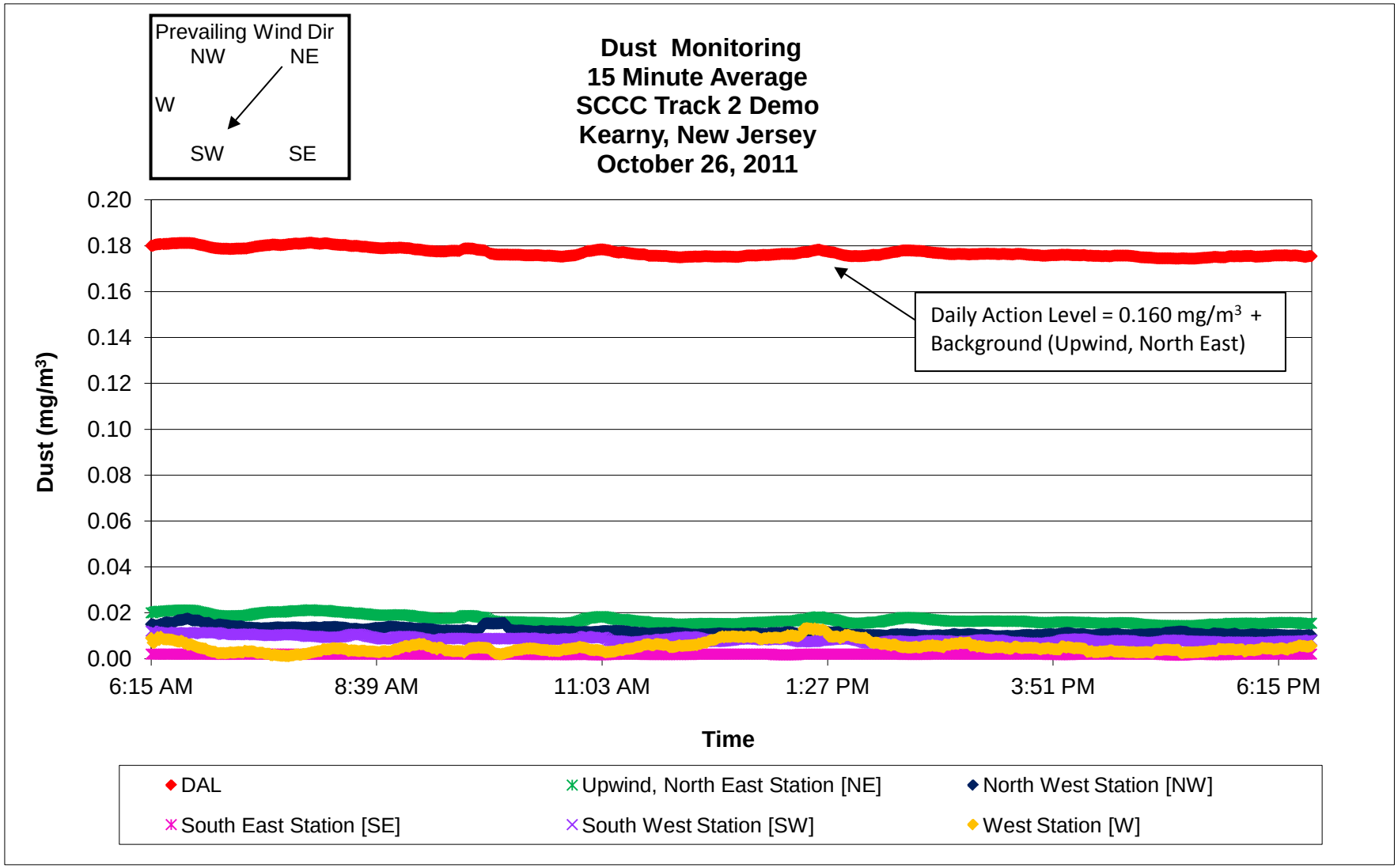
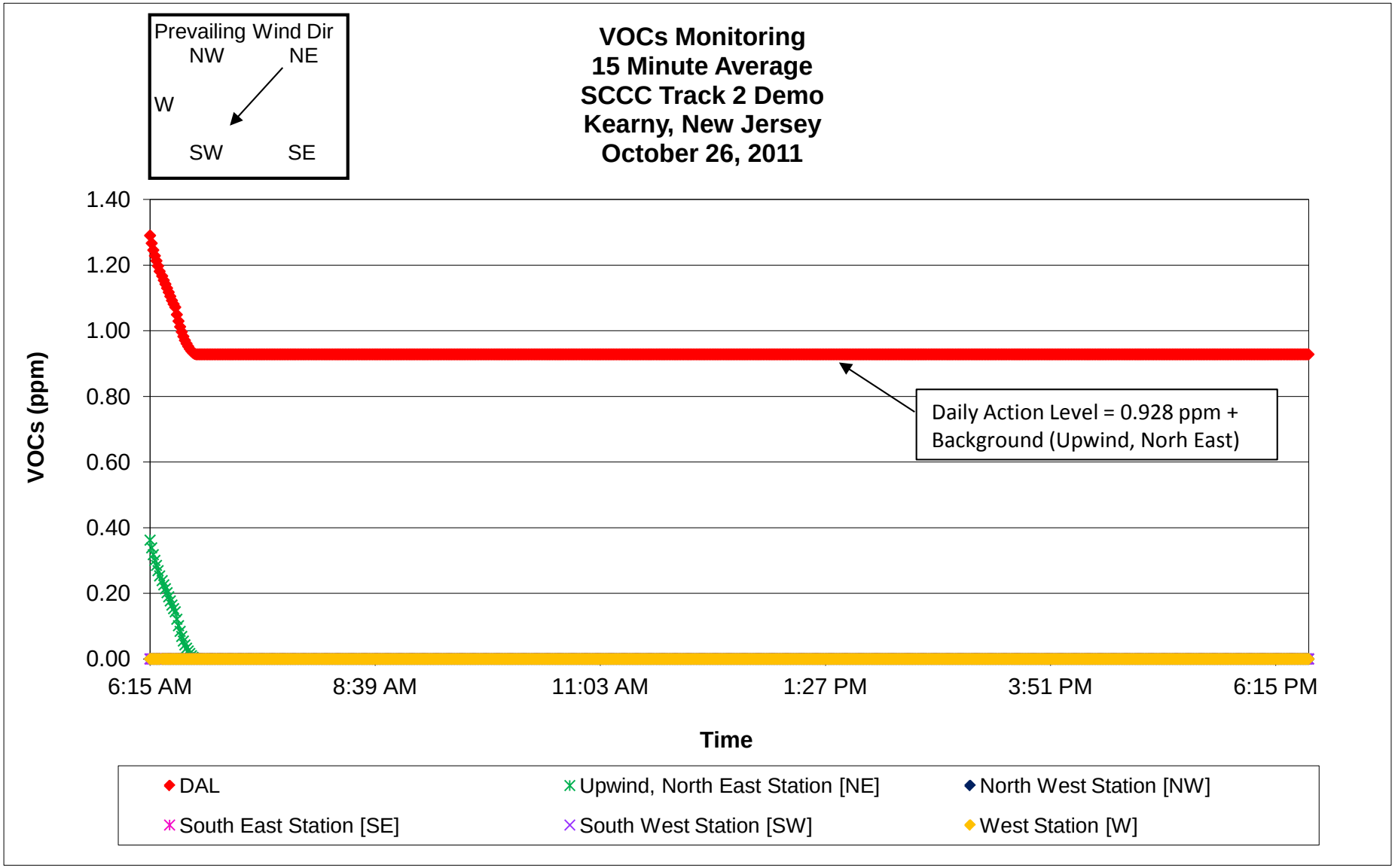
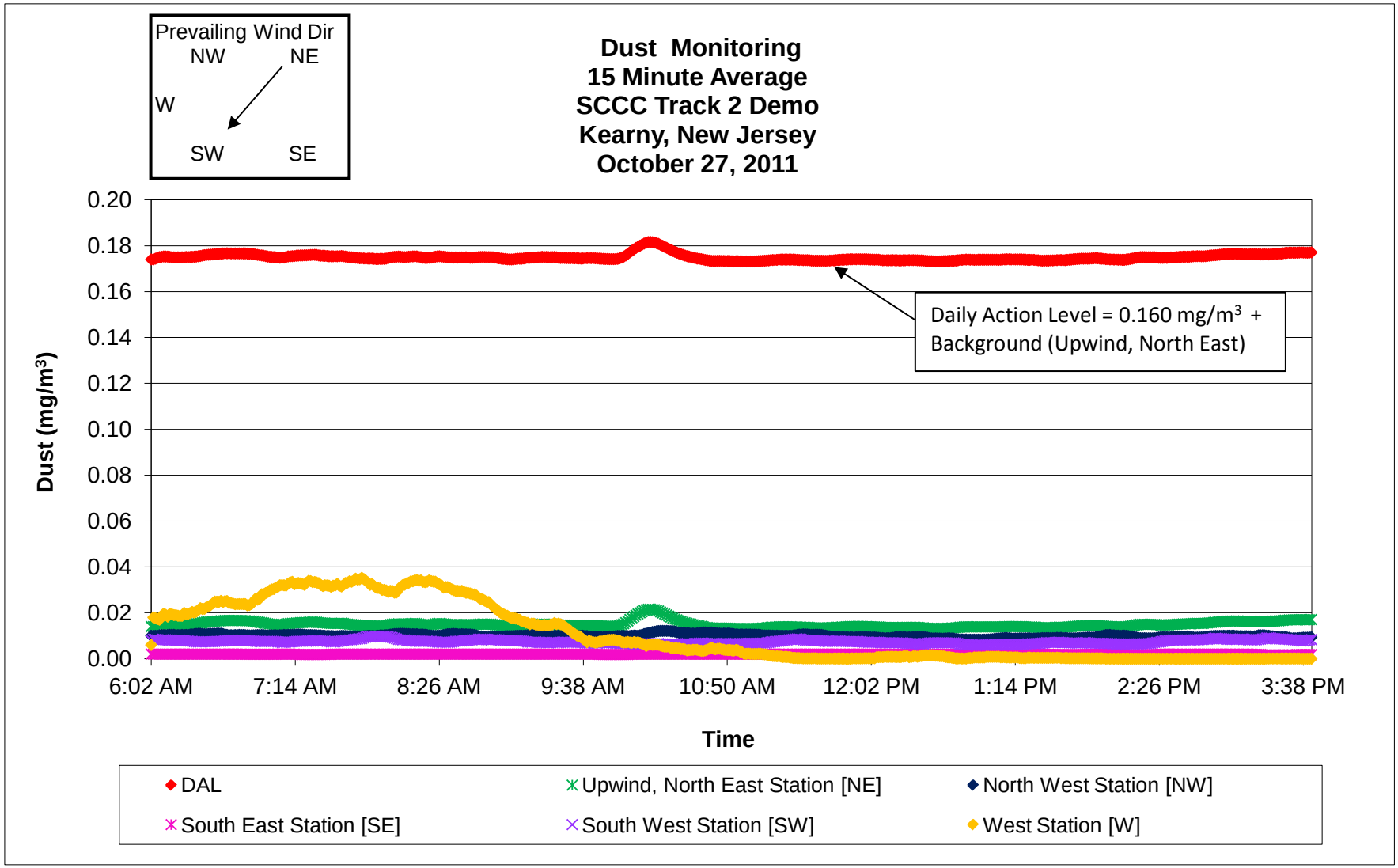
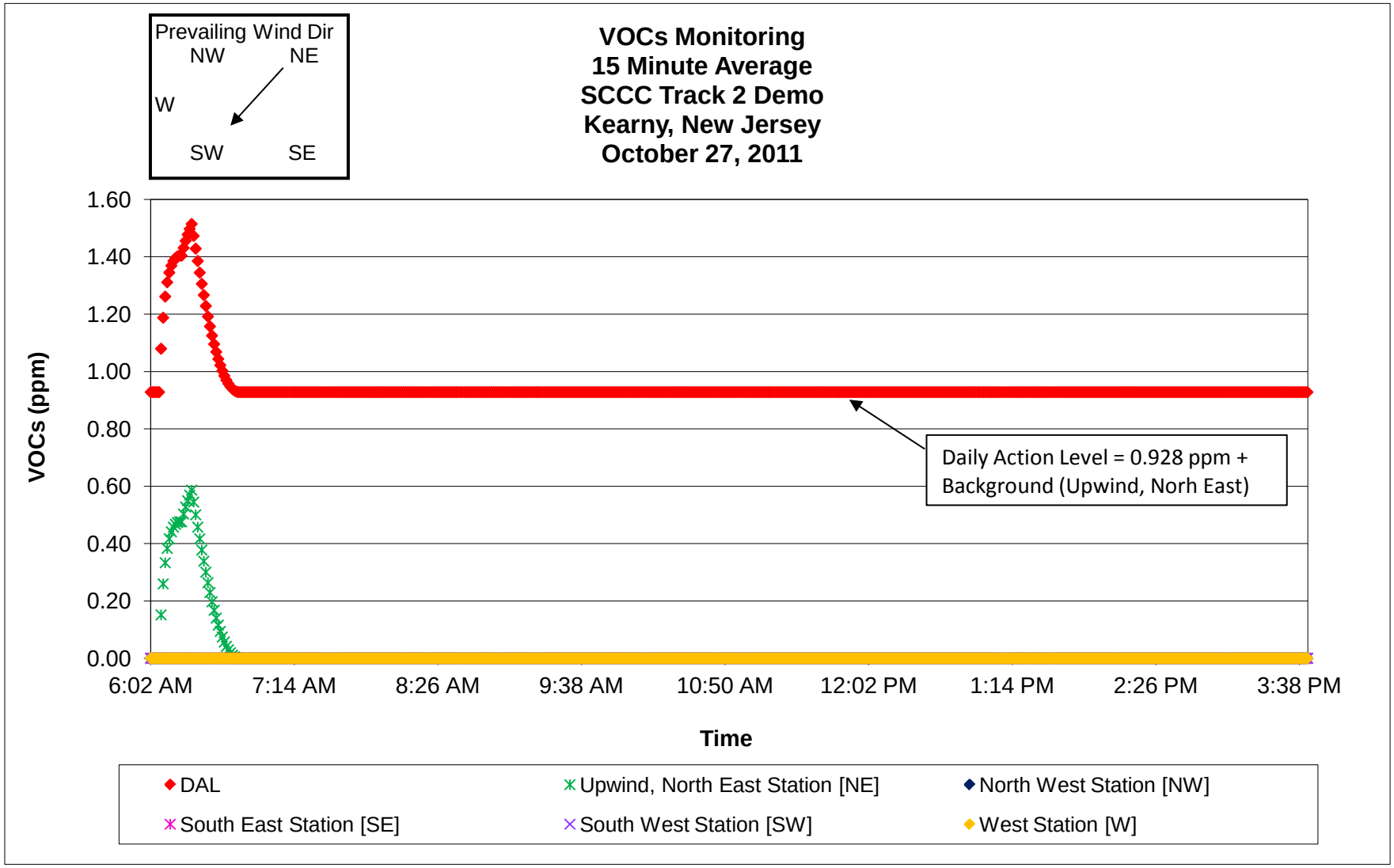
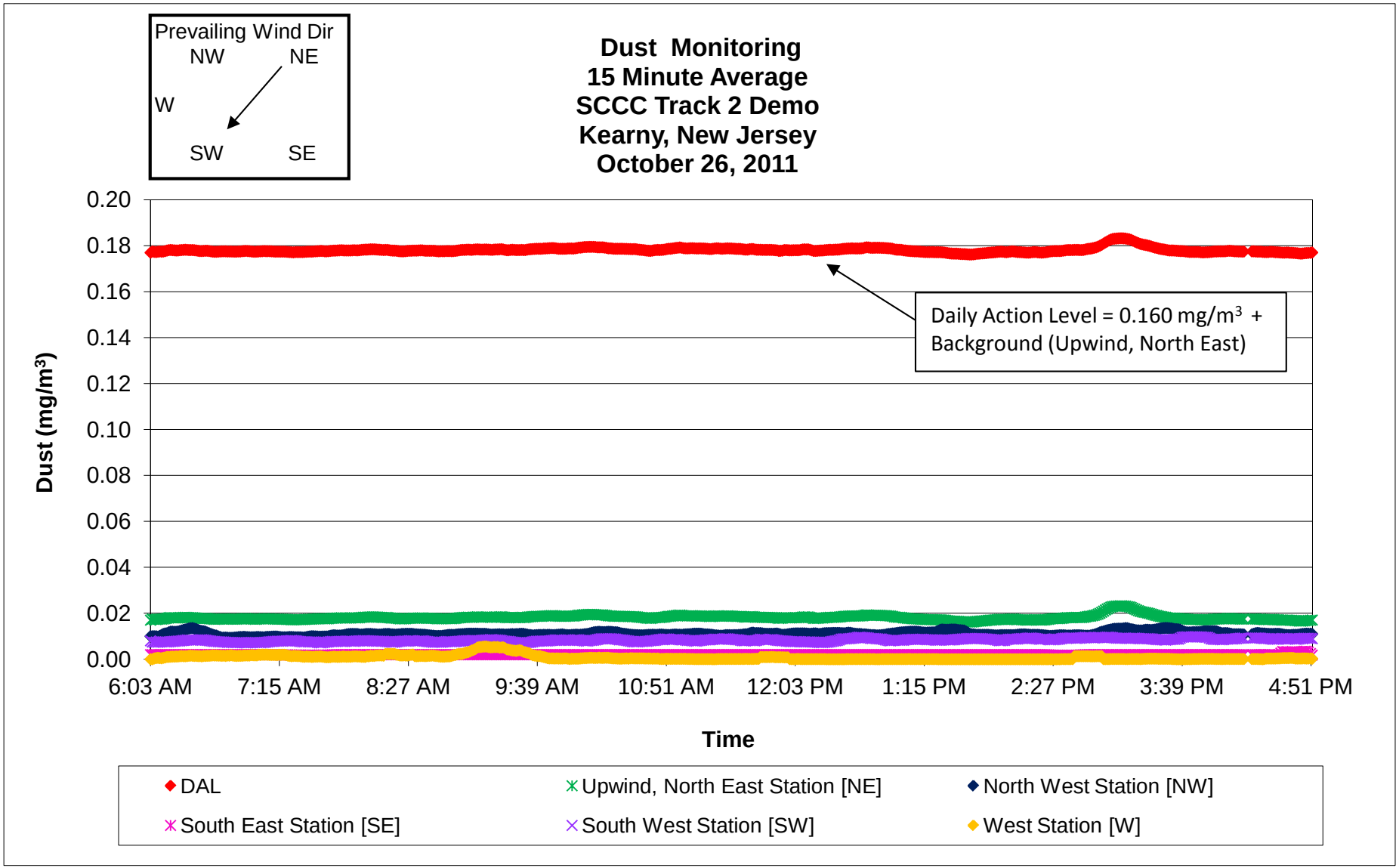
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

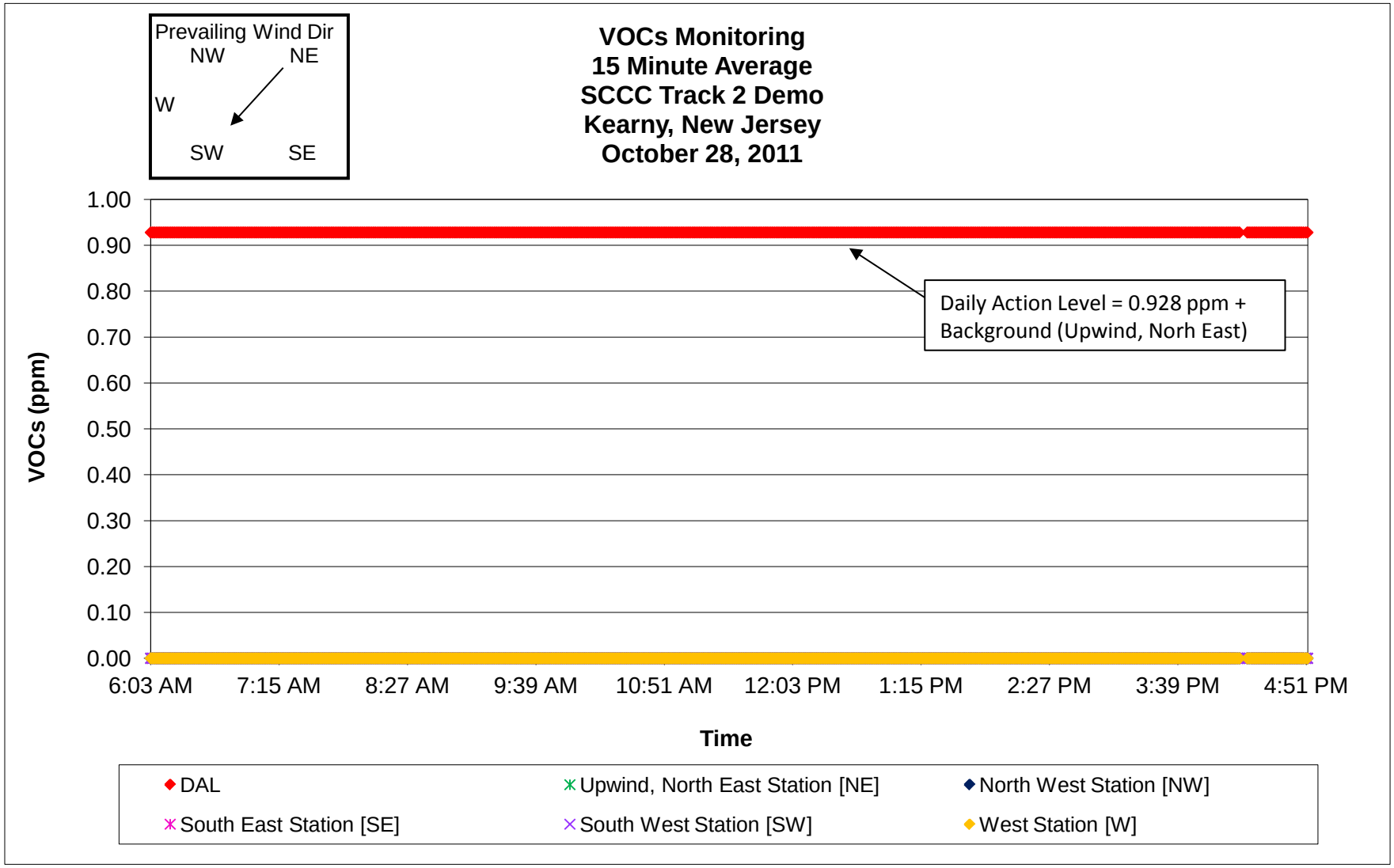

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
October 26, 2011
Daily Action Level = 0.160 mg/m3 + Background (Upwind, North East)
Dust (mg/m3)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:15 AM
8:39 AM
11:03 AM
1:27 PM
3:51 PM
6:15 PM
Time
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

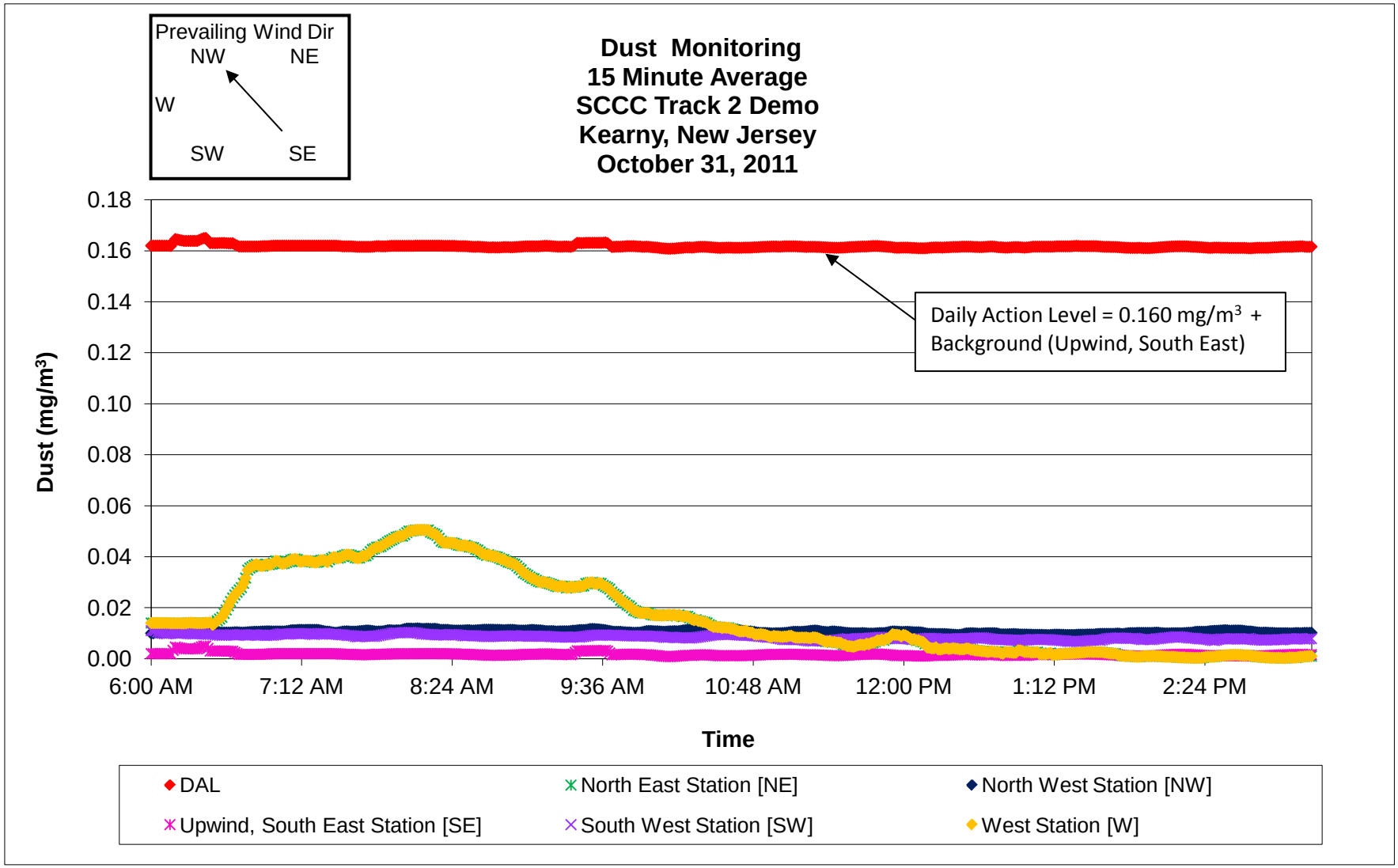

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
October 26, 2011
VOCs (ppm)
1.40
1.20
1.00
0.80
0.60
0.40
0.20
0.00
6:15 AM
8:39 AM
11:03 AM
1:27 PM
3:51 PM
6:15 PM
Time
Daily Action Level = 0.928 ppm + Background (Upwind, Norh East)
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

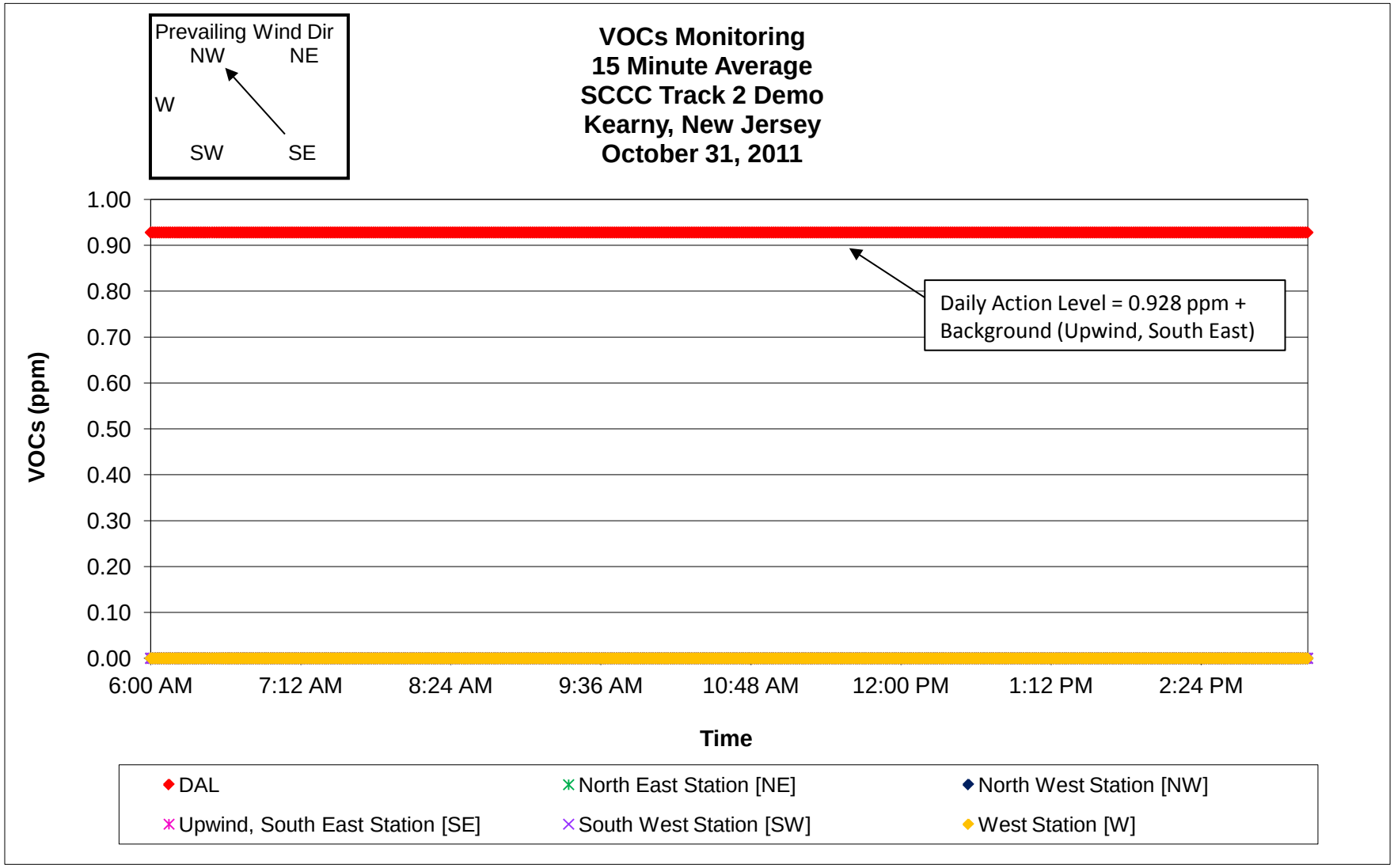

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
October 27, 2011
Daily Action Level = 0.160 mg/m3 + Background (Upwind, North East)
Dust (mg/m3)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:02 AM
7:14 AM
8:26 AM
9:38 AM
10:50 AM
12:02 PM
1:14 PM
2:26 PM
3:38 PM
Time
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

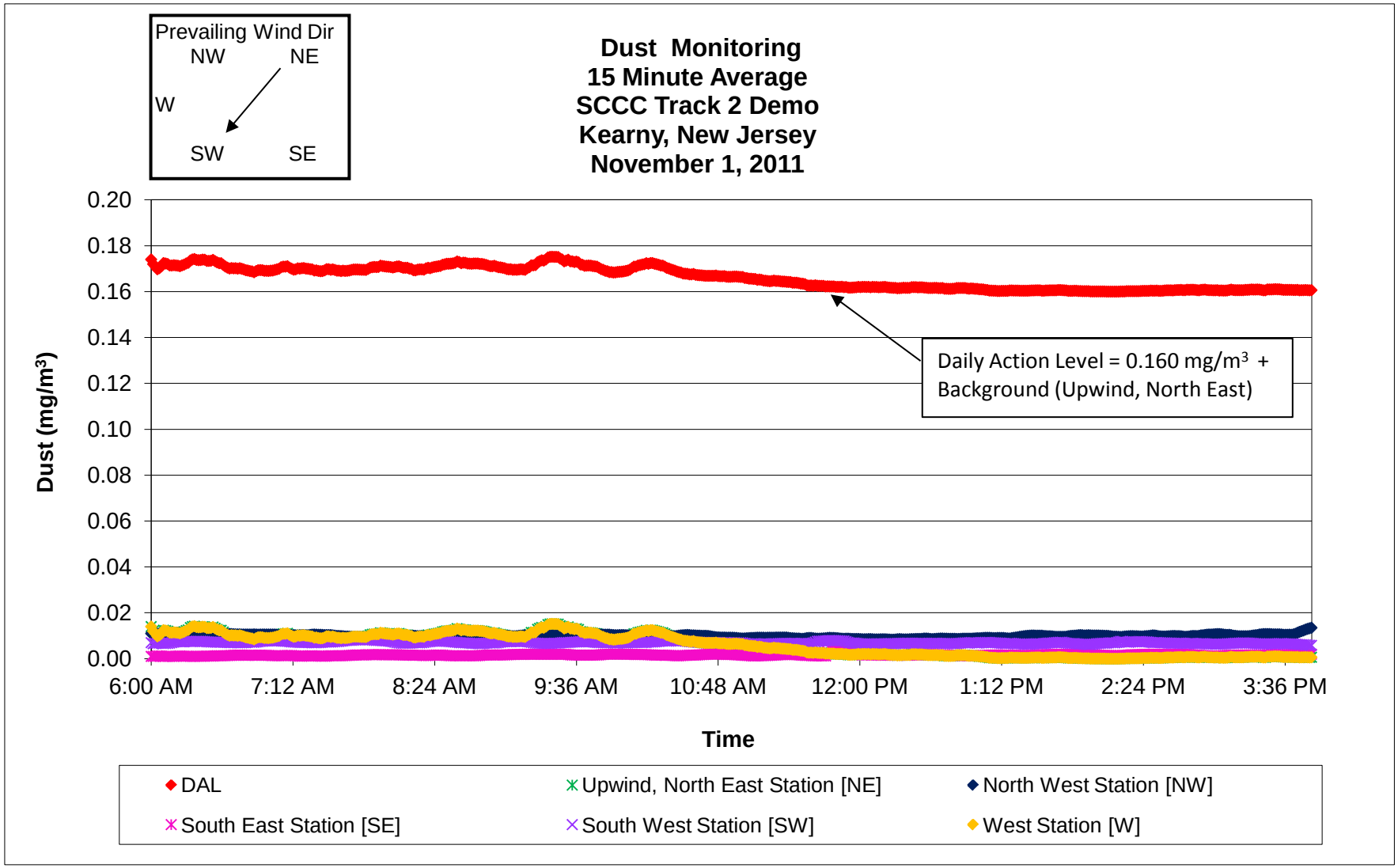

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
October 27, 2011
VOCs (ppm)
1.60
1.40
1.20
1.00
0.80
0.60
0.40
0.20
0.00
6:02 AM
7:14 AM
8:26 AM
9:38 AM
10:50 AM
12:02 PM
1:14 PM
2:26 PM
3:38 PM
Time
Daily Action Level = 0.928 ppm + Background (Upwind, Norh East)
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

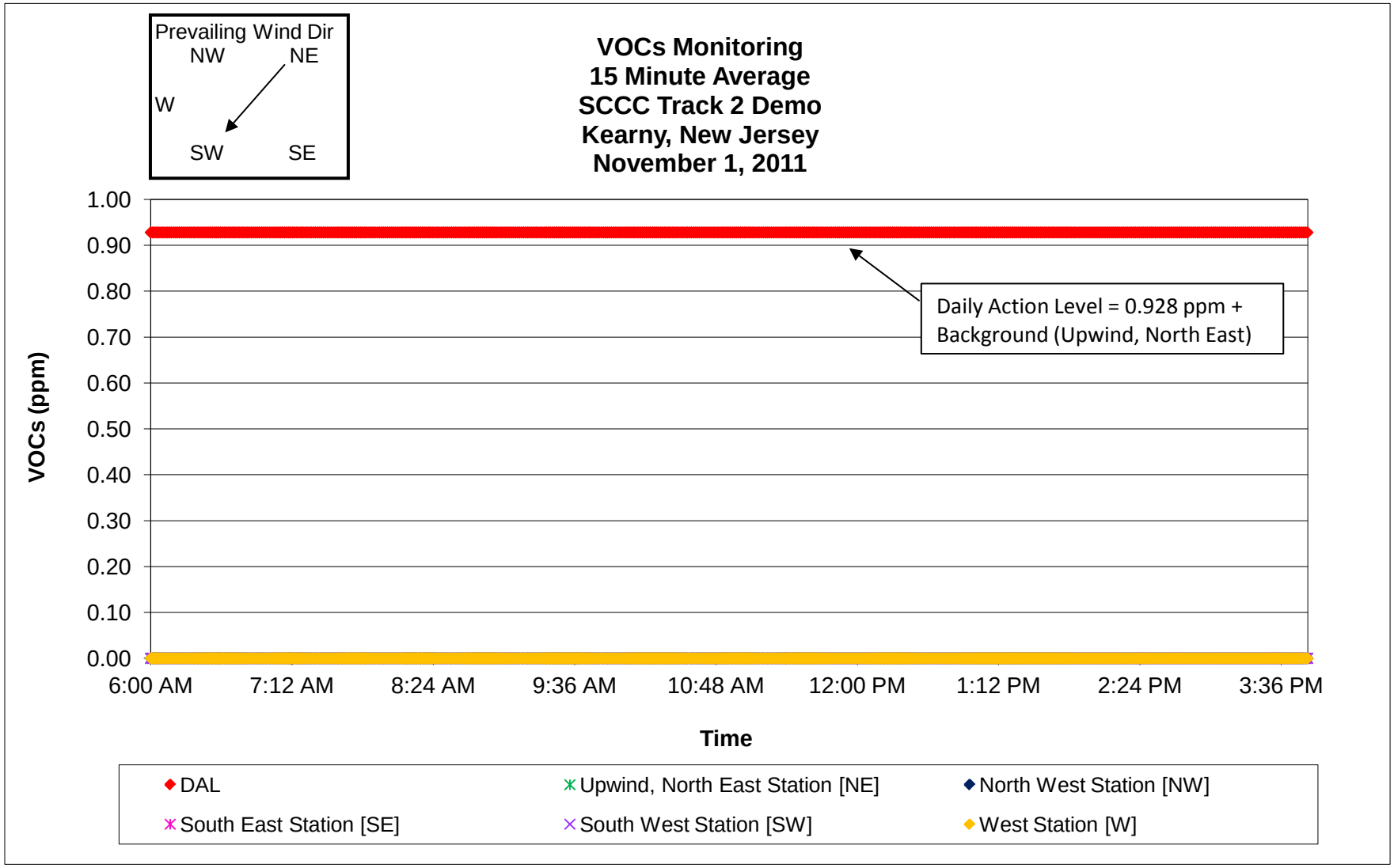

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
October 26, 2011
Daily Action Level = 0.160 mg/m³ + Background (Upwind, North East)
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:03 AM
7:15 AM
8:27 AM
9:39 AM
10:51 AM
12:03 PM
1:15 PM
2:27 PM
3:39 PM
4:51 PM
Time
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

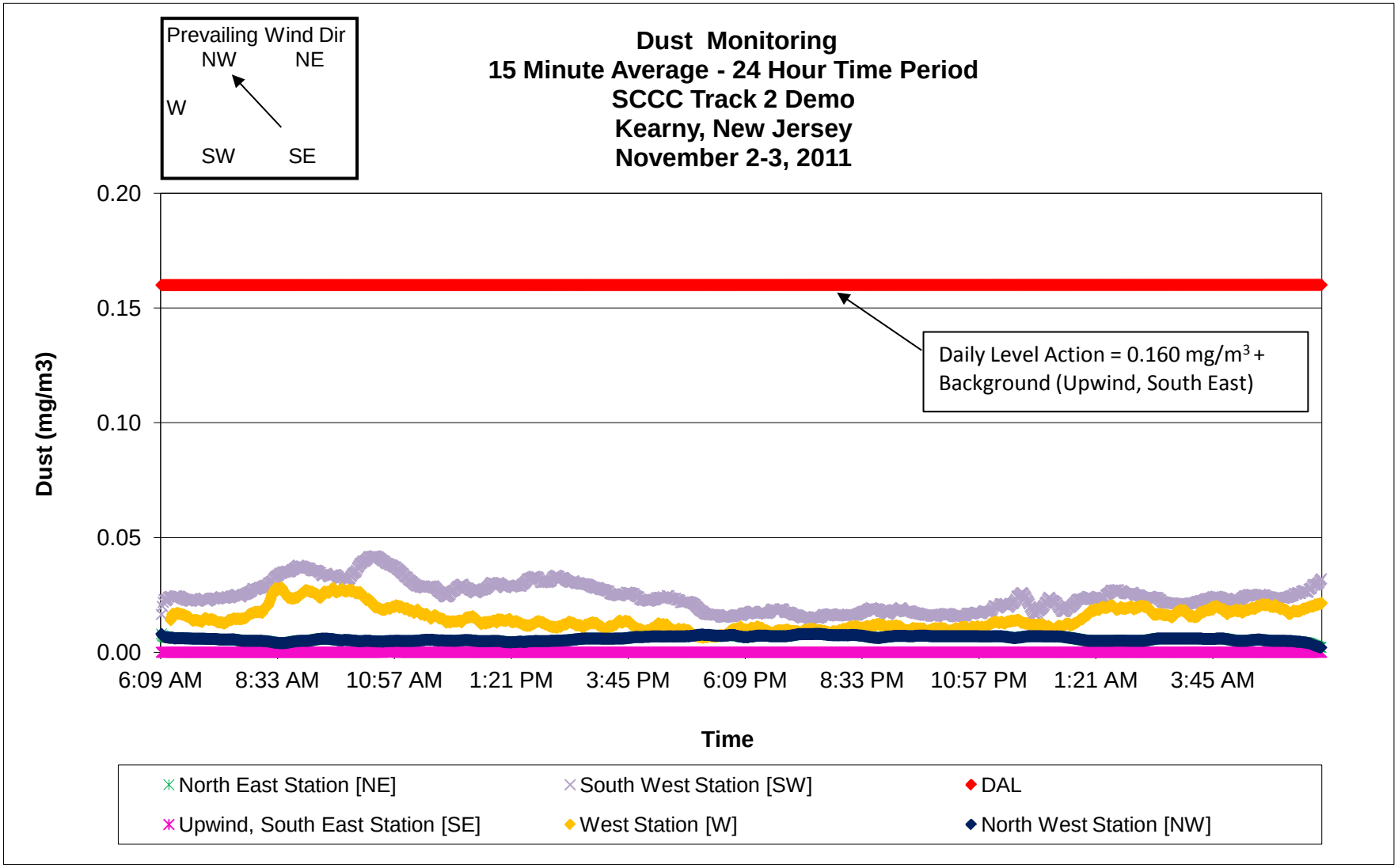

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
October 28, 2011
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Daily Action Level = 0.928 ppm + Background (Upwind, Norh East)
6:03 AM
7:15 AM
8:27 AM
9:39 AM
10:51 AM
12:03 PM
1:15 PM
2:27 PM
3:39 PM
4:51 PM
Time
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

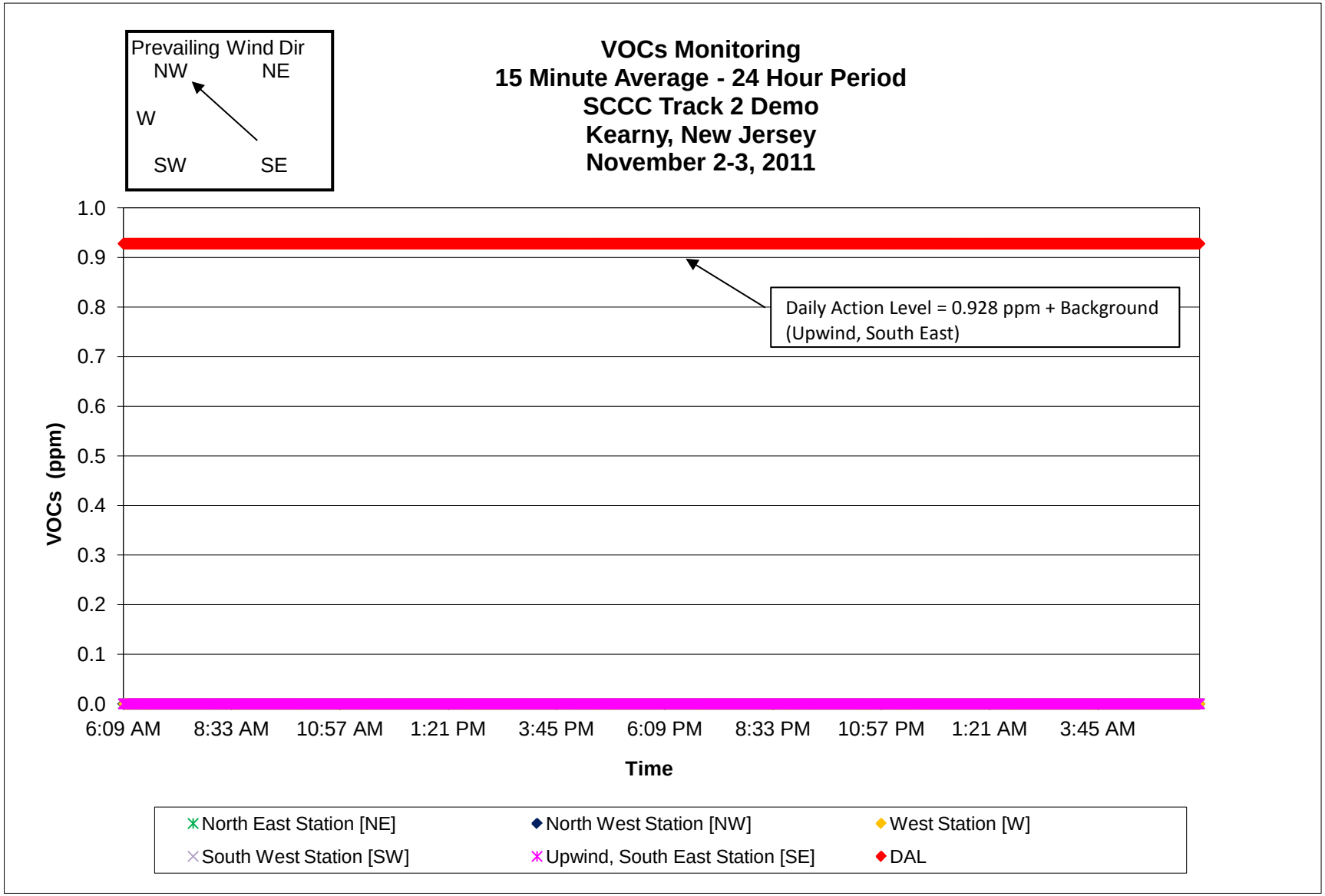

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
October 31, 2011
Daily Action Level = 0.160 mg/m3 + Background (Upwind, South East)
Dust (mg/m3)
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:00 AM
7:12 AM
8:24 AM
9:36 AM
10:48 AM
12:00 PM
1:12 PM
2:24 PM
Time
DAL
North East Station [NE]
North West Station [NW]
Upwind, South East Station [SE]
South West Station [SW]
West Station [W]

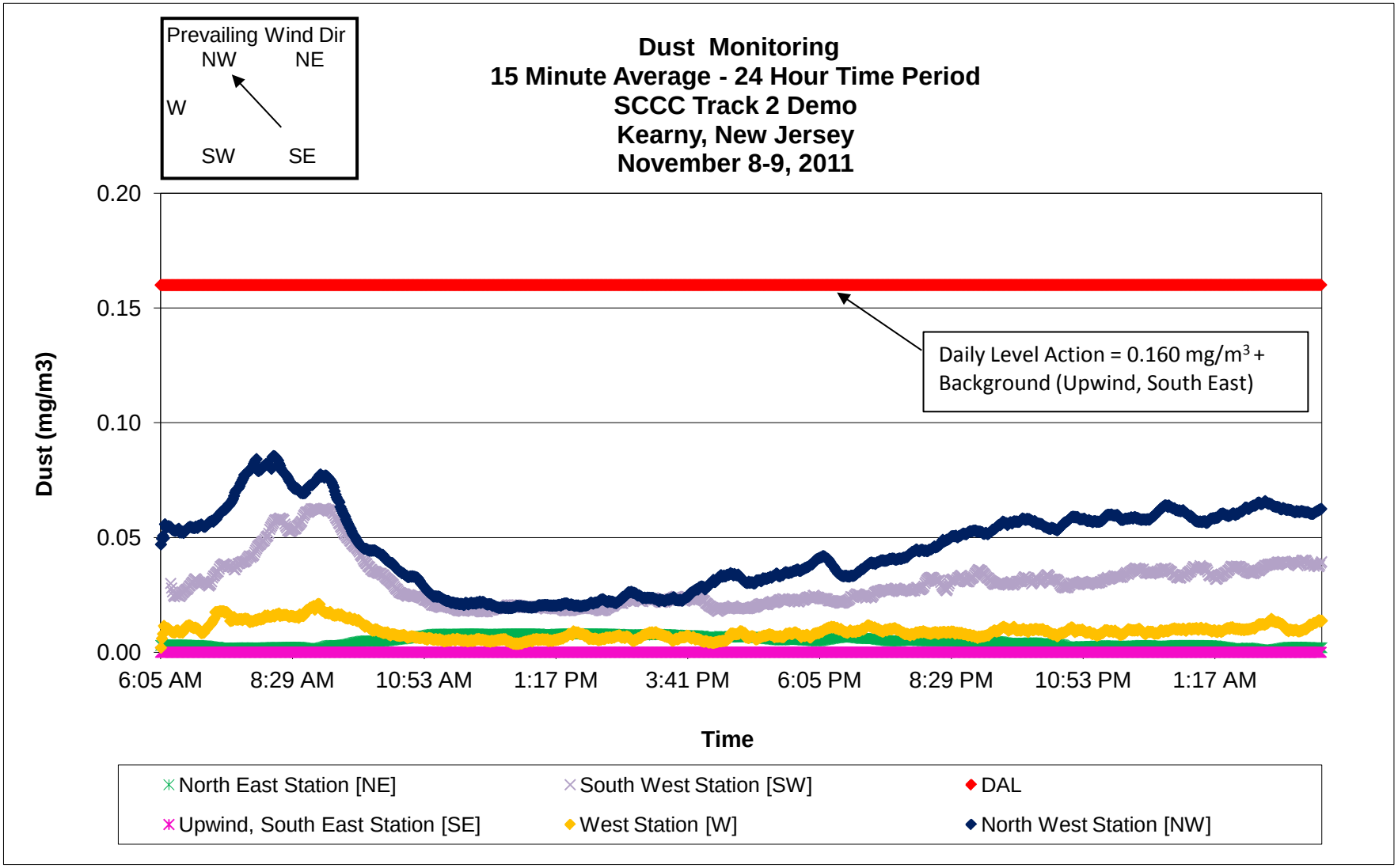

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
October 31, 2011
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
VOCs (ppm)
Daily Action Level = 0.928 ppm + Background (Upwind, South East)
6:00 AM
7:12 AM
8:24 AM
9:36 AM
10:48 AM
12:00 PM
1:12 PM
2:24 PM
Time
DAL
North East Station [NE]
North West Station [NW]
Upwind, South East Station [SE]
South West Station [SW]
West Station [W]

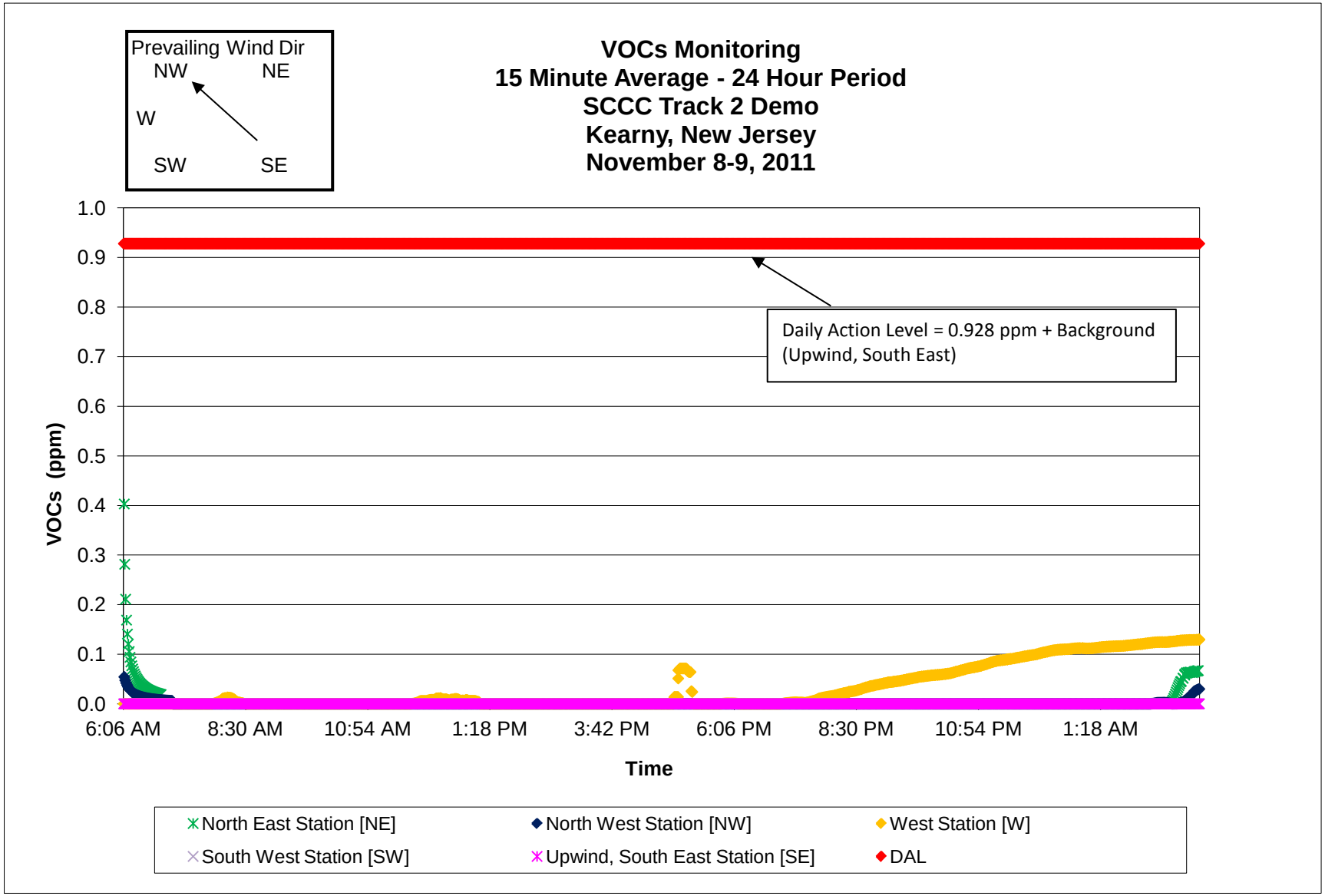

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 1, 2011
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:00 AM
7:12 AM
8:24 AM
9:36 AM
10:48 AM
12:00 PM
1:12 PM
2:24 PM
3:36 PM
Time
Daily Action Level = 0.160 mg/m³ +
Background (Upwind, North East)
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

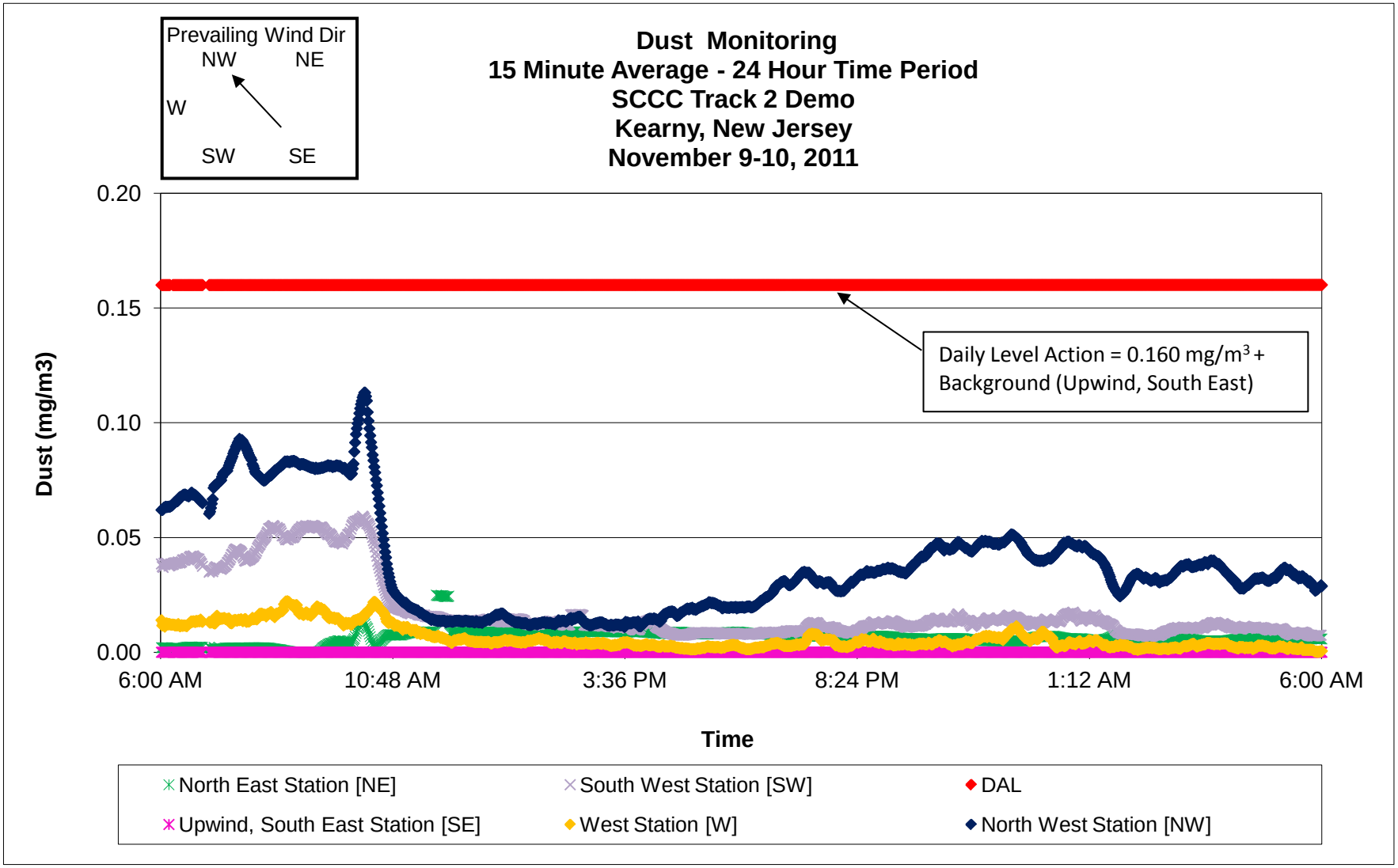

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 1, 2011
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
VOCs (ppm)
Daily Action Level = 0.928 ppm + Background (Upwind, North East)
6:00 AM
7:12 AM
8:24 AM
9:36 AM
10:48 AM
12:00 PM
1:12 PM
2:24 PM
3:36 PM
Time
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

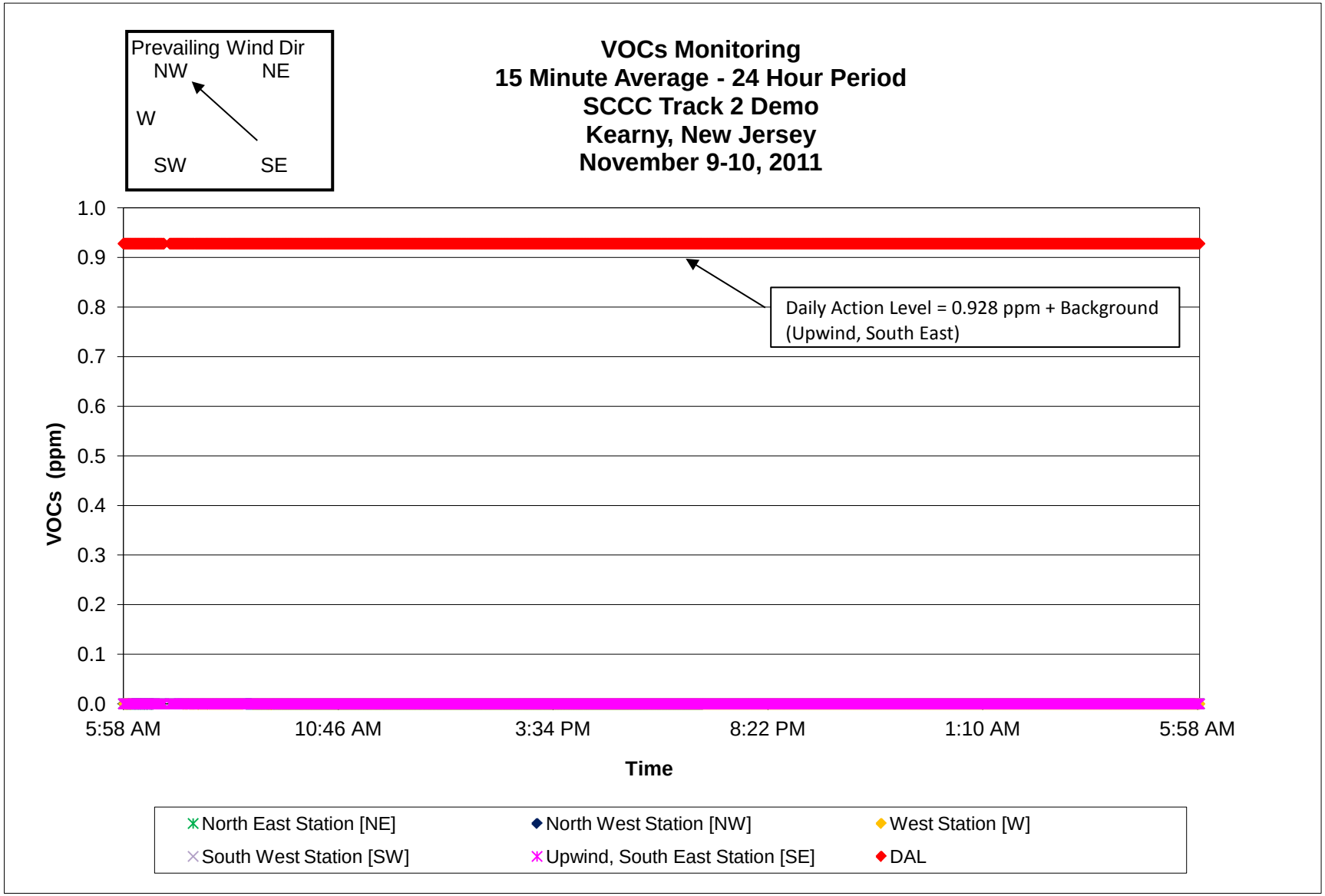

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average - 24 Hour Time Period
SCCC Track 2 Demo
Kearny, New Jersey
November 2-3, 2011
Dust (mg/m3)
0.20
0.15
0.10
0.05
0.00
Daily Level Action = 0.160 mg/m3 + Background (Upwind, South East)
6:09 AM
8:33 AM
10:57 AM
1:21 PM
3:45 PM
6:09 PM
8:33 PM
10:57 PM
1:21 AM
3:45 AM
Time
North East Station [NE]
South West Station [SW]
DAL
Upwind, South East Station [SE]
West Station [W]
North West Station [NW]

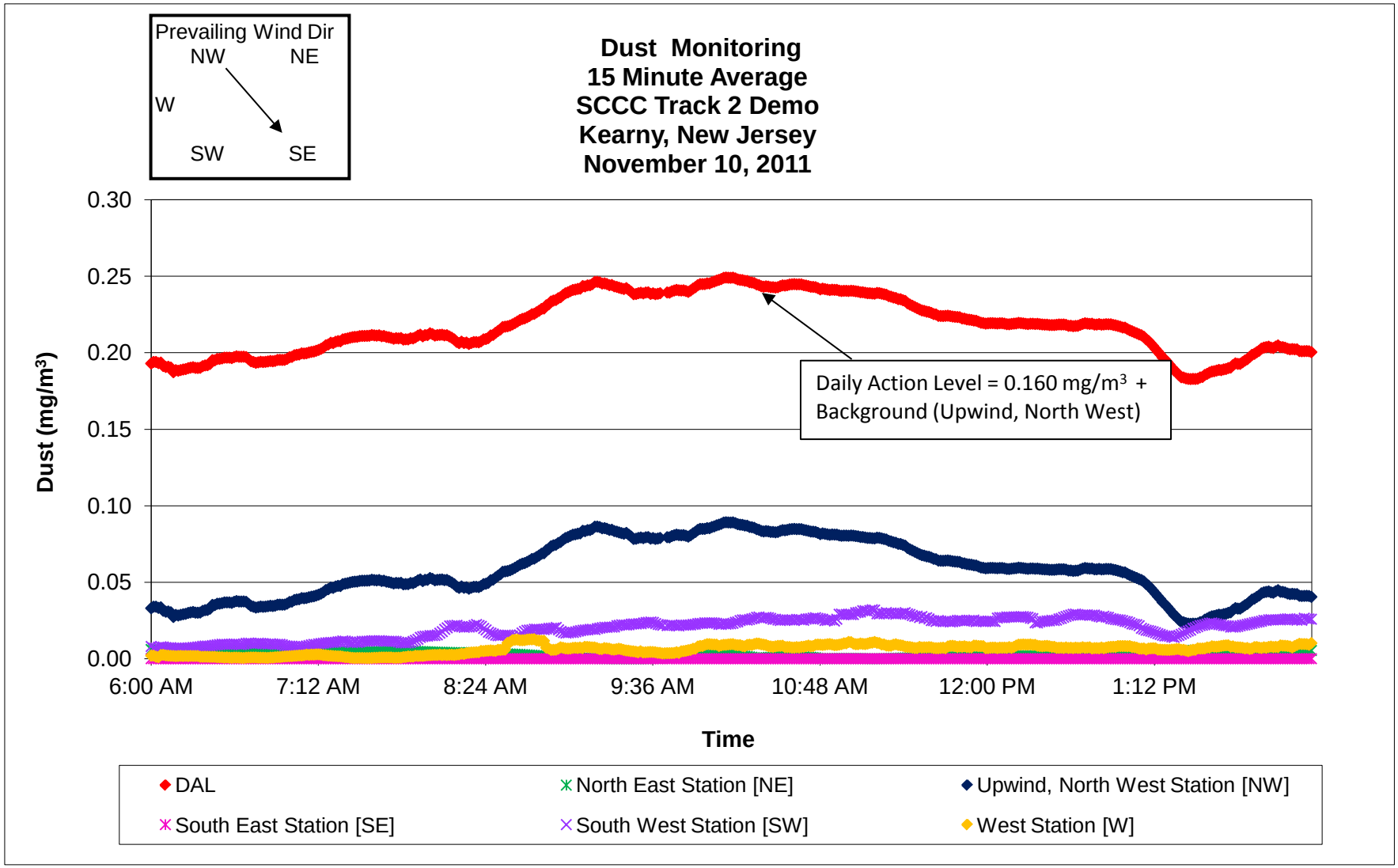

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average - 24 Hour Period
SCCC Track 2 Demo
Kearny, New Jersey
November 2-3, 2011
Daily Action Level = 0.928 ppm + Background
(Upwind, South East)
VOCs (ppm)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
6:09 AM
8:33 AM
10:57 AM
1:21 PM
3:45 PM
6:09 PM
8:33 PM
10:57 PM
1:21 AM
3:45 AM
Time
North East Station [NE]
North West Station [NW]
West Station [W]
South West Station [SW]
Upwind, South East Station [SE]
DAL

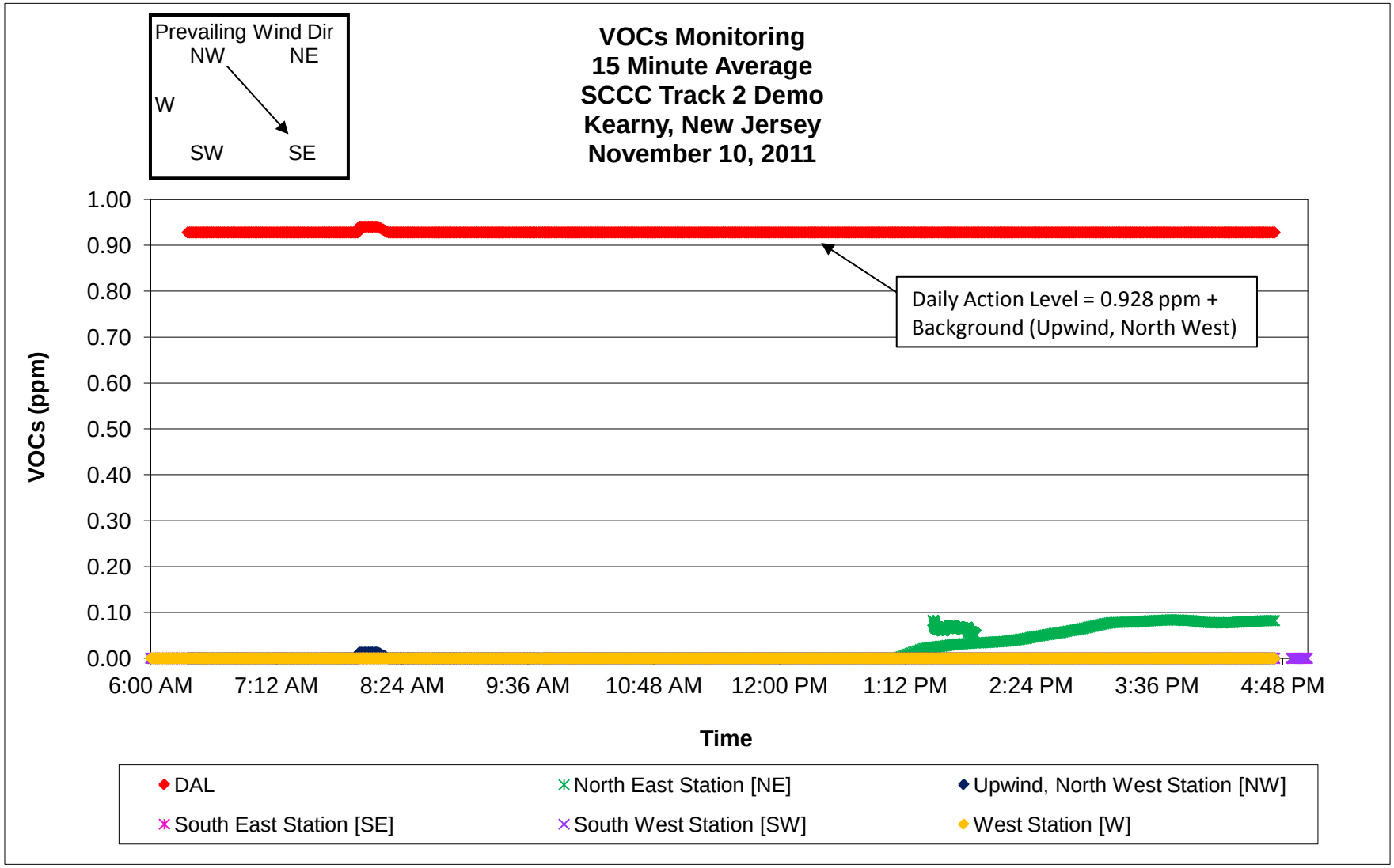

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average - 24 Hour Time Period
SCCC Track 2 Demo
Kearny, New Jersey
November 8-9, 2011
Dust (mg/m3)
0.20
0.15
0.10
0.05
0.00
Daily Level Action = 0.160 mg/m3 + Background (Upwind, South East)
6:05 AM
8:29 AM
10:53 AM
1:17 PM
3:41 PM
6:05 PM
8:29 PM
10:53 PM
1:17 AM
Time
North East Station [NE]
South West Station [SW]
DAL
Upwind, South East Station [SE]
West Station [W]
North West Station [NW]

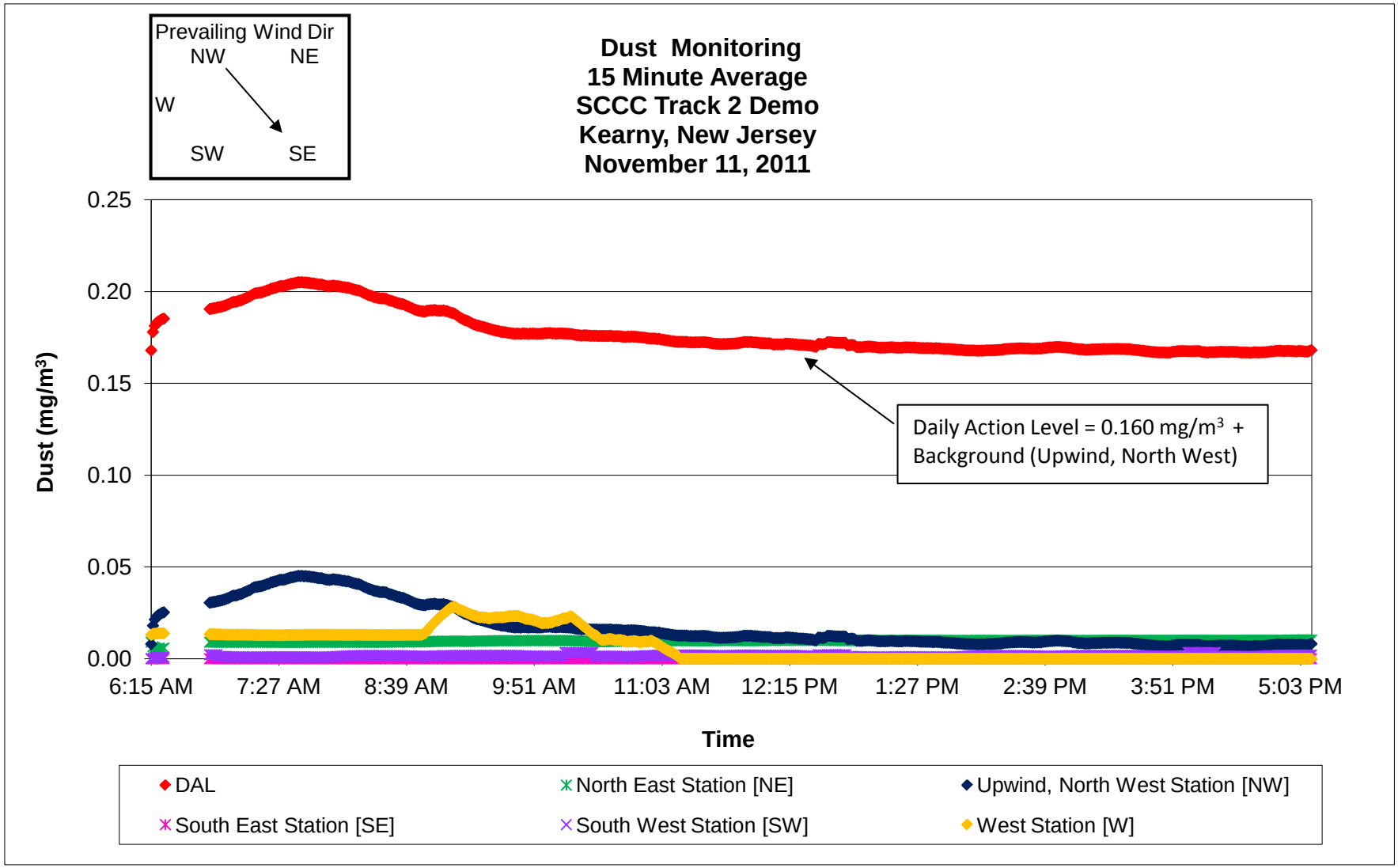

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average - 24 Hour Period
SCCC Track 2 Demo
Kearny, New Jersey
November 8-9, 2011
Daily Action Level = 0.928 ppm + Background
(Upwind, South East)
VOCs (ppm)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
6:06 AM
8:30 AM
10:54 AM
1:18 PM
3:42 PM
6:06 PM
8:30 PM
10:54 PM
1:18 AM
Time
North East Station [NE]
North West Station [NW]
West Station [W]
South West Station [SW]
Upwind, South East Station [SE]
DAL

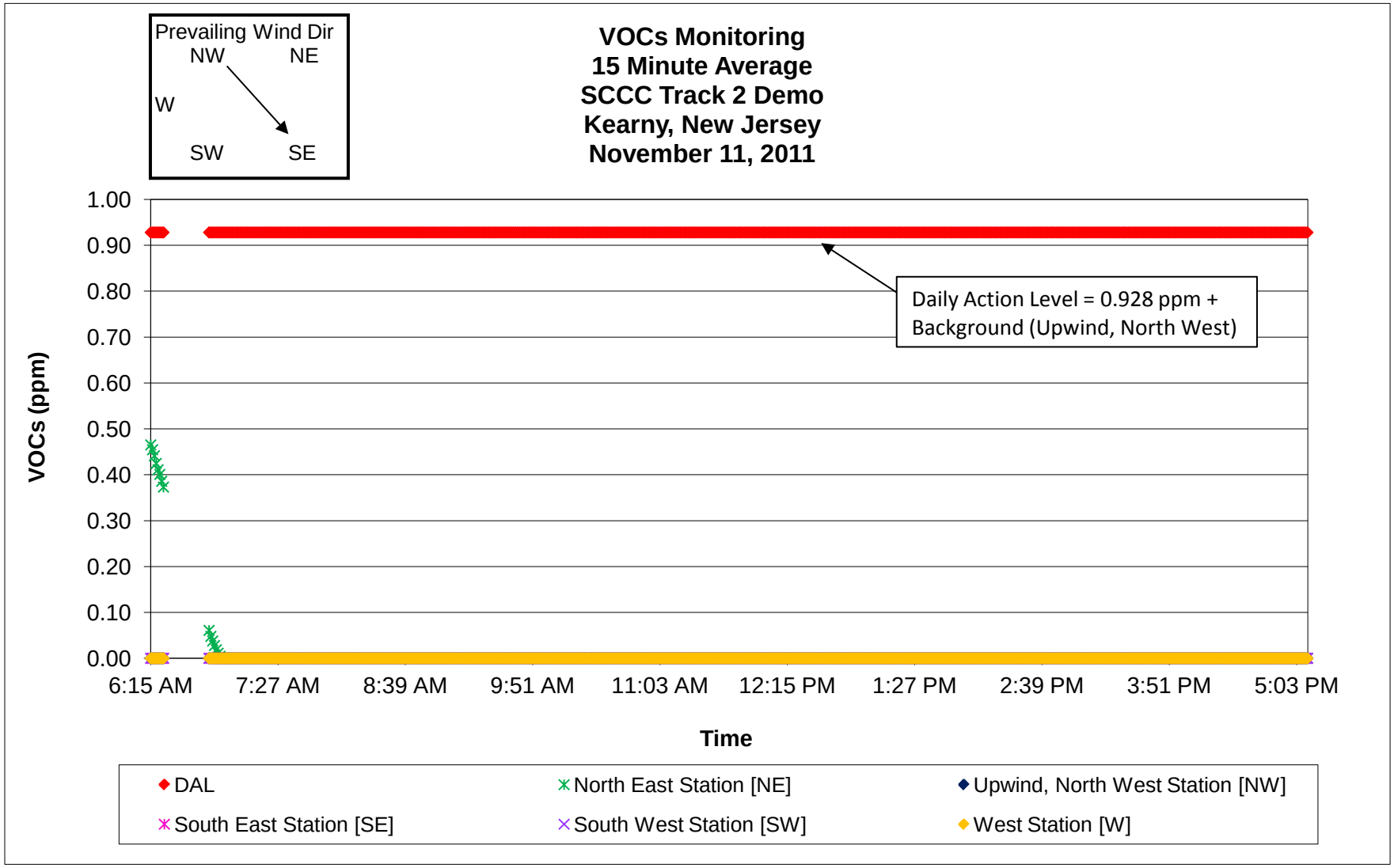

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average - 24 Hour Time Period
SCCC Track 2 Demo
Kearny, New Jersey
November 9-10, 2011
Dust (mg/m3)
0.20
0.15
0.10
0.05
0.00
Daily Level Action = 0.160 mg/m3 + Background (Upwind, South East)
6:00 AM
10:48 AM
3:36 PM
8:24 PM
1:12 AM
6:00 AM
Time
North East Station [NE]
South West Station [SW]
DAL
Upwind, South East Station [SE]
West Station [W]
North West Station [NW]

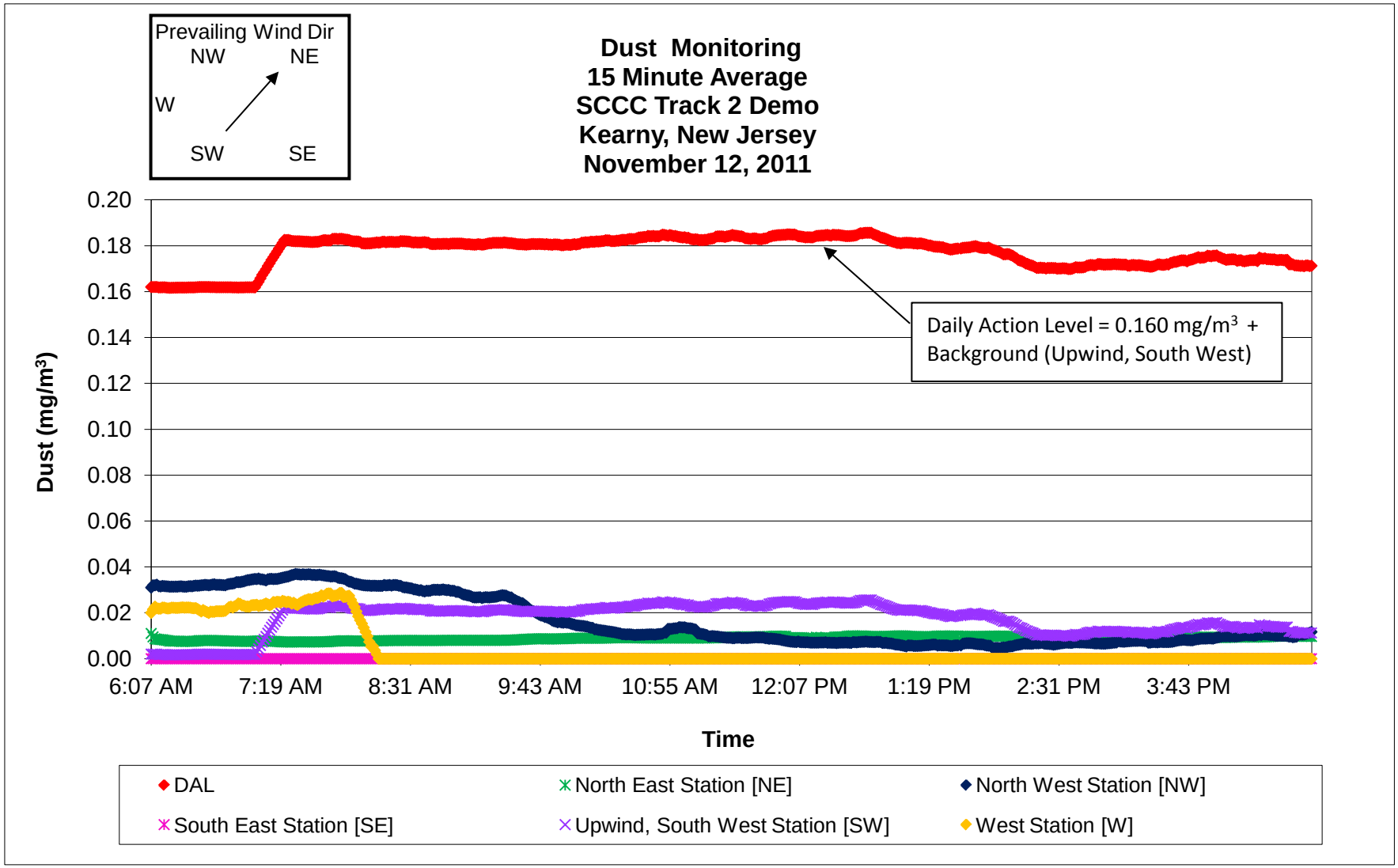

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average - 24 Hour Period
SCCC Track 2 Demo
Kearny, New Jersey
November 9-10, 2011
Daily Action Level = 0.928 ppm + Background
(Upwind, South East)
VOCs (ppm)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
5:58 AM
10:46 AM
3:34 PM
8:22 PM
1:10 AM
5:58 AM
Time
North East Station [NE]
North West Station [NW]
West Station [W]
South West Station [SW]
Upwind, South East Station [SE]
DAL

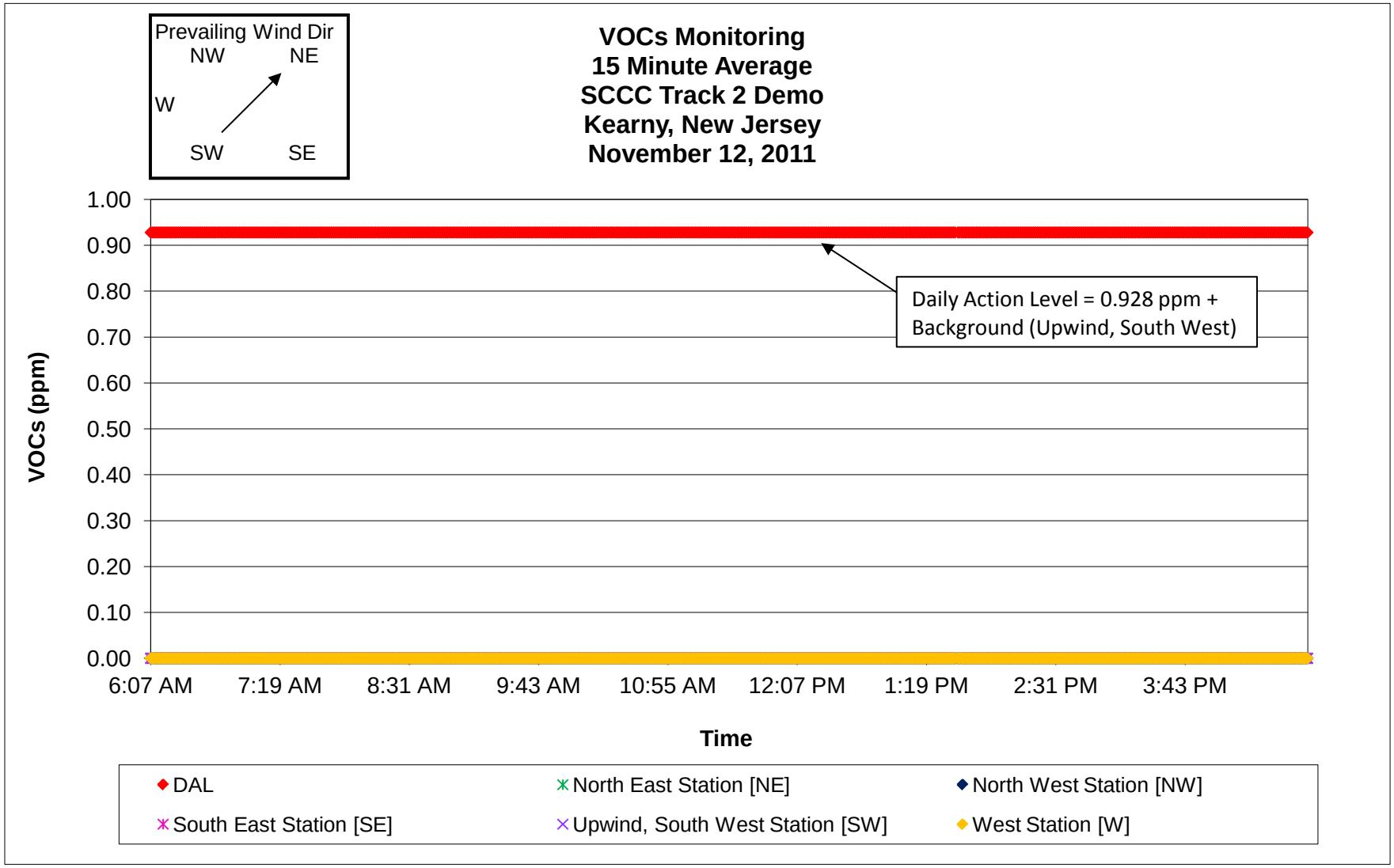

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 10, 2011
Dust (mg/m³)
0.30
0.25
0.20
0.15
0.10
0.05
0.00
6:00 AM
7:12 AM
8:24 AM
9:36 AM
10:48 AM
12:00 PM
1:12 PM
Time
Daily Action Level = 0.160 mg/m³ +
Background (Upwind, North West)
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

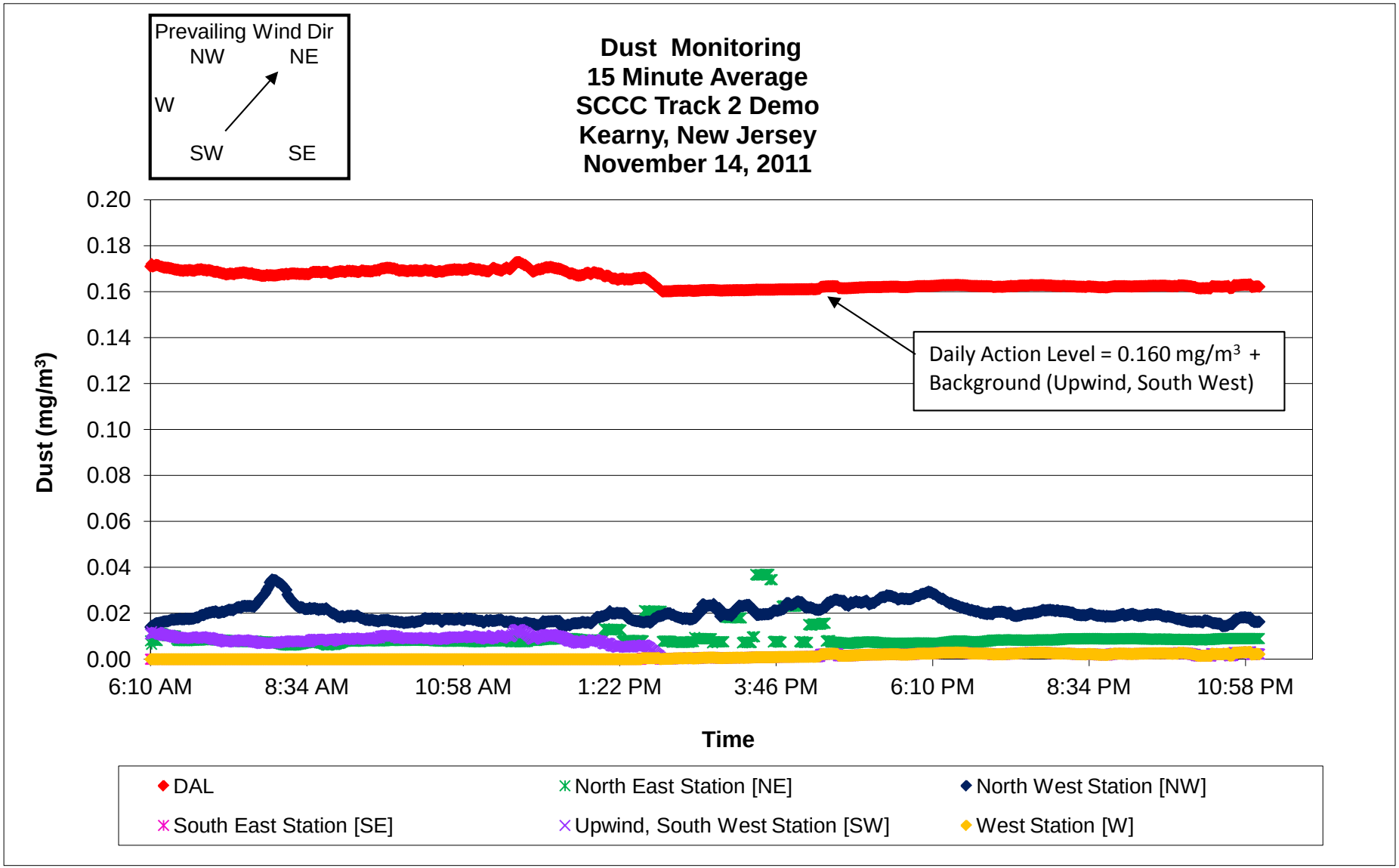

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 10, 2011
Daily Action Level = 0.928 ppm + Background (Upwind, North West)
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
6:00 AM
7:12 AM
8:24 AM
9:36 AM
10:48 AM
12:00 PM
1:12 PM
2:24 PM
3:36 PM
4:48 PM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

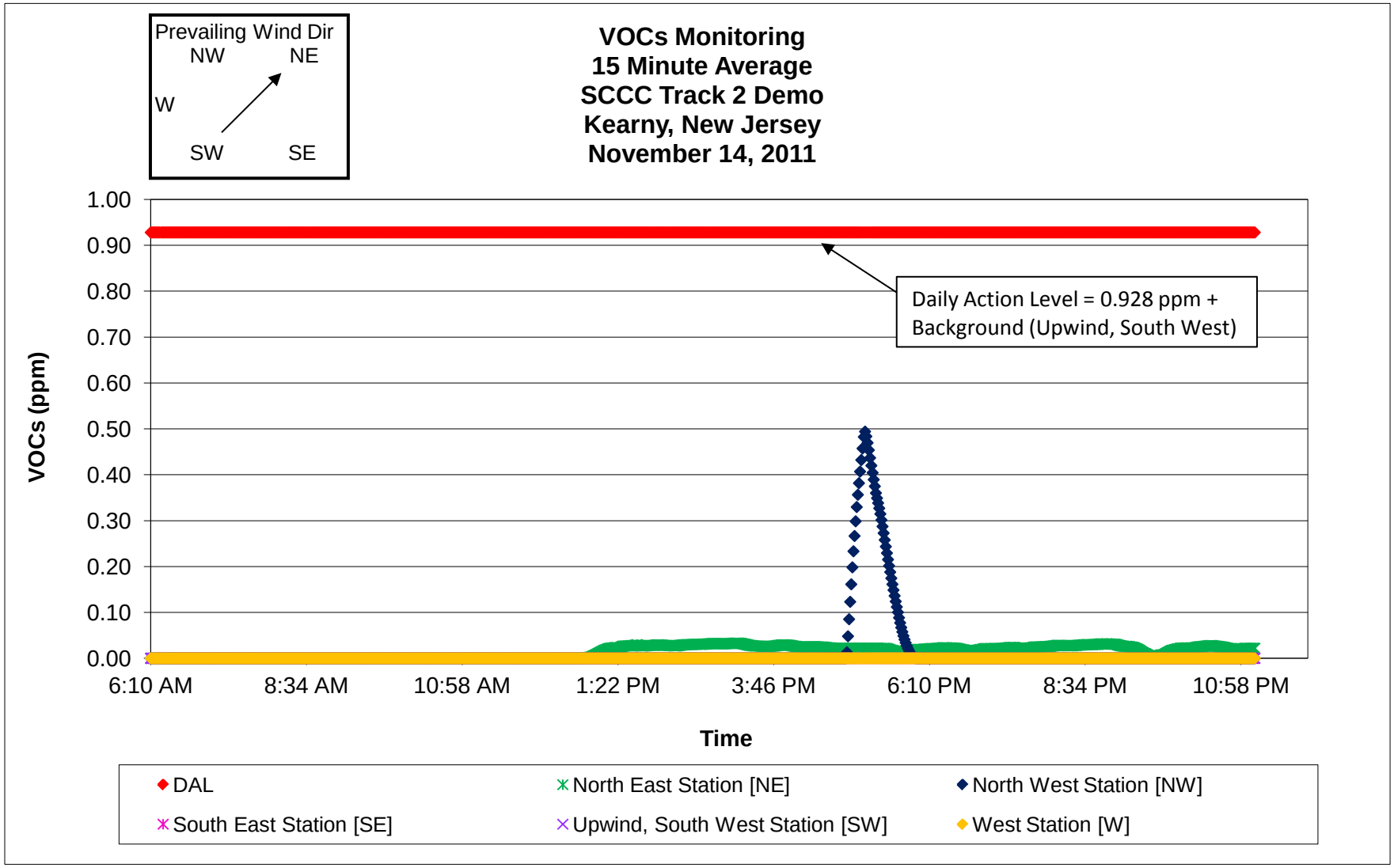

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 11, 2011
Dust (mg/m³)
0.25
0.20
0.15
0.10
0.05
0.00
6:15 AM
7:27 AM
8:39 AM
9:51 AM
11:03 AM
12:15 PM
1:27 PM
2:39 PM
3:51 PM
5:03 PM
Time
Daily Action Level = 0.160 mg/m³ +
Background (Upwind, North West)
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

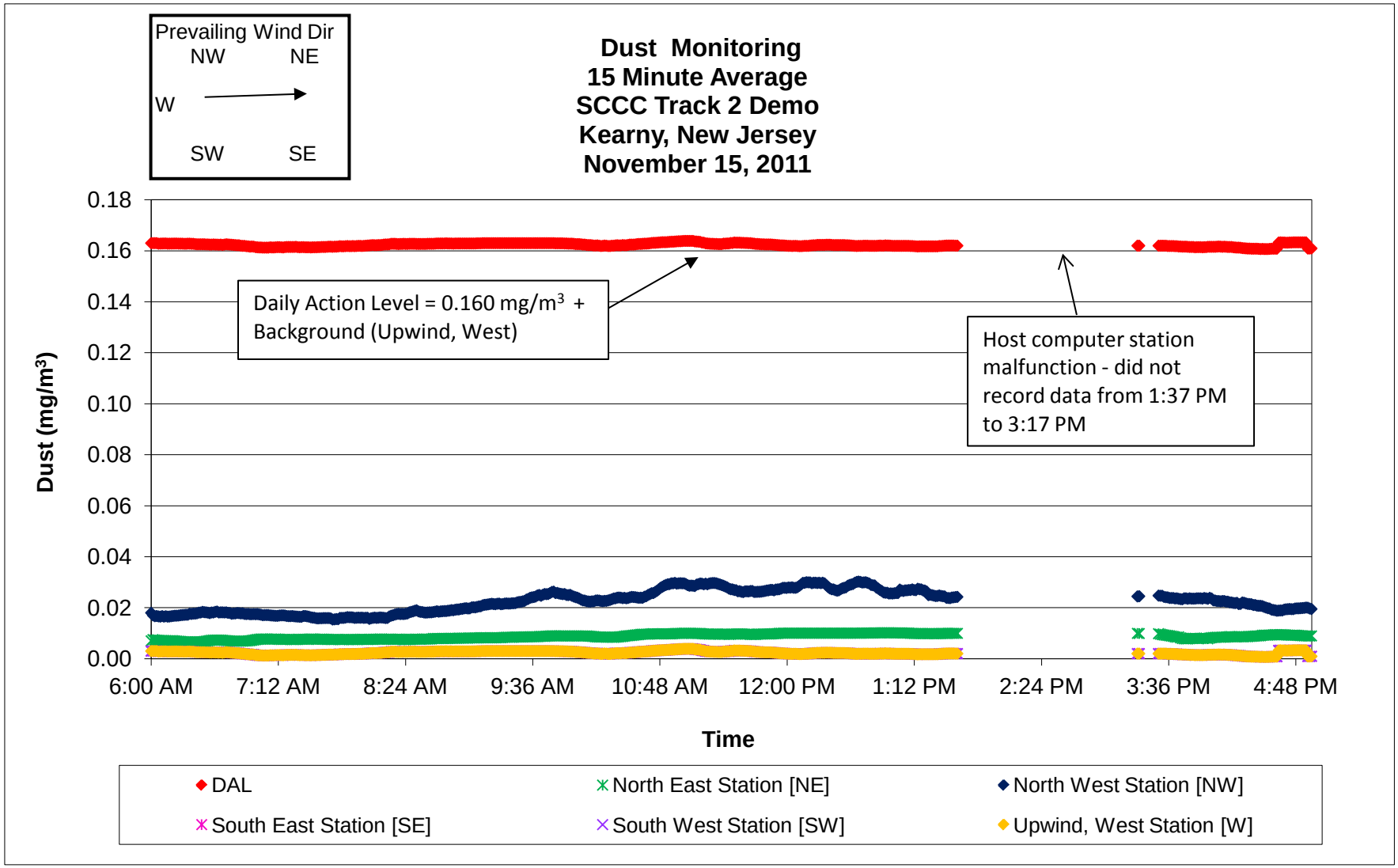

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 11, 2011
Daily Action Level = 0.928 ppm + Background (Upwind, North West)
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
6:15 AM
7:27 AM
8:39 AM
9:51 AM
11:03 AM
12:15 PM
1:27 PM
2:39 PM
3:51 PM
5:03 PM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

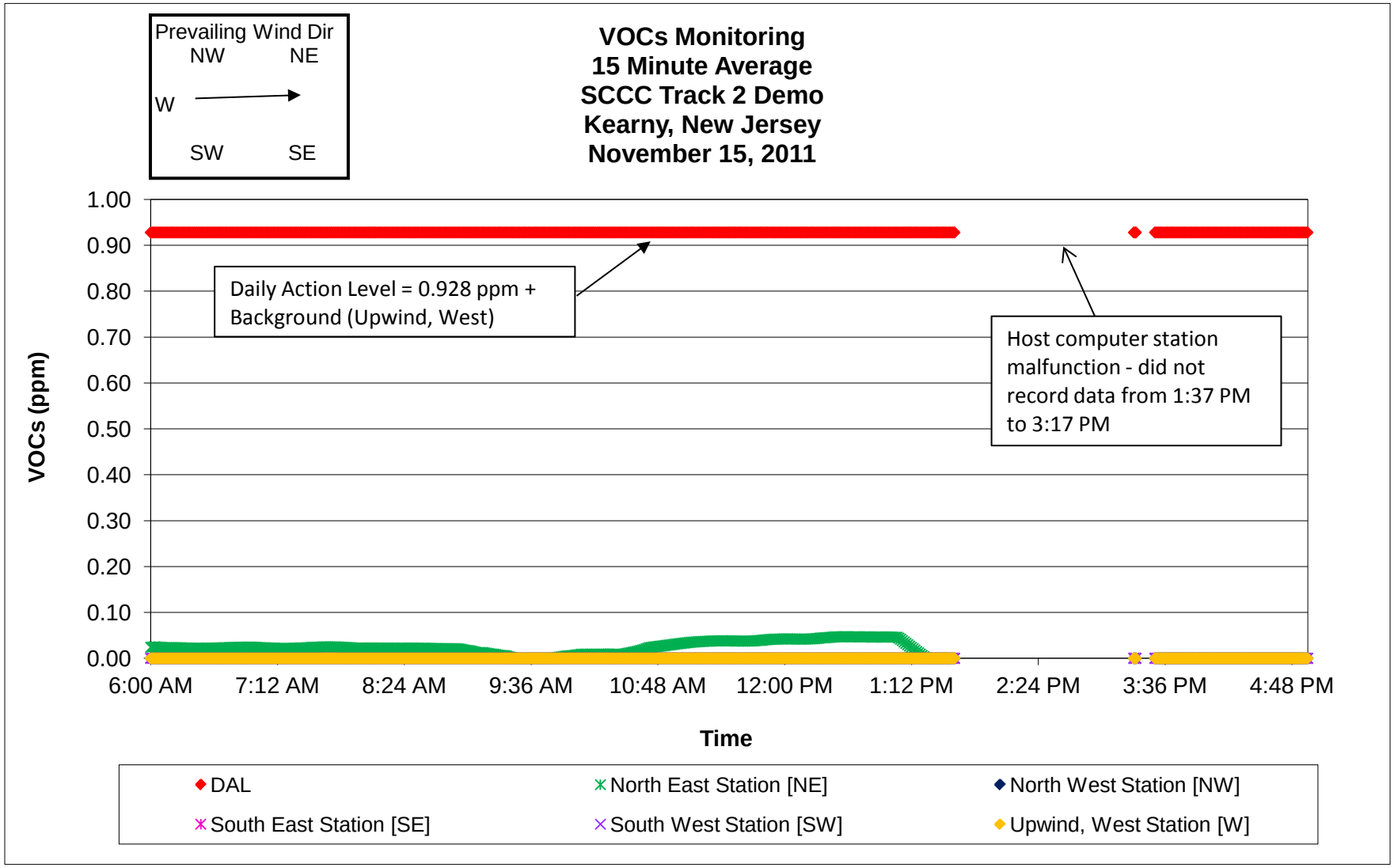

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 12, 2011
Daily Action Level = 0.160 mg/m³ +
Background (Upwind, South West)
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:07 AM
7:19 AM
8:31 AM
9:43 AM
10:55 AM
12:07 PM
1:19 PM
2:31 PM
3:43 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
Upwind, South West Station [SW]
West Station [W]

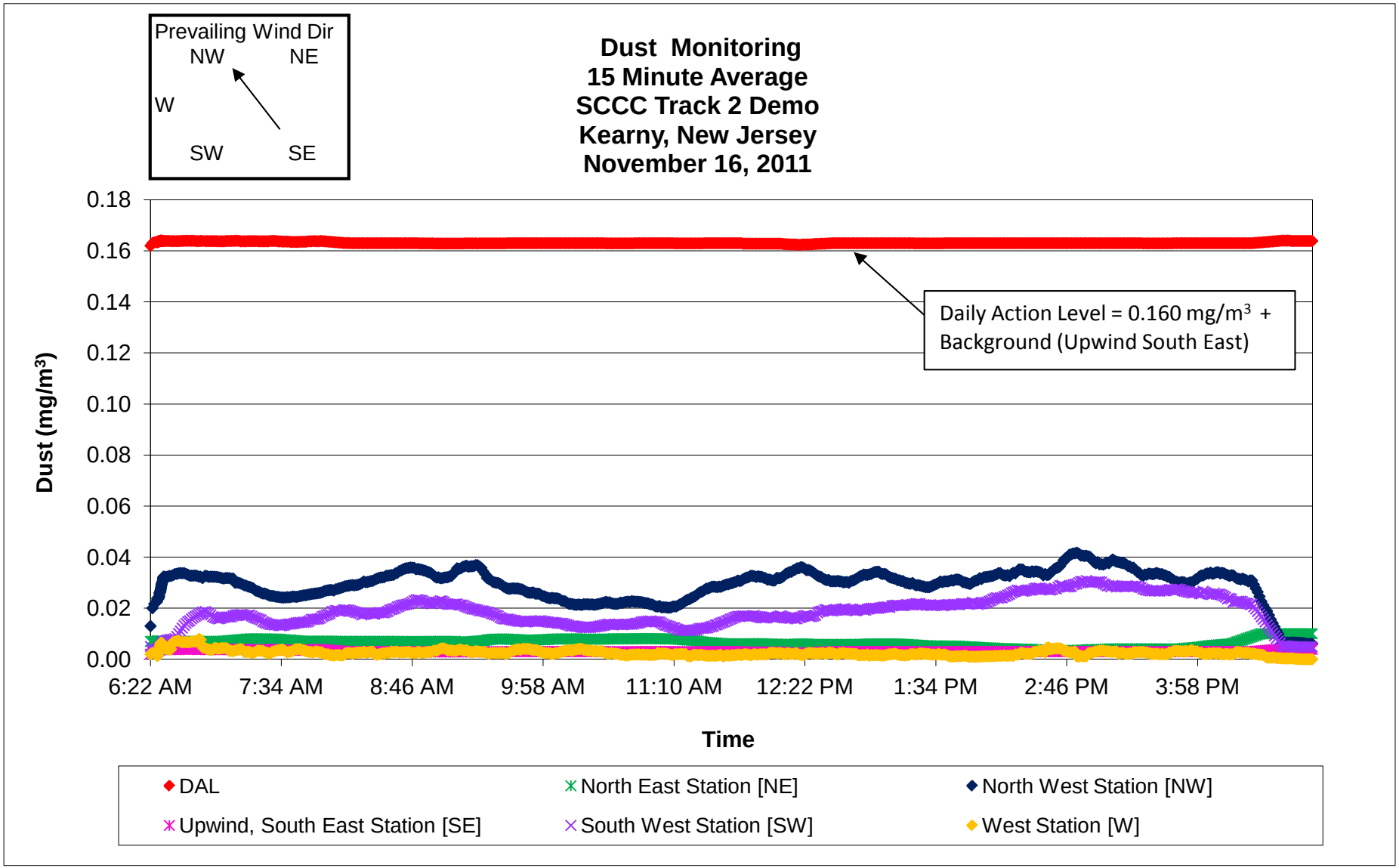

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 12, 2011
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
VOCs (ppm)
Daily Action Level = 0.928 ppm +
Background (Upwind, South West)
6:07 AM
7:19 AM
8:31 AM
9:43 AM
10:55 AM
12:07 PM
1:19 PM
2:31 PM
3:43 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
Upwind, South West Station [SW]
West Station [W]

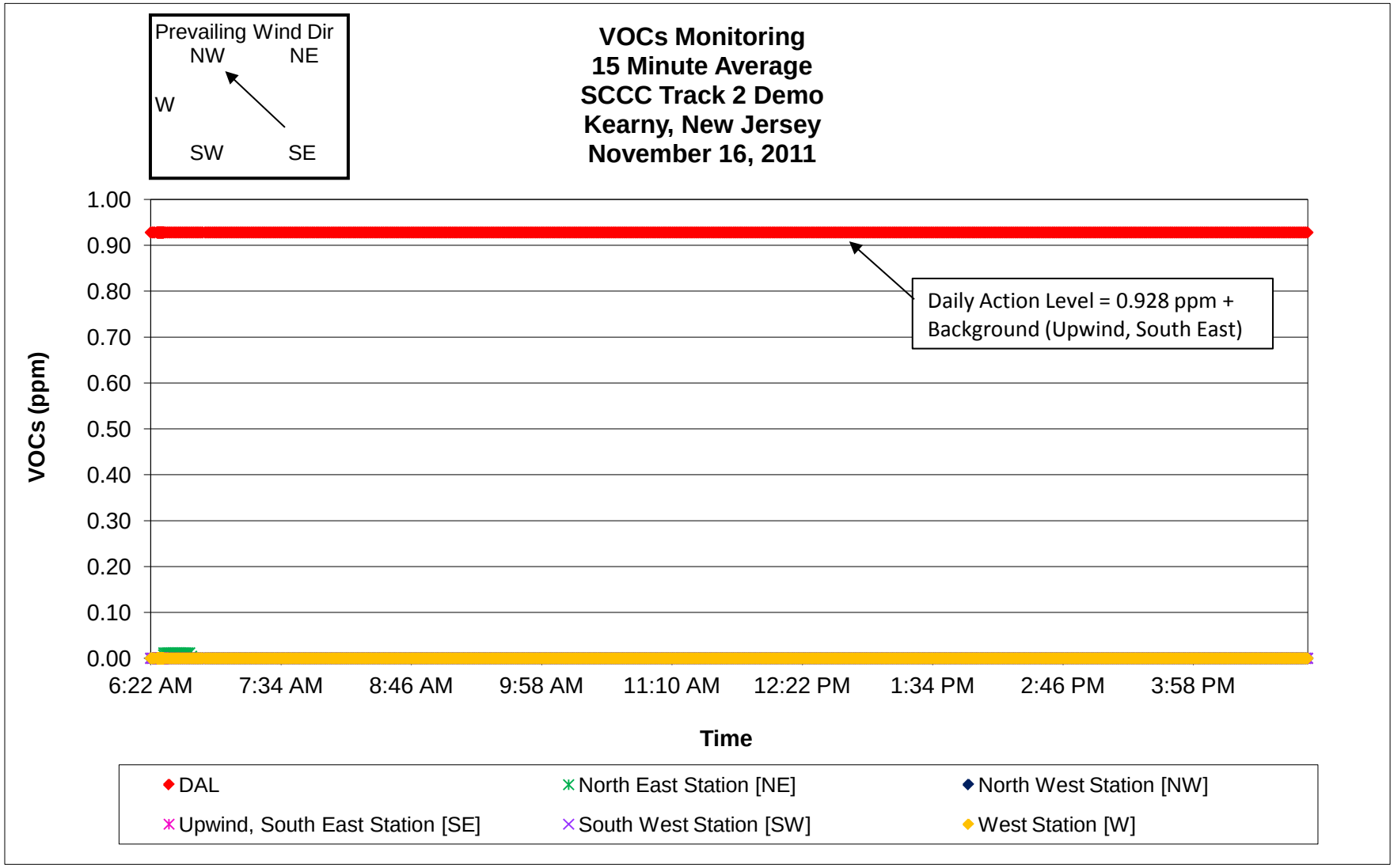

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 14, 2011
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:10 AM
8:34 AM
10:58 AM
1:22 PM
3:46 PM
6:10 PM
8:34 PM
10:58 PM
Time
Daily Action Level = 0.160 mg/m³ +
Background (Upwind, South West)
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
Upwind, South West Station [SW]
West Station [W]

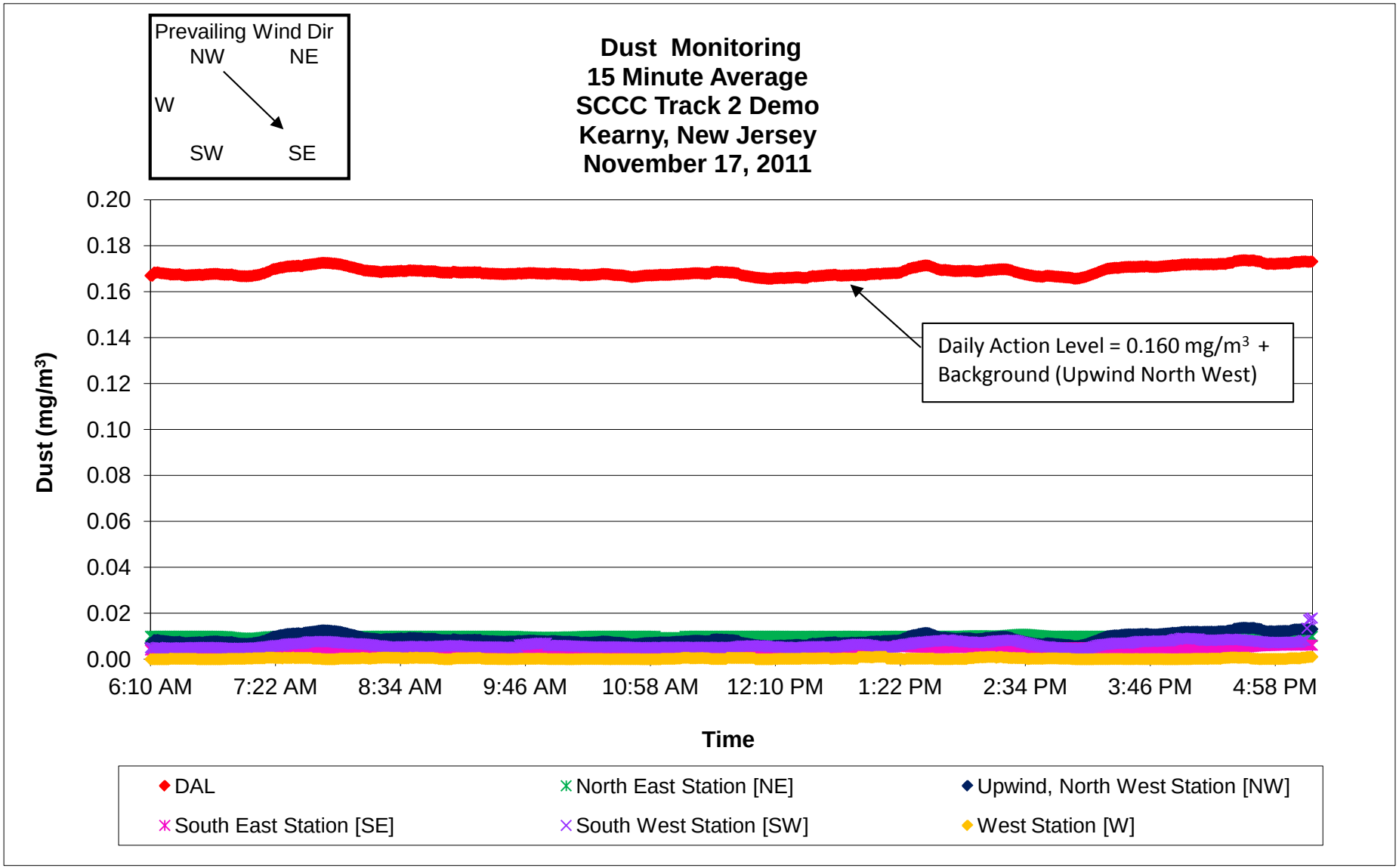

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 14, 2011
Daily Action Level = 0.928 ppm + Background (Upwind, South West)
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
6:10 AM
8:34 AM
10:58 AM
1:22 PM
3:46 PM
6:10 PM
8:34 PM
10:58 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
Upwind, South West Station [SW]
West Station [W]

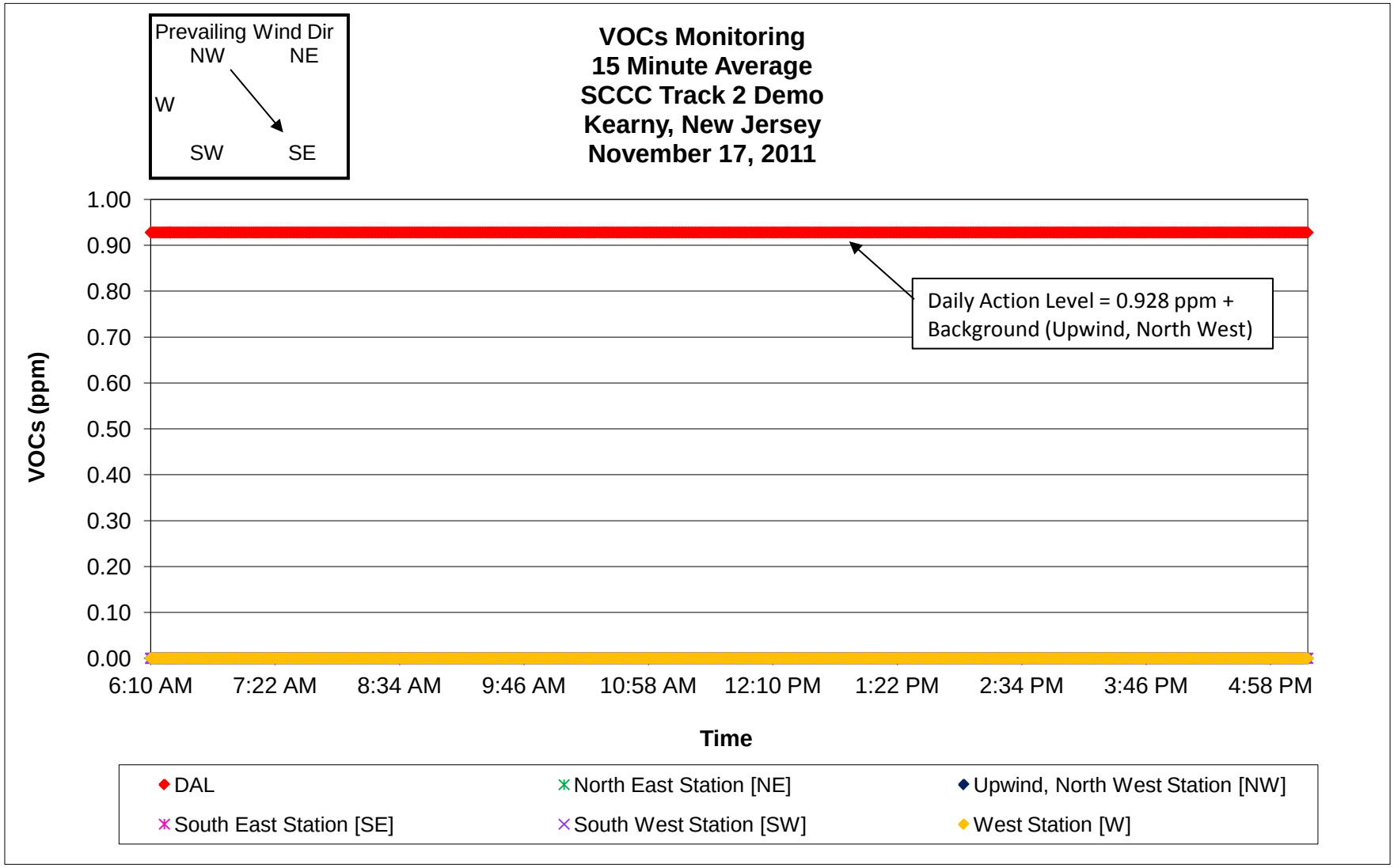

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 15, 2011
Daily Action Level = 0.160 mg/m3 + Background (Upwind, West)
Host computer station malfunction - did not record data from 1:37 PM to 3:17 PM
Dust (mg/m3)
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:00 AM
7:12 AM
8:24 AM
9:36 AM
10:48 AM
12:00 PM
1:12 PM
2:24 PM
3:36 PM
4:48 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
Upwind, West Station [W]

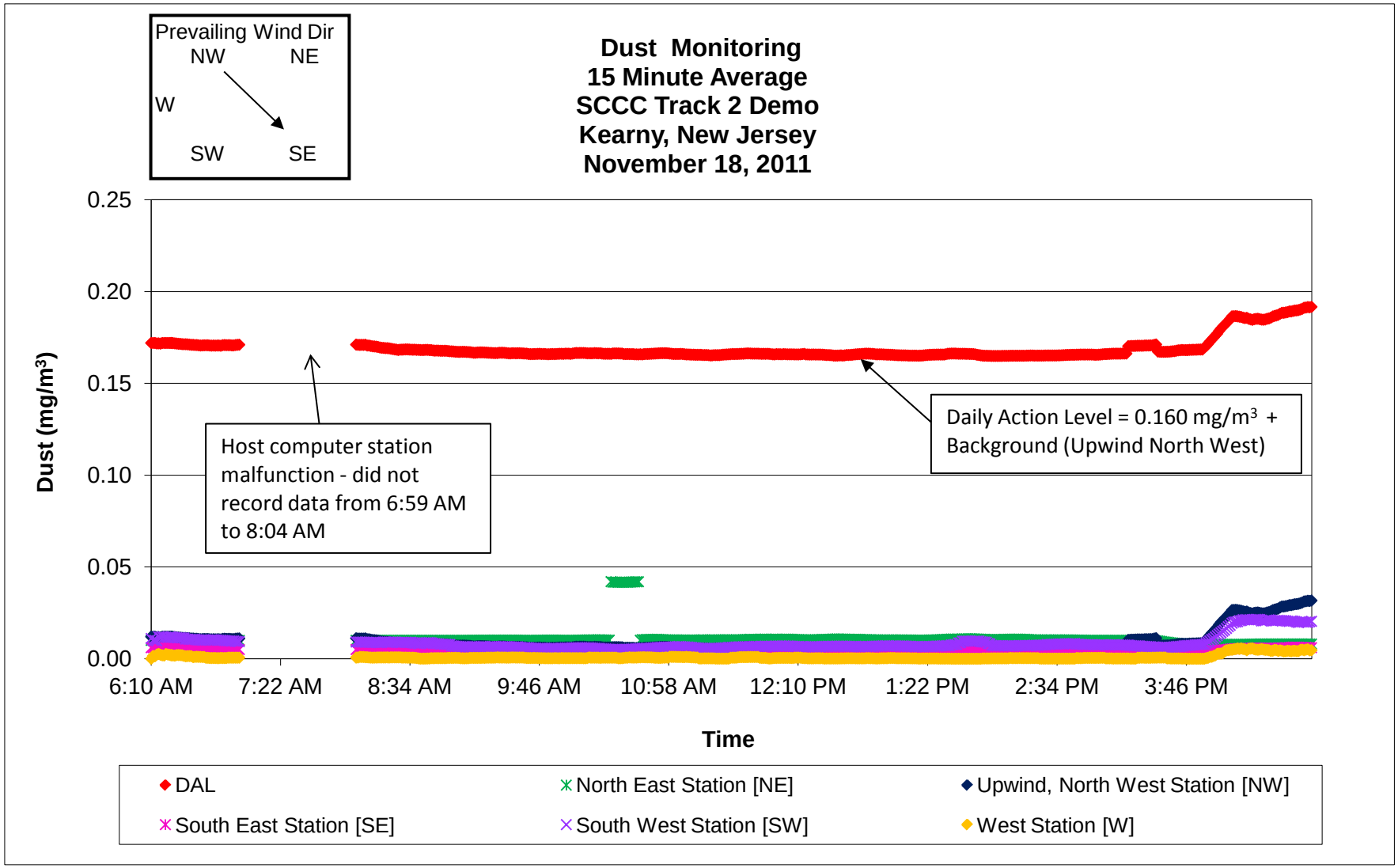

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 15, 2011
Daily Action Level = 0.928 ppm + Background (Upwind, West)
Host computer station malfunction - did not record data from 1:37 PM to 3:17 PM
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
6:00 AM
7:12 AM
8:24 AM
9:36 AM
10:48 AM
12:00 PM
1:12 PM
2:24 PM
3:36 PM
4:48 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
Upwind, West Station [W]

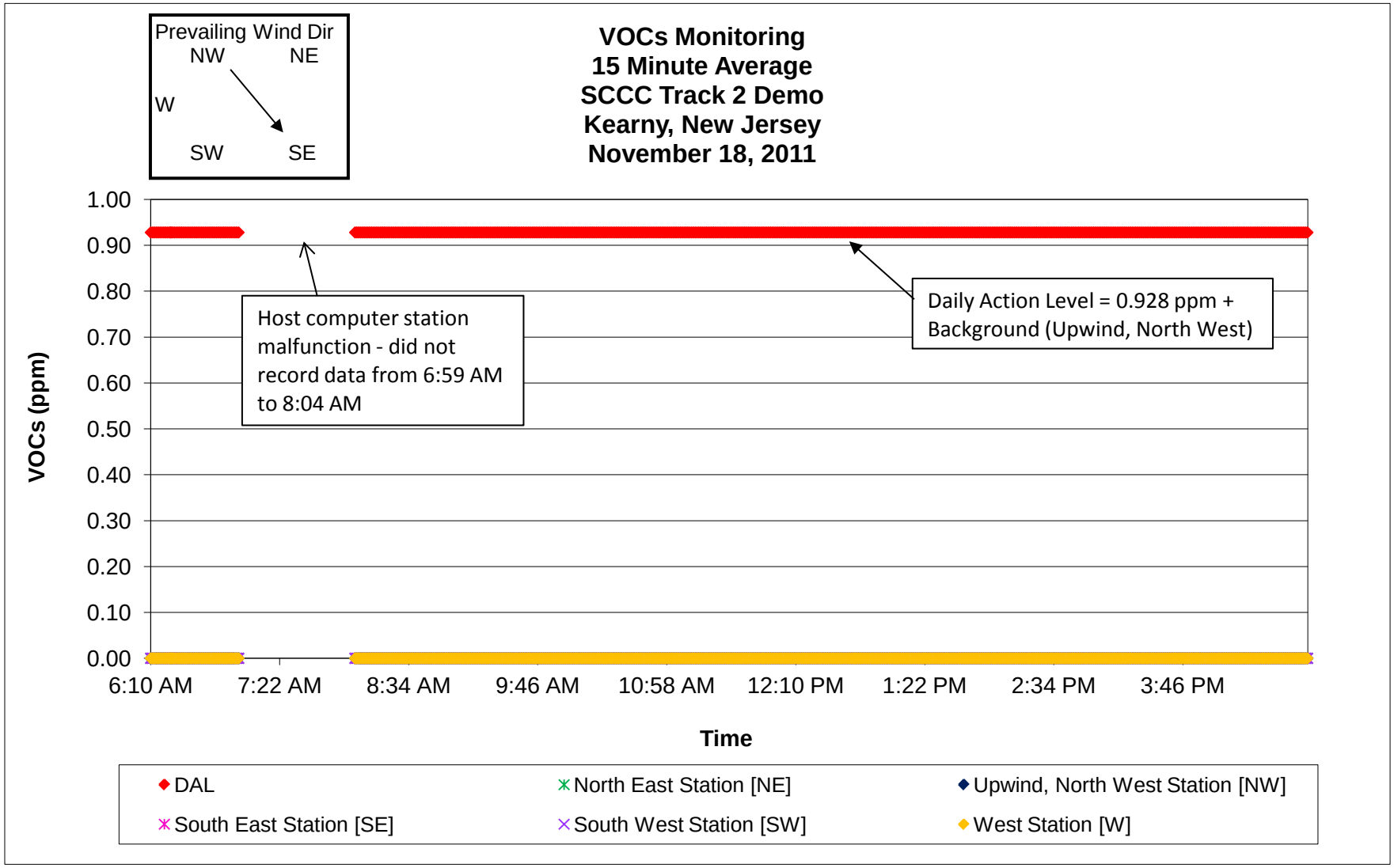

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 16, 2011
Daily Action Level = 0.160 mg/m³ +
Background (Upwind South East)
Dust (mg/m³)
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:22 AM
7:34 AM
8:46 AM
9:58 AM
11:10 AM
12:22 PM
1:34 PM
2:46 PM
3:58 PM
Time
DAL
North East Station [NE]
North West Station [NW]
Upwind, South East Station [SE]
South West Station [SW]
West Station [W]

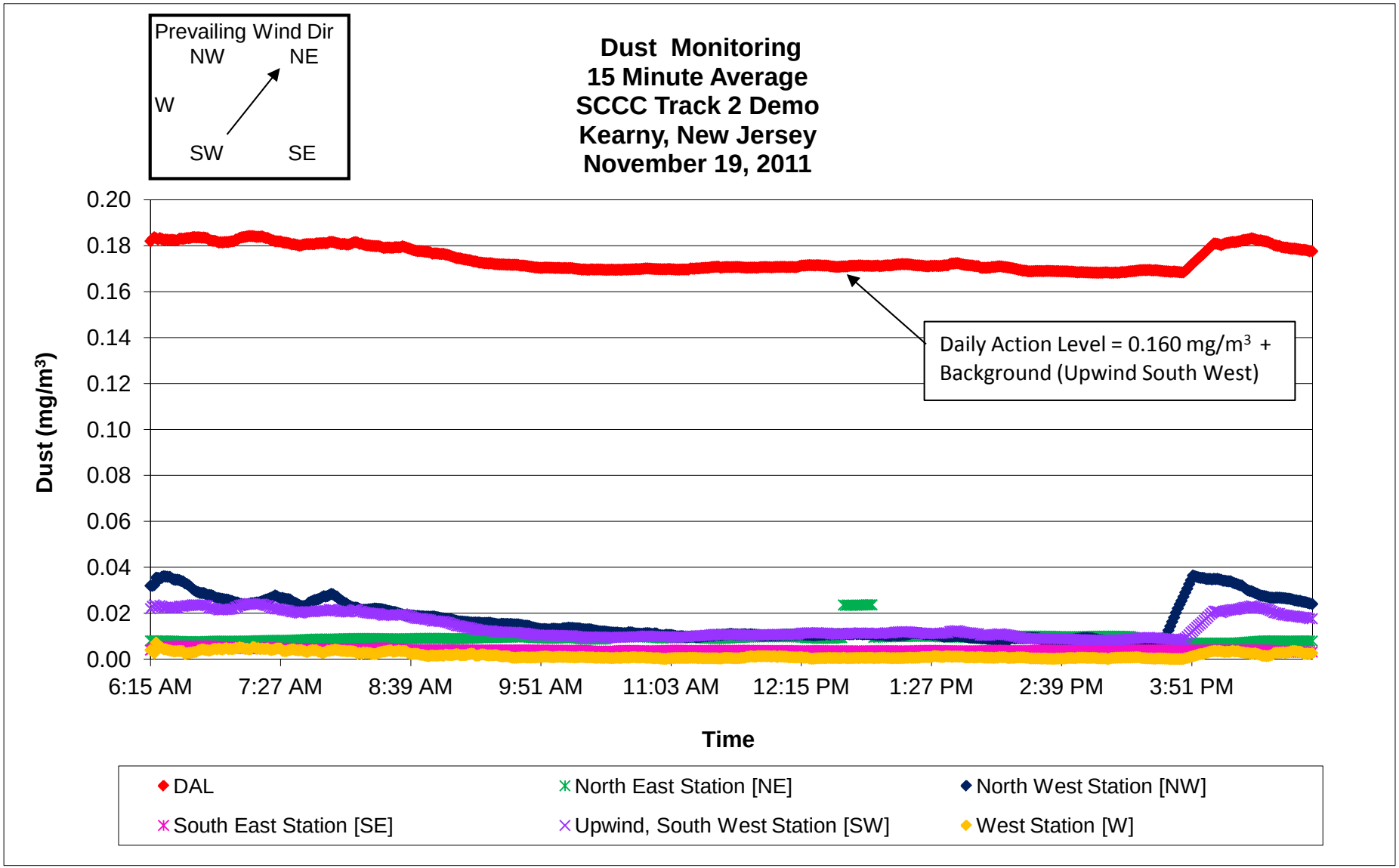

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 16, 2011
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Daily Action Level = 0.928 ppm + Background (Upwind, South East)
6:22 AM
7:34 AM
8:46 AM
9:58 AM
11:10 AM
12:22 PM
1:34 PM
2:46 PM
3:58 PM
Time
DAL
North East Station [NE]
North West Station [NW]
Upwind, South East Station [SE]
South West Station [SW]
West Station [W]

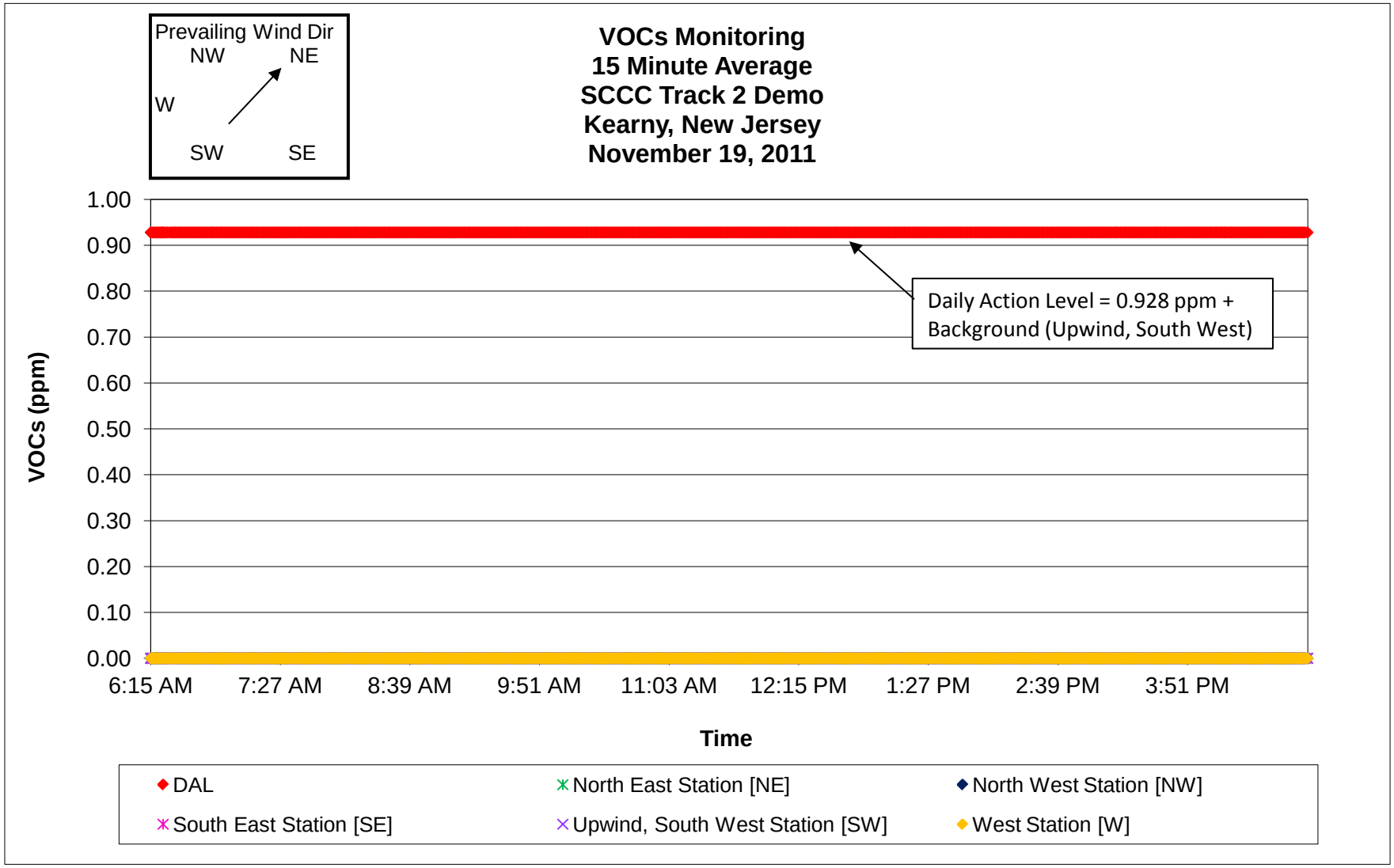

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 17, 2011
Daily Action Level = 0.160 mg/m³ +
Background (Upwind North West)
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:10 AM
7:22 AM
8:34 AM
9:46 AM
10:58 AM
12:10 PM
1:22 PM
2:34 PM
3:46 PM
4:58 PM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

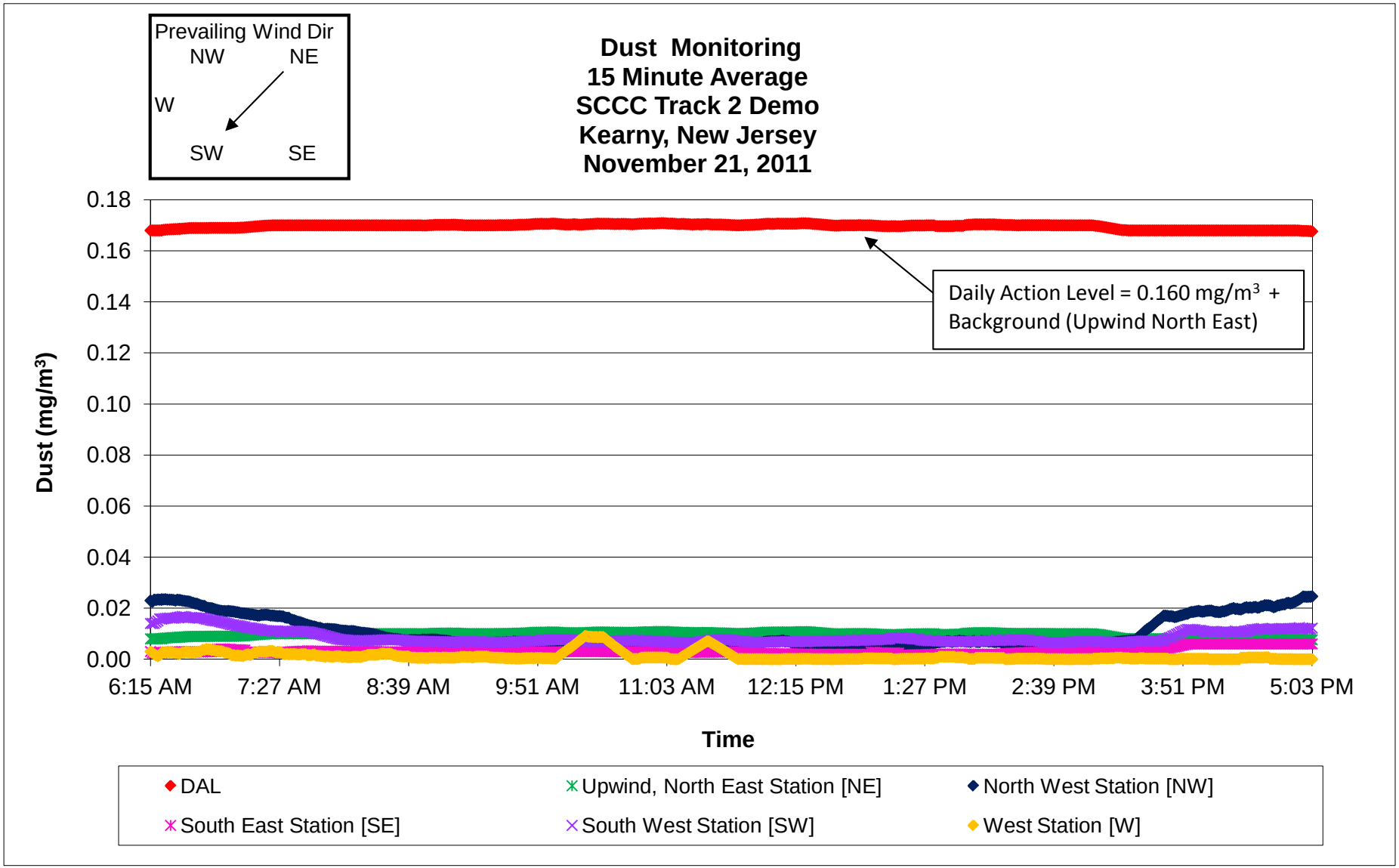

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 17, 2011
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
VOCs (ppm)
Daily Action Level = 0.928 ppm +
Background (Upwind, North West)
6:10 AM
7:22 AM
8:34 AM
9:46 AM
10:58 AM
12:10 PM
1:22 PM
2:34 PM
3:46 PM
4:58 PM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

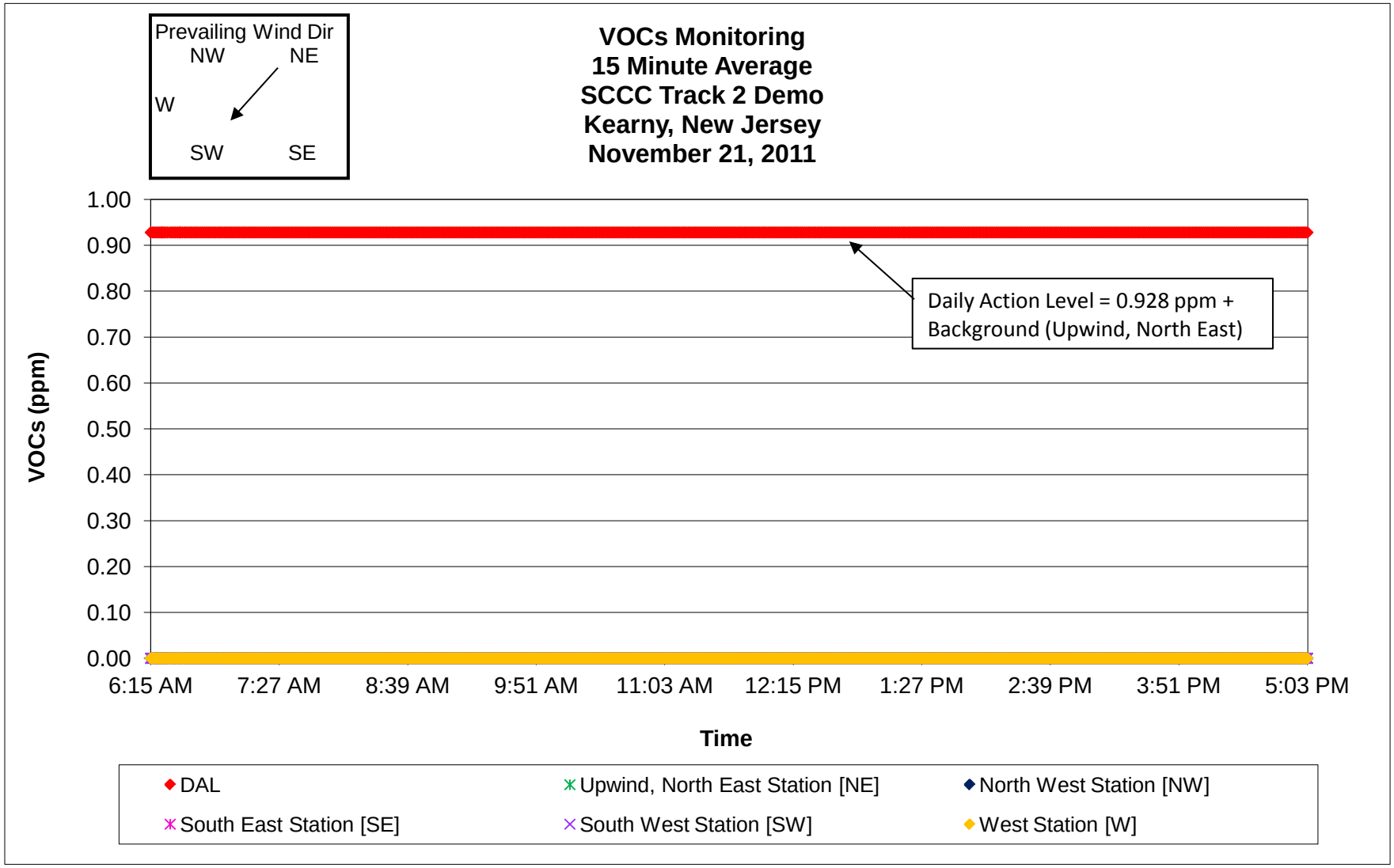

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 18, 2011
Dust (mg/m³)
0.25
0.20
0.15
0.10
0.05
0.00
6:10 AM
7:22 AM
8:34 AM
9:46 AM
10:58 AM
12:10 PM
1:22 PM
2:34 PM
3:46 PM
Time
Host computer station malfunction - did not record data from 6:59 AM to 8:04 AM
Daily Action Level = 0.160 mg/m³ + Background (Upwind North West)
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

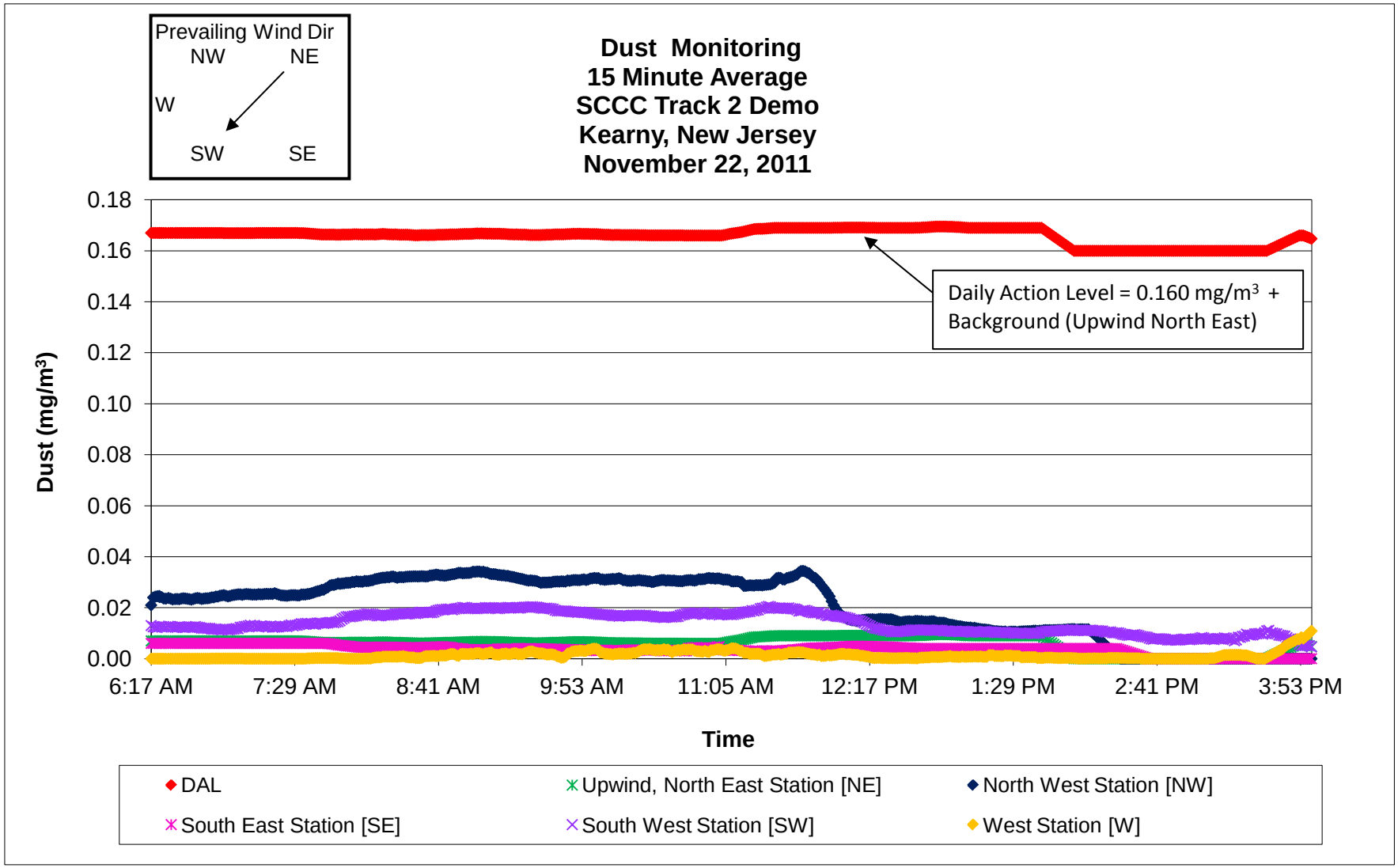

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 18, 2011
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Host computer station malfunction - did not record data from 6:59 AM to 8:04 AM
Daily Action Level = 0.928 ppm + Background (Upwind, North West)
6:10 AM
7:22 AM
8:34 AM
9:46 AM
10:58 AM
12:10 PM
1:22 PM
2:34 PM
3:46 PM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

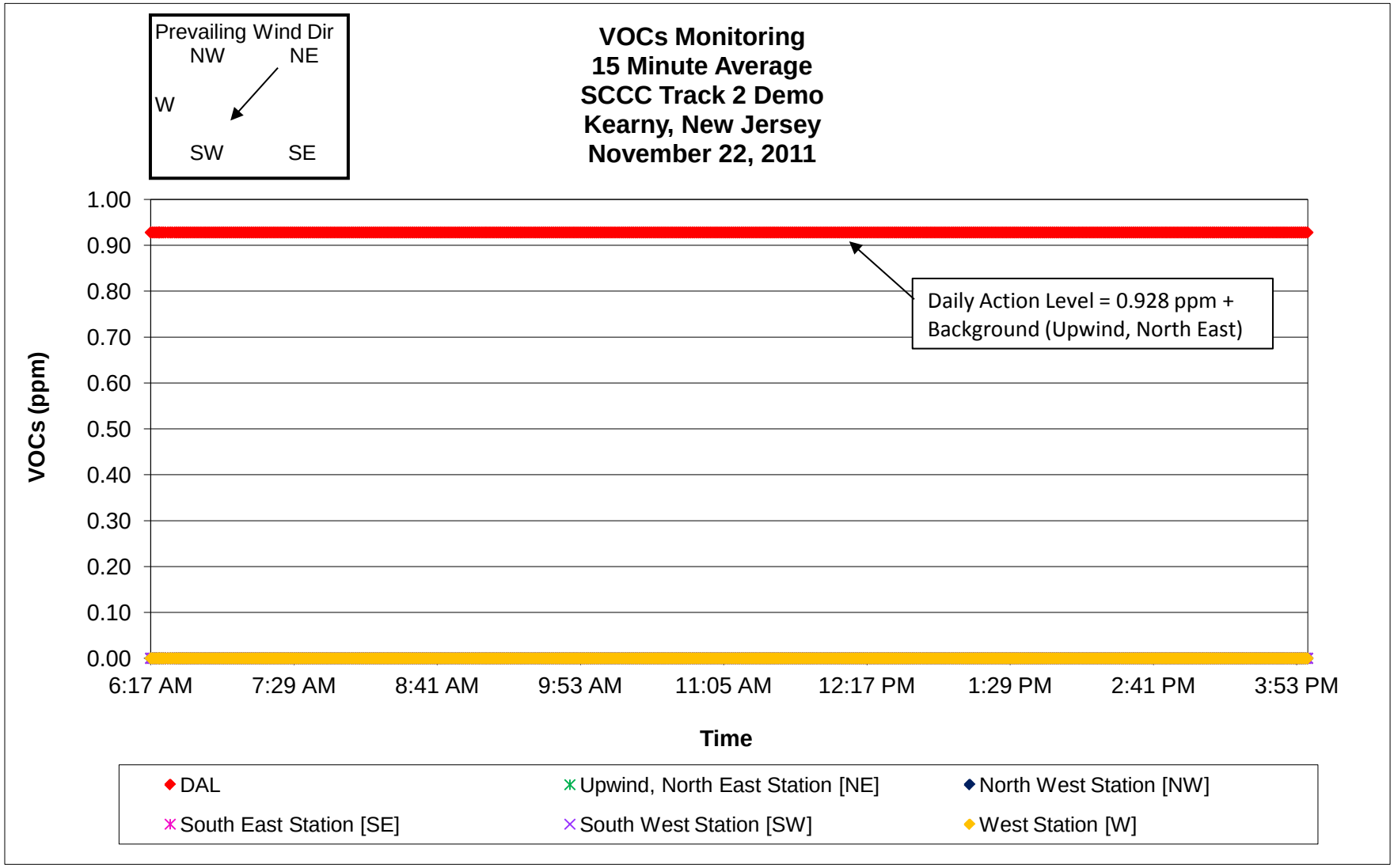

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 19, 2011
Daily Action Level = 0.160 mg/m³ +
Background (Upwind South West)
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:15 AM
7:27 AM
8:39 AM
9:51 AM
11:03 AM
12:15 PM
1:27 PM
2:39 PM
3:51 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
Upwind, South West Station [SW]
West Station [W]

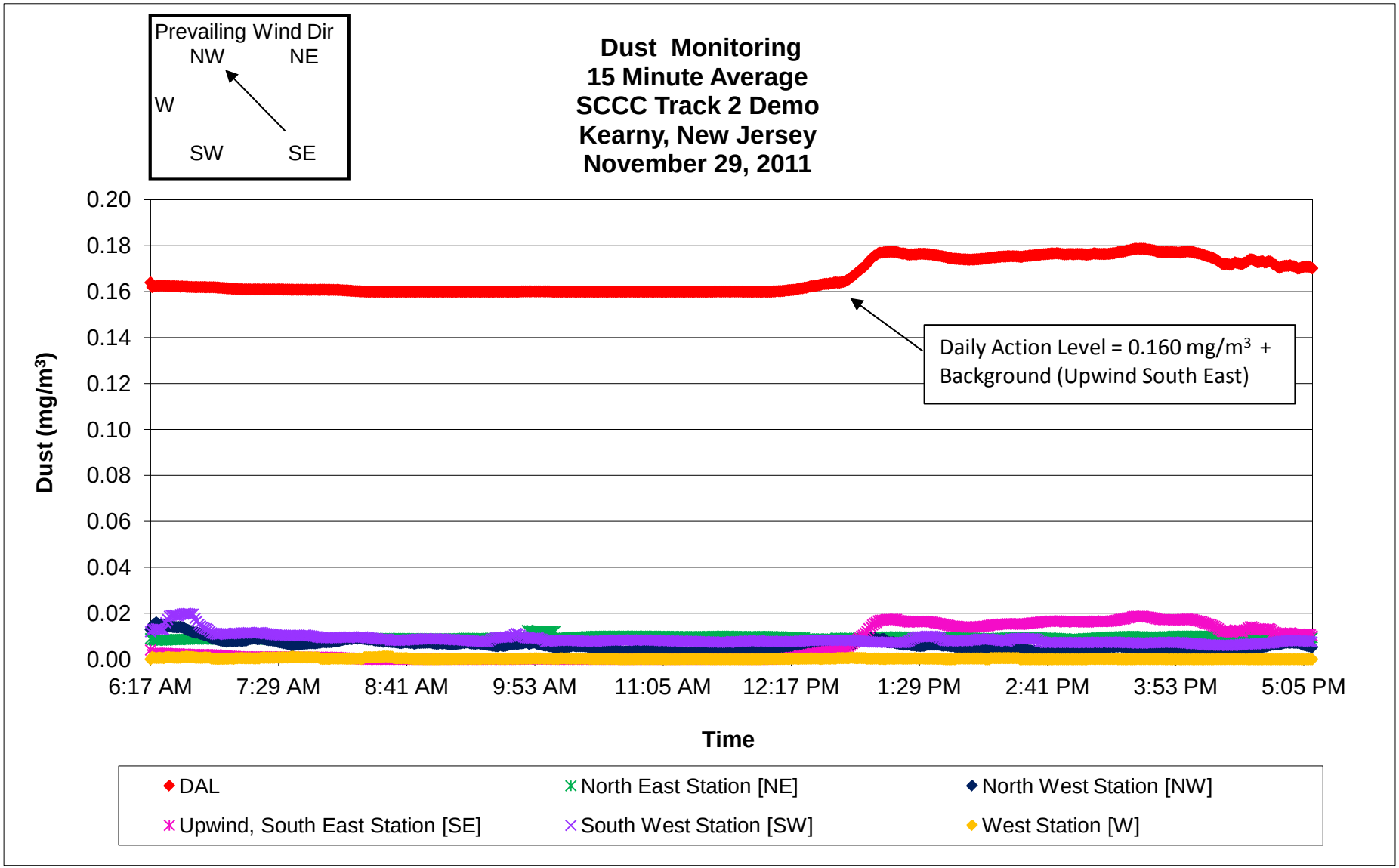

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 19, 2011
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Daily Action Level = 0.928 ppm +
Background (Upwind, South West)
6:15 AM
7:27 AM
8:39 AM
9:51 AM
11:03 AM
12:15 PM
1:27 PM
2:39 PM
3:51 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
Upwind, South West Station [SW]
West Station [W]

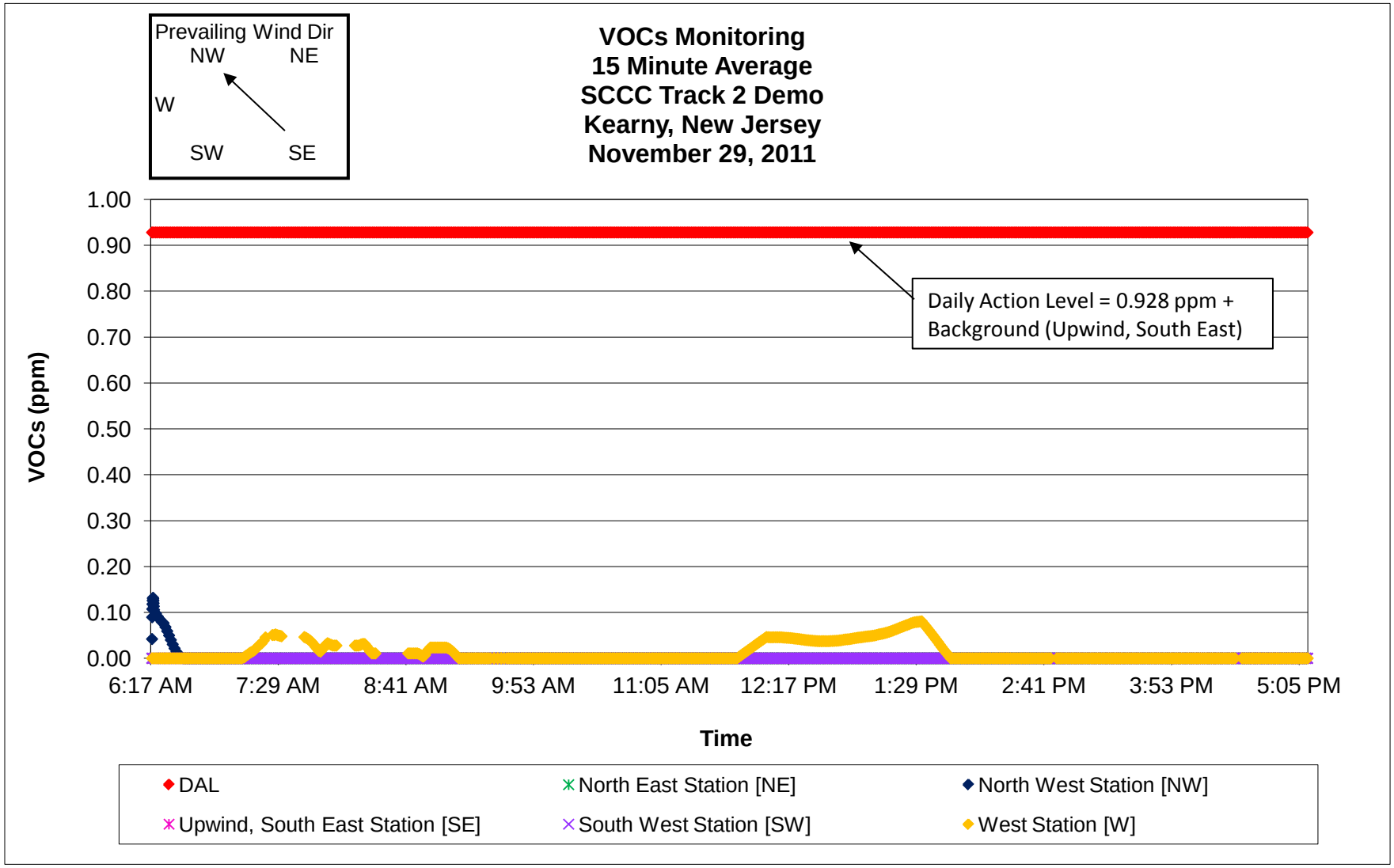

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 21, 2011
Daily Action Level = 0.160 mg/m3 + Background (Upwind North East)
Dust (mg/m3)
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:15 AM
7:27 AM
8:39 AM
9:51 AM
11:03 AM
12:15 PM
1:27 PM
2:39 PM
3:51 PM
5:03 PM
Time
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

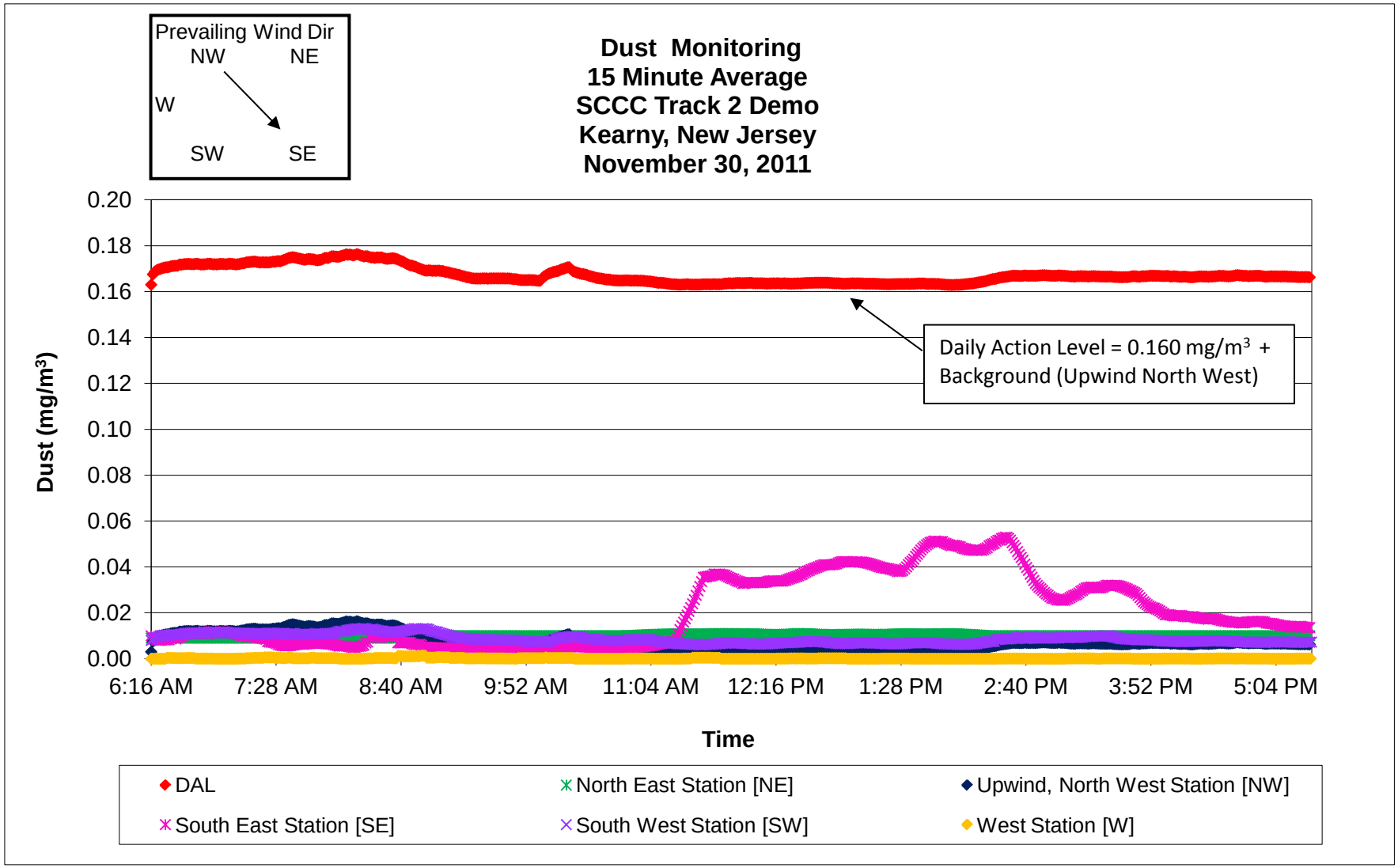

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 21, 2011
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Daily Action Level = 0.928 ppm +
Background (Upwind, North East)
6:15 AM
7:27 AM
8:39 AM
9:51 AM
11:03 AM
12:15 PM
1:27 PM
2:39 PM
3:51 PM
5:03 PM
Time
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

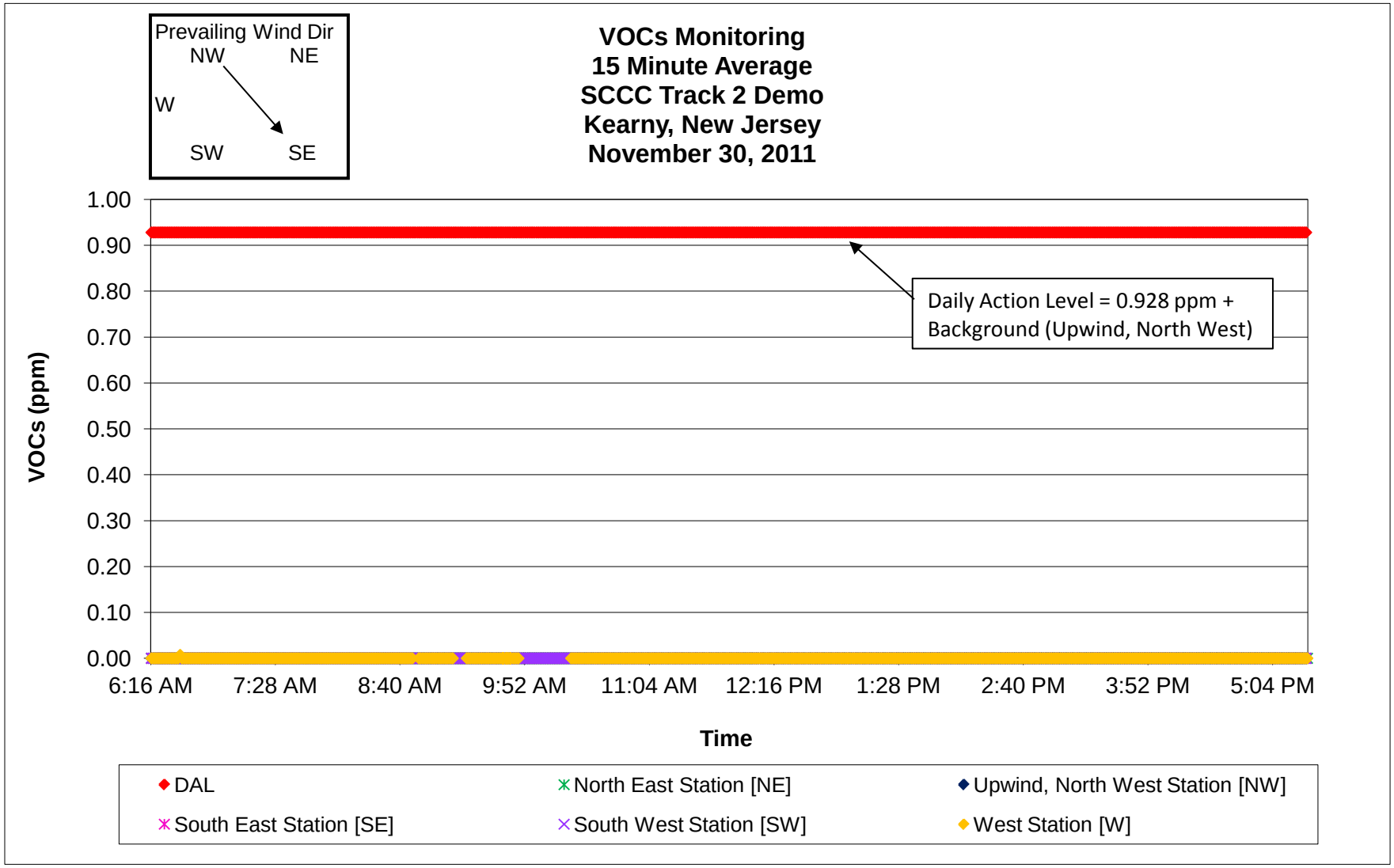

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 22, 2011
Daily Action Level = 0.160 mg/m³ + Background (Upwind North East)
Dust (mg/m³)
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:17 AM
7:29 AM
8:41 AM
9:53 AM
11:05 AM
12:17 PM
1:29 PM
2:41 PM
3:53 PM
Time
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

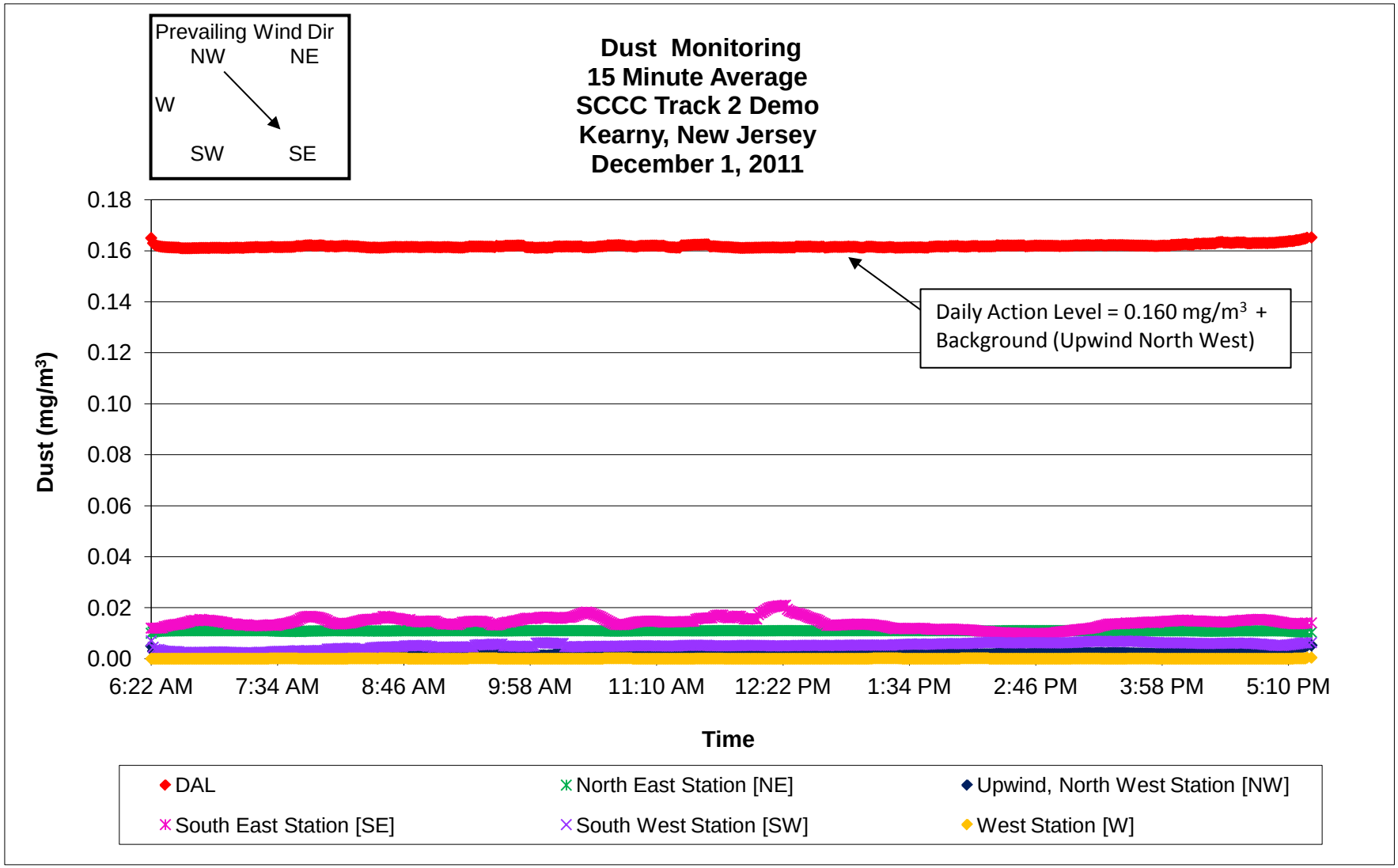

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 22, 2011
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
VOCs (ppm)
Daily Action Level = 0.928 ppm +
Background (Upwind, North East)
6:17 AM
7:29 AM
8:41 AM
9:53 AM
11:05 AM
12:17 PM
1:29 PM
2:41 PM
3:53 PM
Time
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

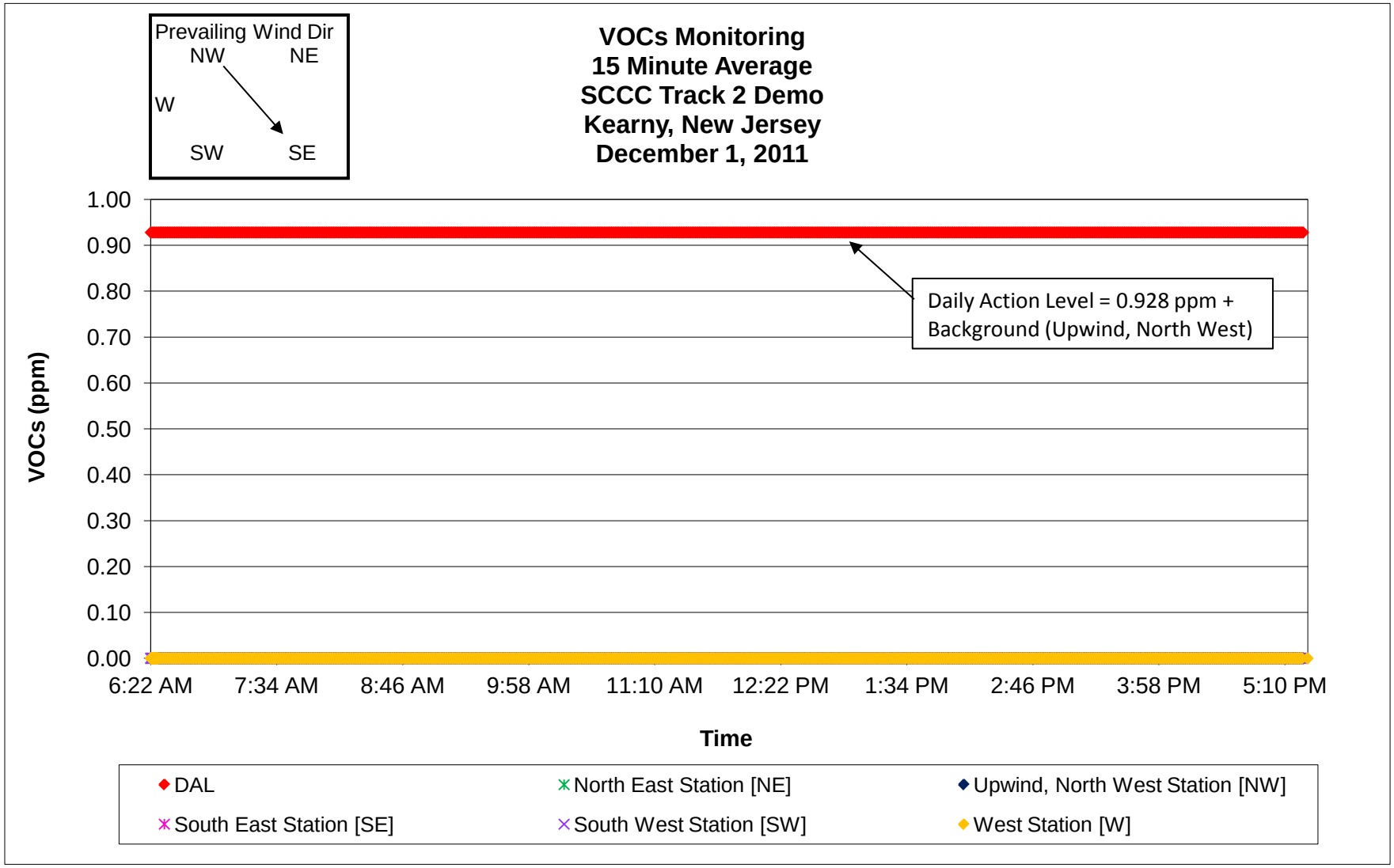

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 29, 2011
Daily Action Level = 0.160 mg/m³ +
Background (Upwind South East)
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:17 AM
7:29 AM
8:41 AM
9:53 AM
11:05 AM
12:17 PM
1:29 PM
2:41 PM
3:53 PM
5:05 PM
Time
DAL
North East Station [NE]
North West Station [NW]
Upwind, South East Station [SE]
South West Station [SW]
West Station [W]

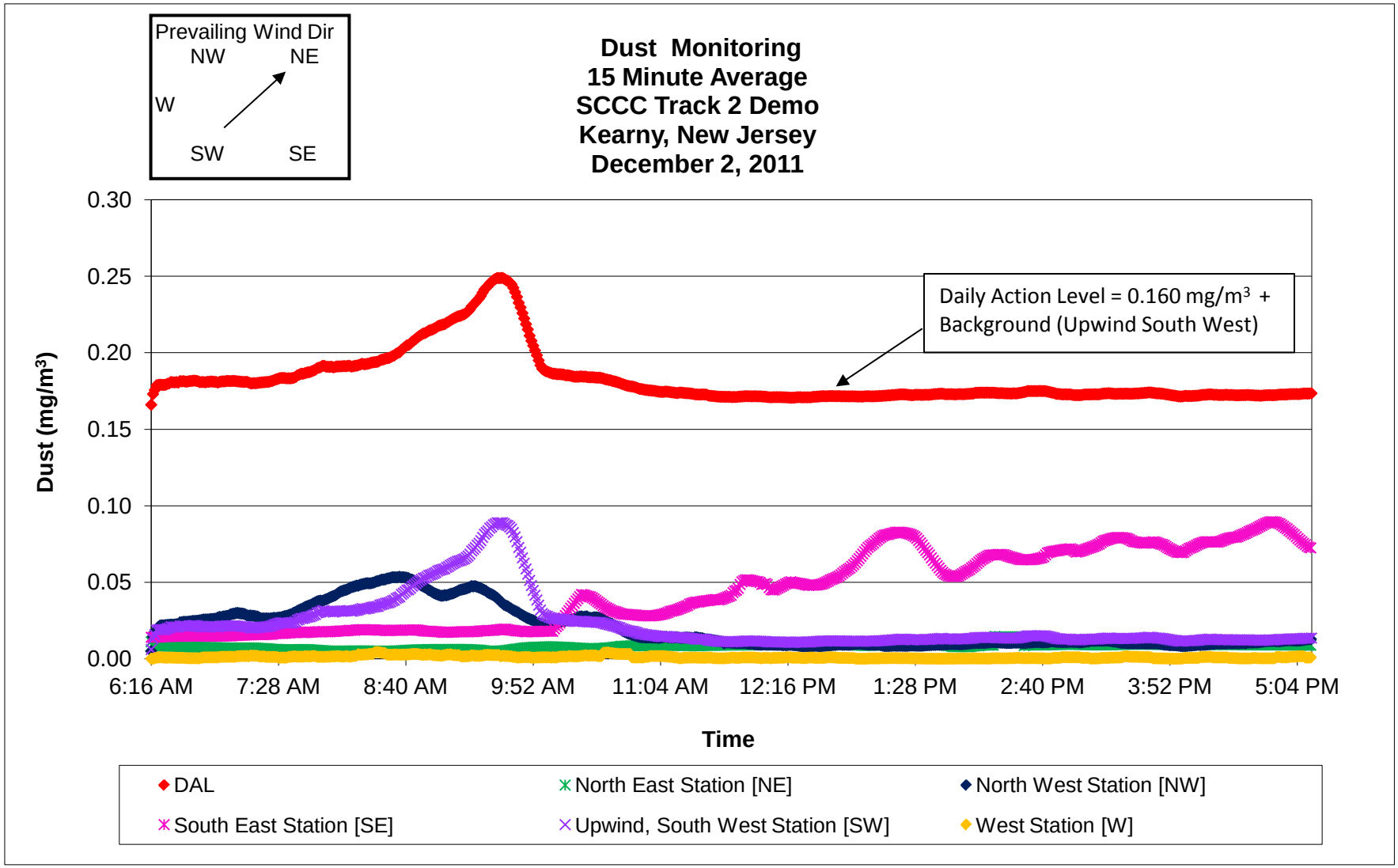

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 29, 2011
Daily Action Level = 0.928 ppm + Background (Upwind, South East)
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
6:17 AM
7:29 AM
8:41 AM
9:53 AM
11:05 AM
12:17 PM
1:29 PM
2:41 PM
3:53 PM
5:05 PM
Time
DAL
North East Station [NE]
North West Station [NW]
Upwind, South East Station [SE]
South West Station [SW]
West Station [W]

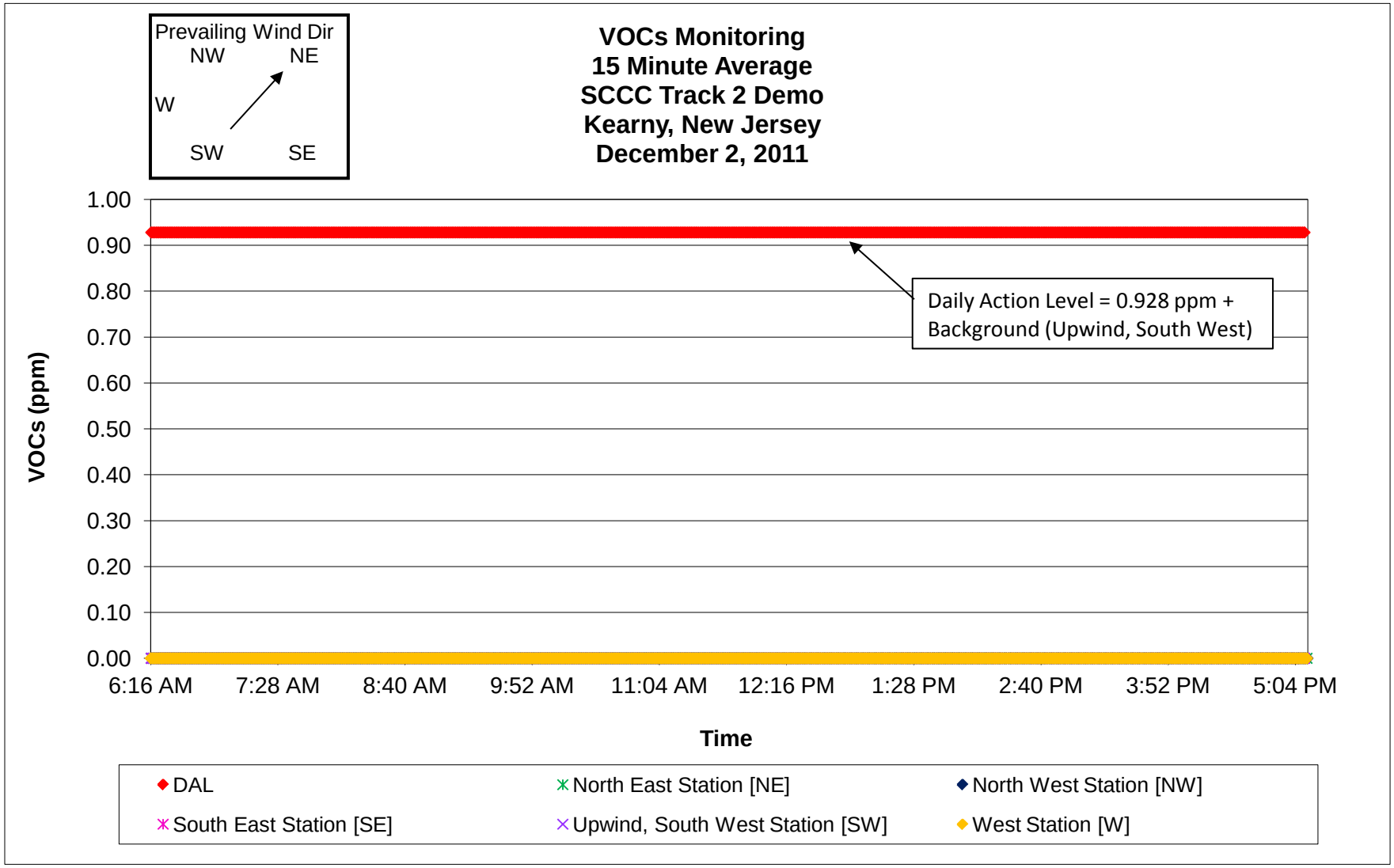

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 30, 2011
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:16 AM
7:28 AM
8:40 AM
9:52 AM
11:04 AM
12:16 PM
1:28 PM
2:40 PM
3:52 PM
5:04 PM
Time
Daily Action Level = 0.160 mg/m³ + Background (Upwind North West)
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

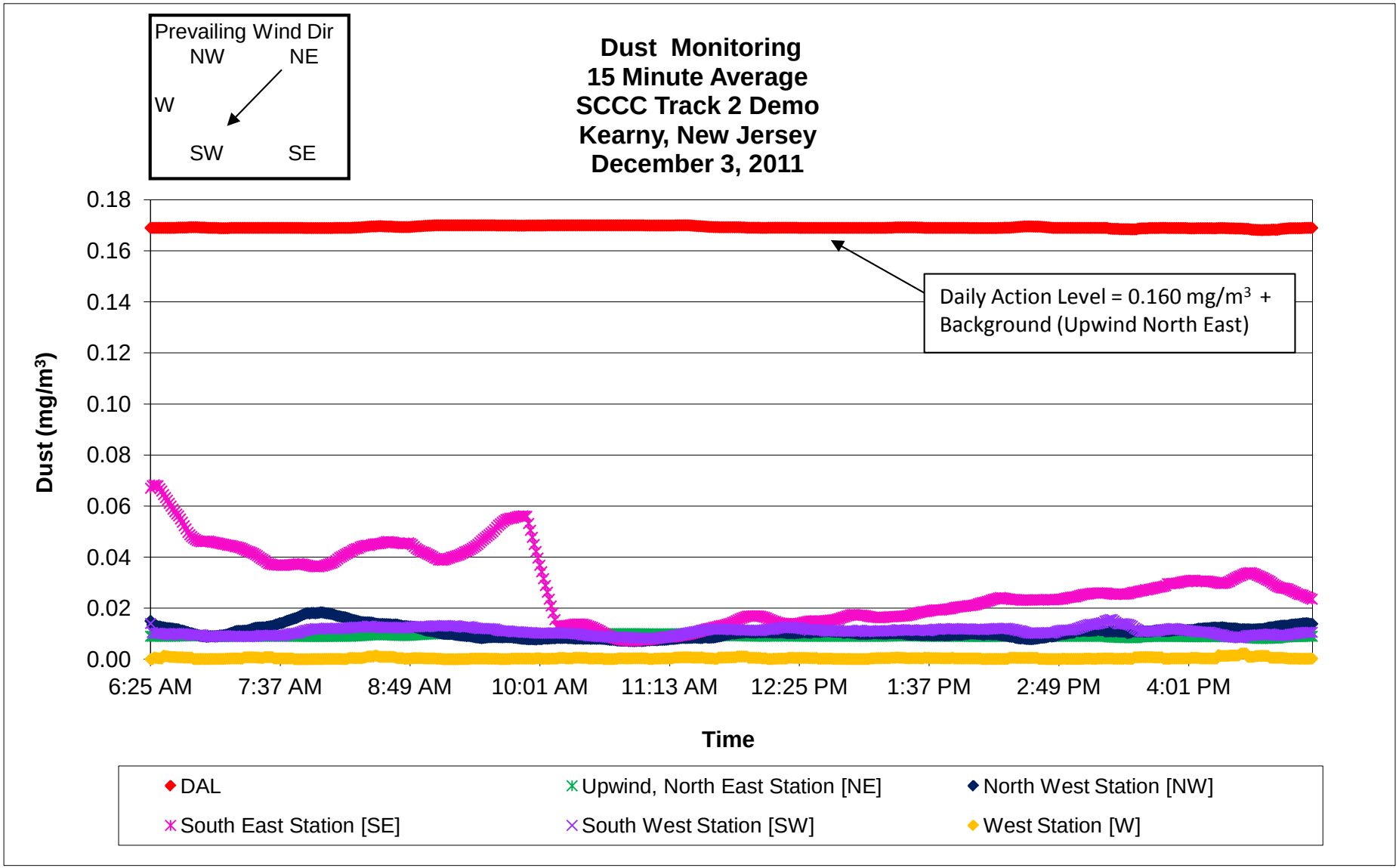

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
November 30, 2011
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Daily Action Level = 0.928 ppm +
Background (Upwind, North West)
6:16 AM
7:28 AM
8:40 AM
9:52 AM
11:04 AM
12:16 PM
1:28 PM
2:40 PM
3:52 PM
5:04 PM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

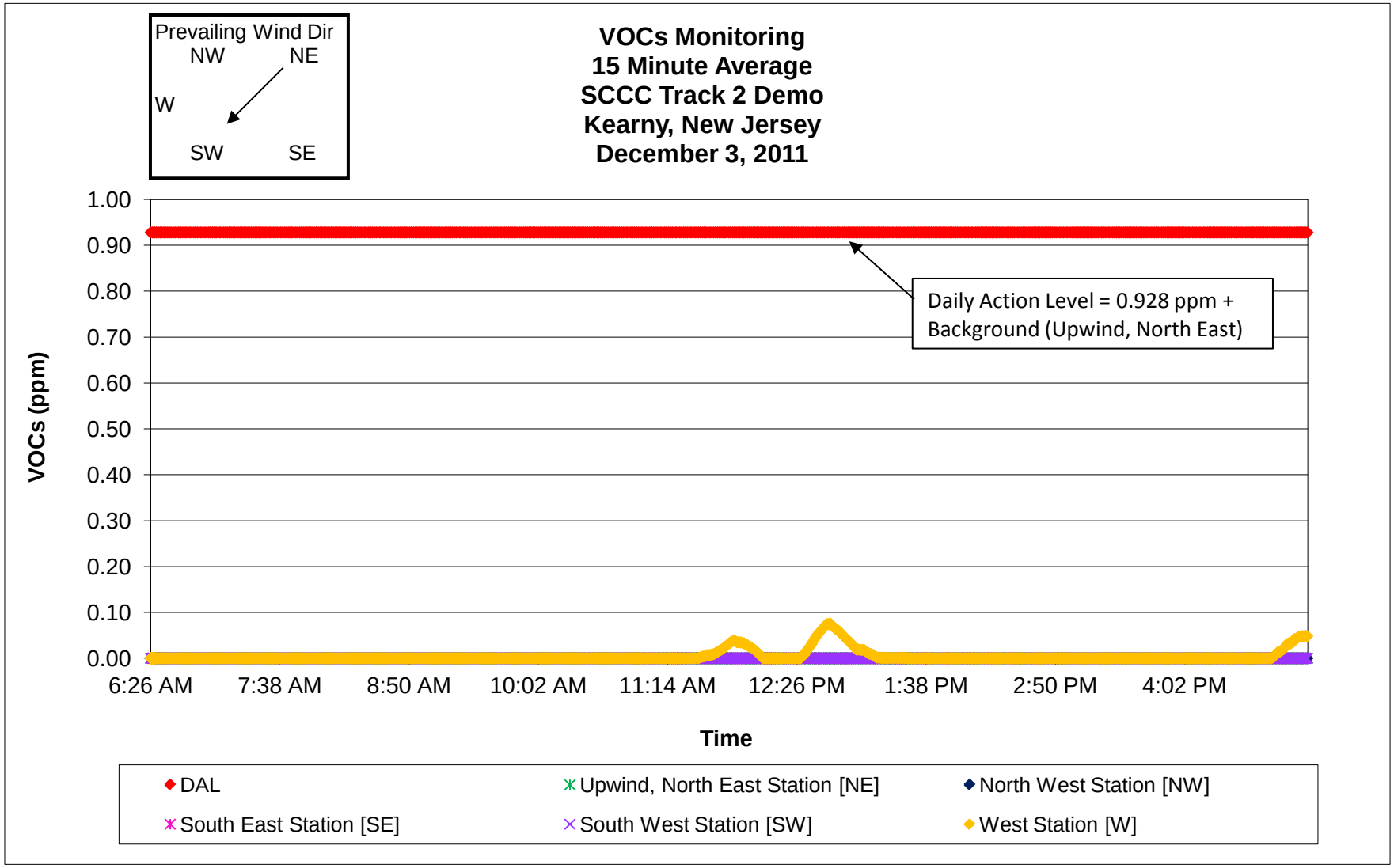

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 1, 2011
Daily Action Level = 0.160 mg/m3 + Background (Upwind North West)
Dust (mg/m3)
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:22 AM
7:34 AM
8:46 AM
9:58 AM
11:10 AM
12:22 PM
1:34 PM
2:46 PM
3:58 PM
5:10 PM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

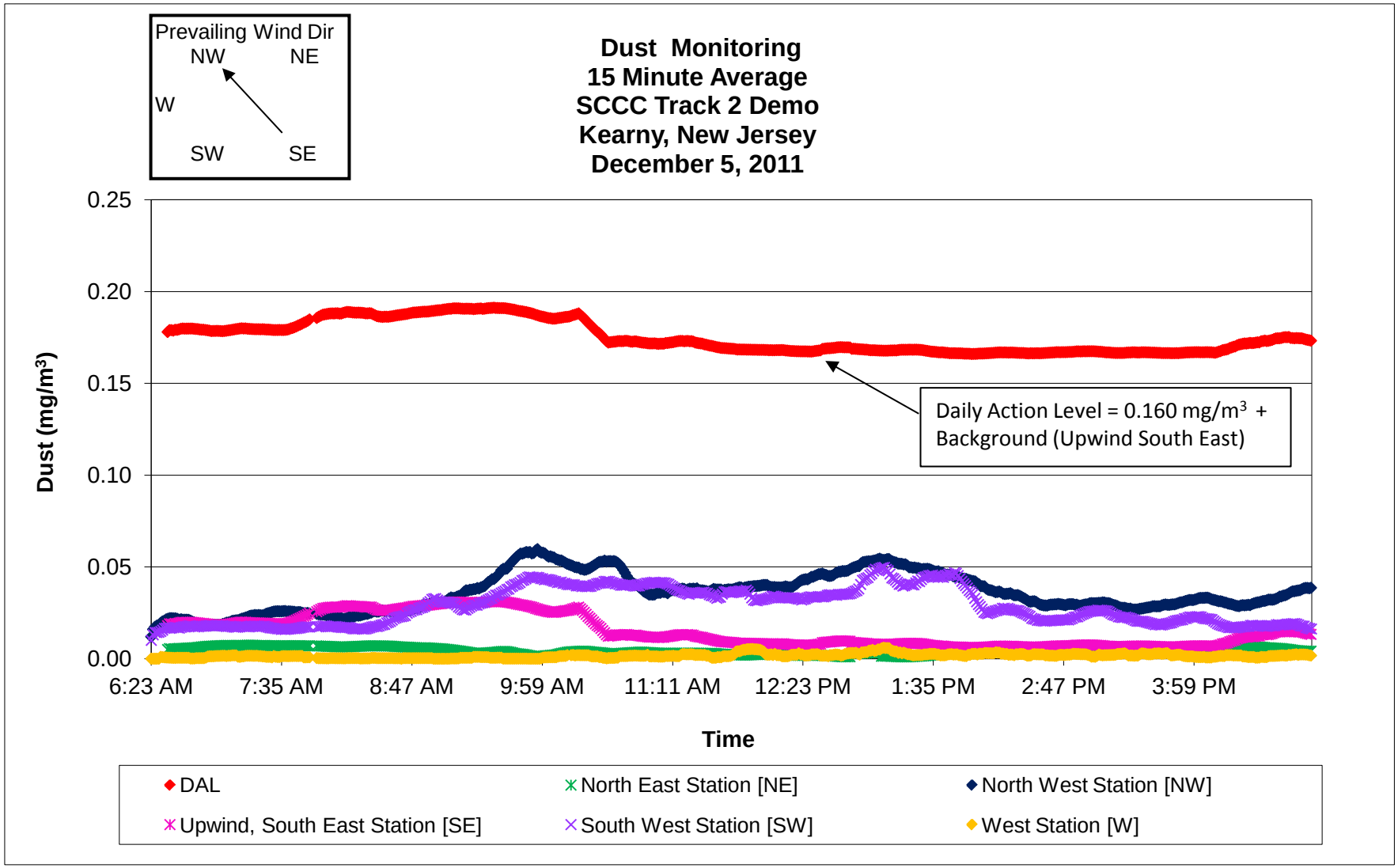

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 1, 2011
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
VOCs (ppm)
Daily Action Level = 0.928 ppm +
Background (Upwind, North West)
6:22 AM
7:34 AM
8:46 AM
9:58 AM
11:10 AM
12:22 PM
1:34 PM
2:46 PM
3:58 PM
5:10 PM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

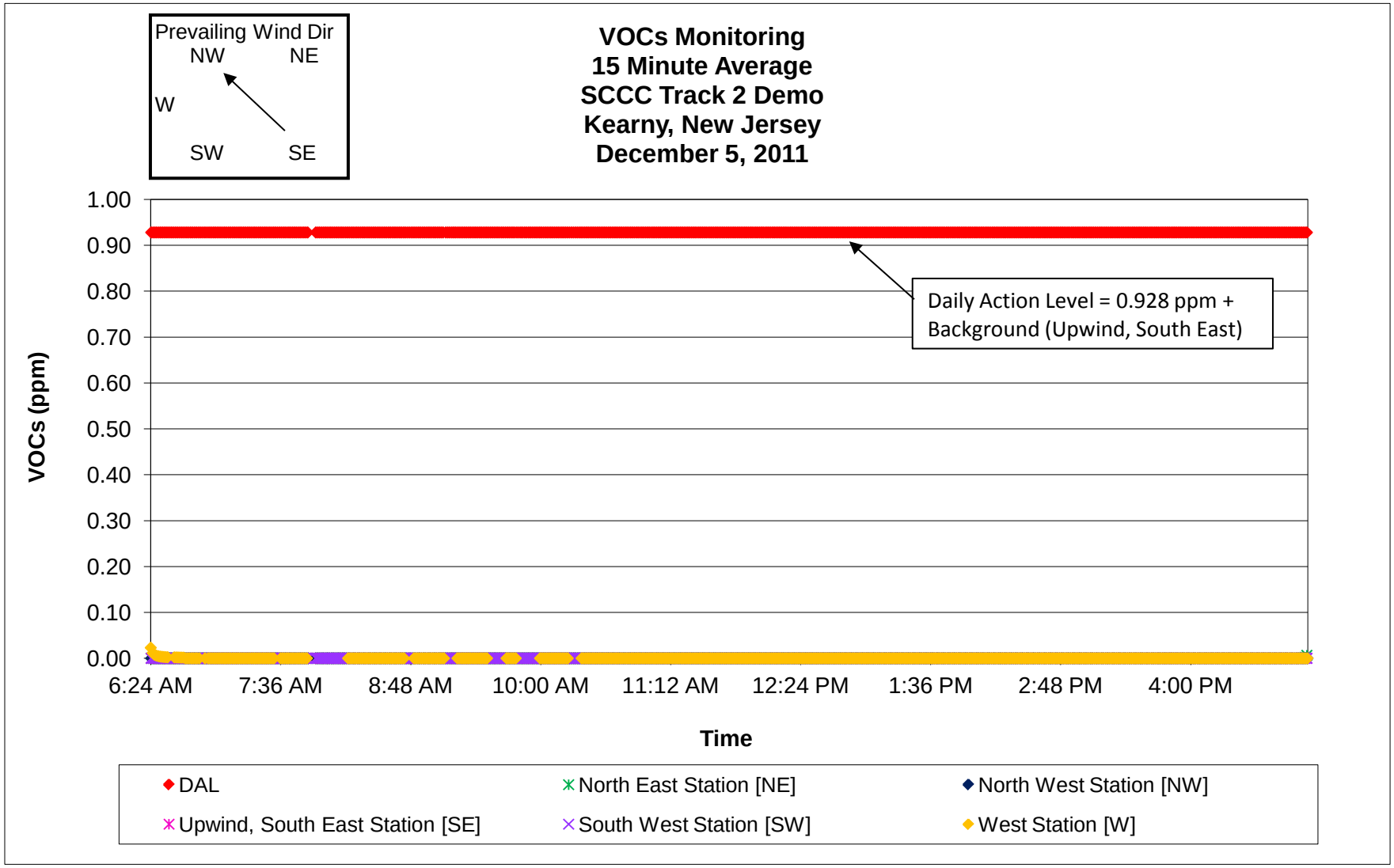

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 2, 2011
Daily Action Level = 0.160 mg/m³ +
Background (Upwind South West)
Dust (mg/m³)
0.30
0.25
0.20
0.15
0.10
0.05
0.00
6:16 AM
7:28 AM
8:40 AM
9:52 AM
11:04 AM
12:16 PM
1:28 PM
2:40 PM
3:52 PM
5:04 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
Upwind, South West Station [SW]
West Station [W]

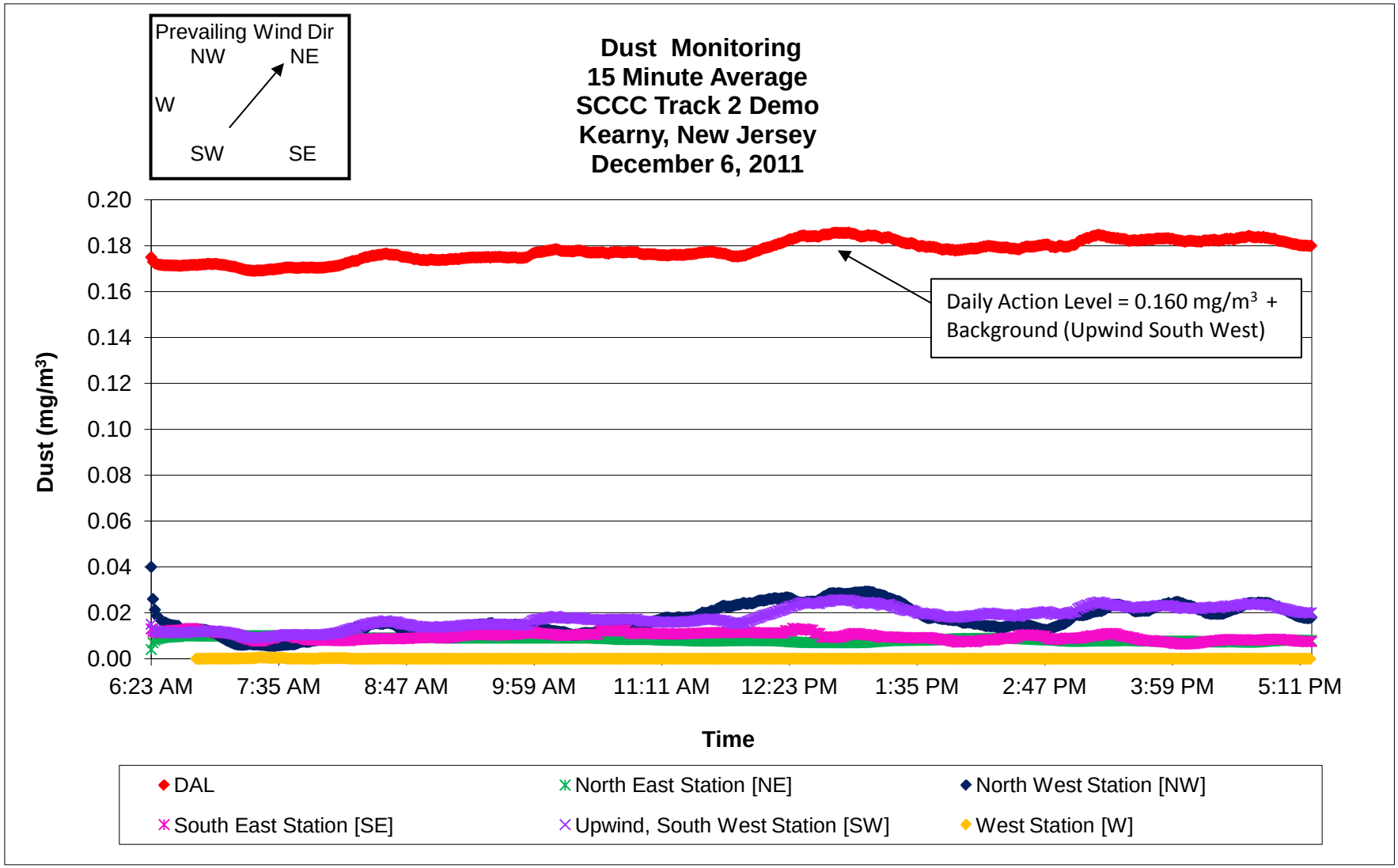

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 2, 2011
Daily Action Level = 0.928 ppm + Background (Upwind, South West)
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
6:16 AM
7:28 AM
8:40 AM
9:52 AM
11:04 AM
12:16 PM
1:28 PM
2:40 PM
3:52 PM
5:04 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
Upwind, South West Station [SW]
West Station [W]

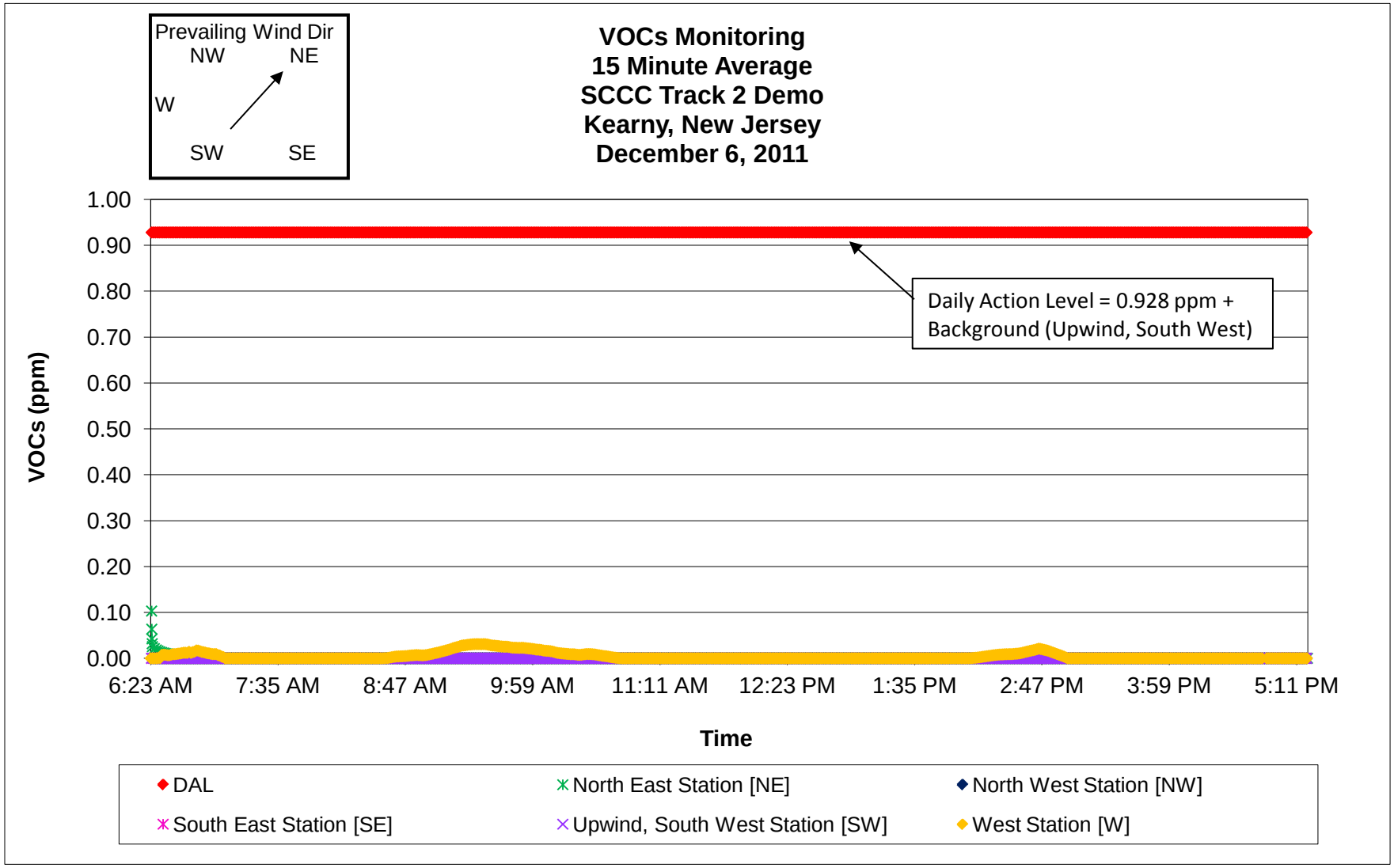

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 3, 2011
Daily Action Level = 0.160 mg/m³ + Background (Upwind North East)
Dust (mg/m³)
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:25 AM
7:37 AM
8:49 AM
10:01 AM
11:13 AM
12:25 PM
1:37 PM
2:49 PM
4:01 PM
Time
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

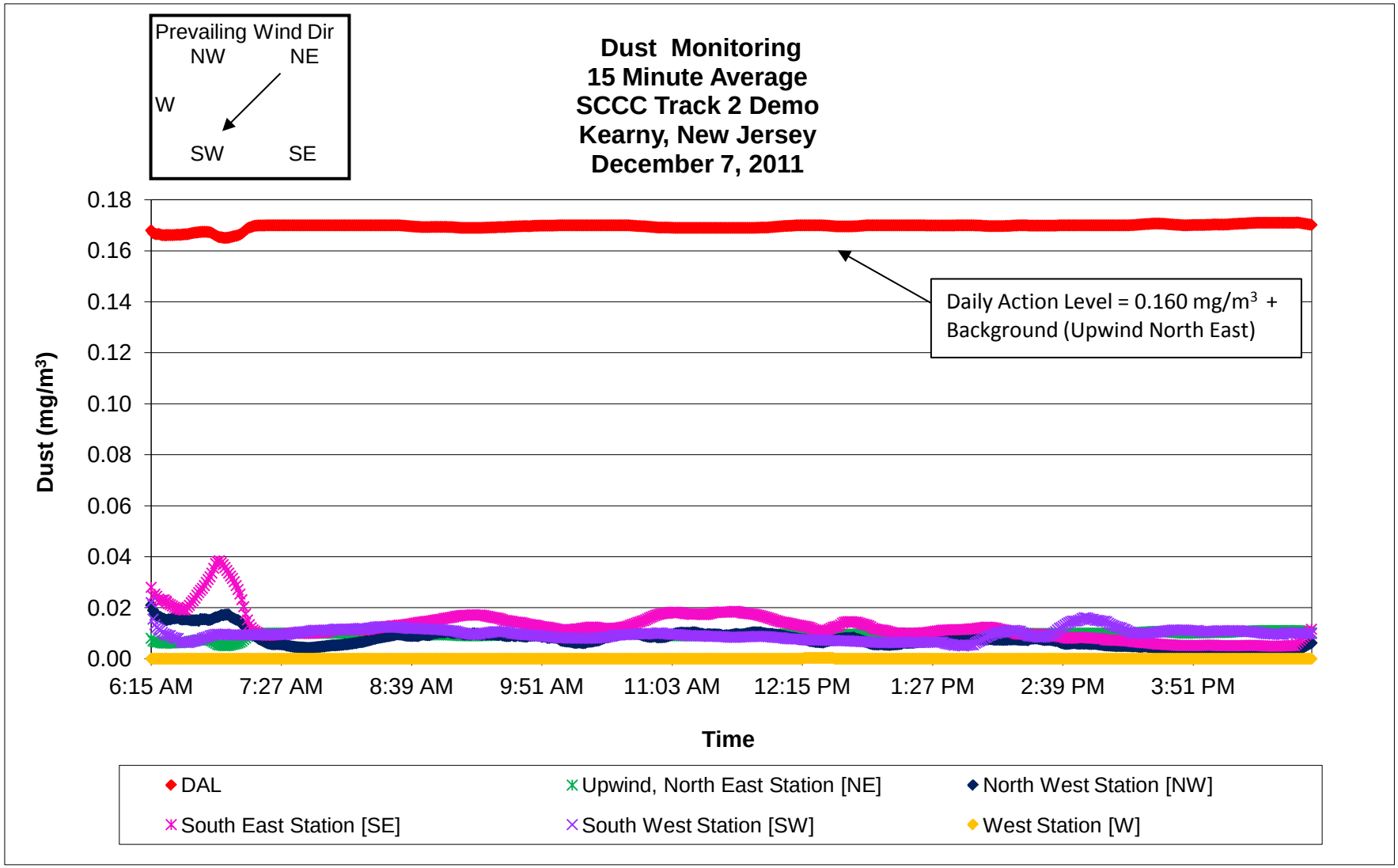

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 3, 2011
Daily Action Level = 0.928 ppm + Background (Upwind, North East)
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
6:26 AM
7:38 AM
8:50 AM
10:02 AM
11:14 AM
12:26 PM
1:38 PM
2:50 PM
4:02 PM
Time
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

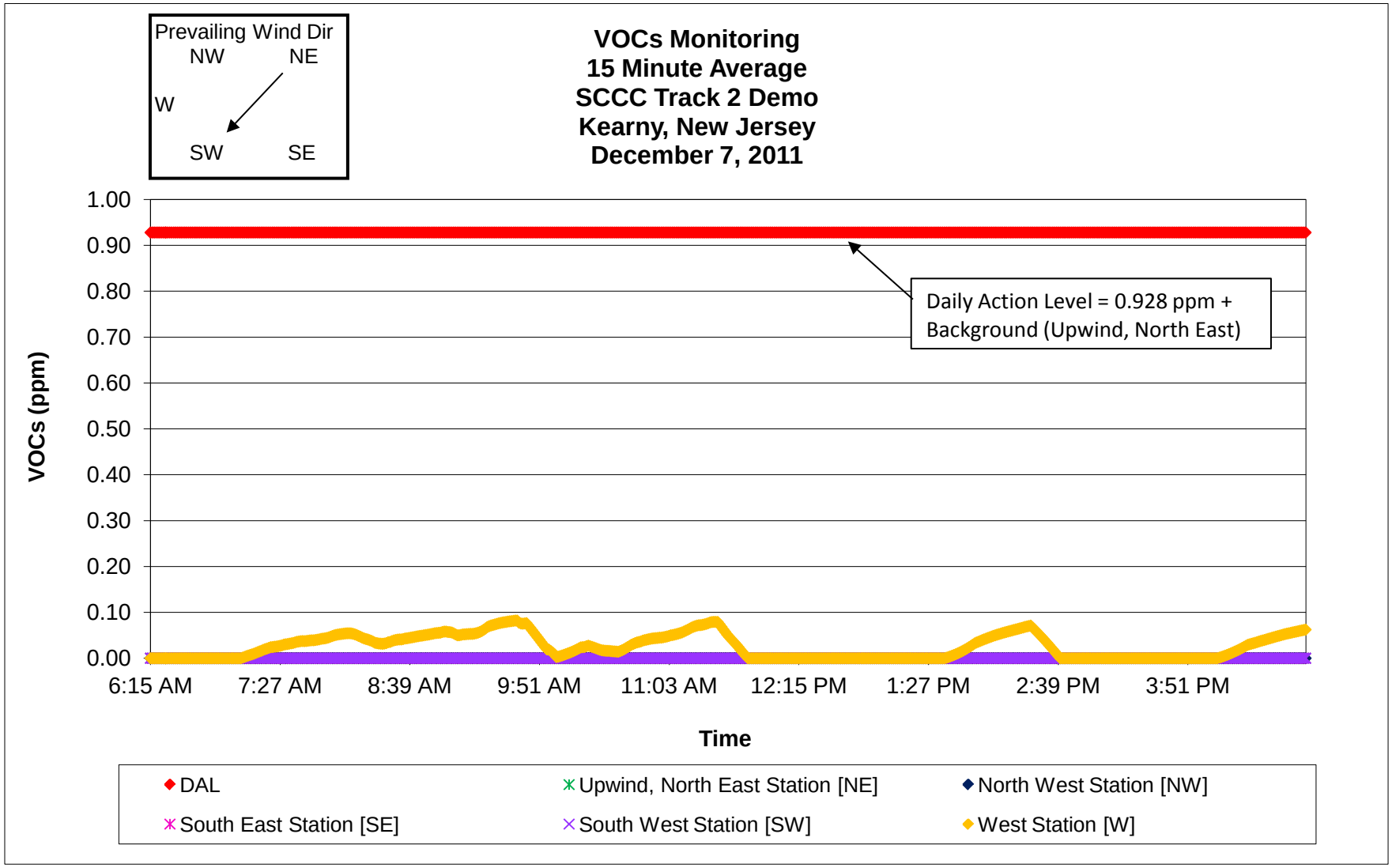

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 5, 2011
Dust (mg/m³)
0.25
0.20
0.15
0.10
0.05
0.00
6:23 AM
7:35 AM
8:47 AM
9:59 AM
11:11 AM
12:23 PM
1:35 PM
2:47 PM
3:59 PM
Time
Daily Action Level = 0.160 mg/m³ + Background (Upwind South East)
DAL
North East Station [NE]
North West Station [NW]
Upwind, South East Station [SE]
South West Station [SW]
West Station [W]

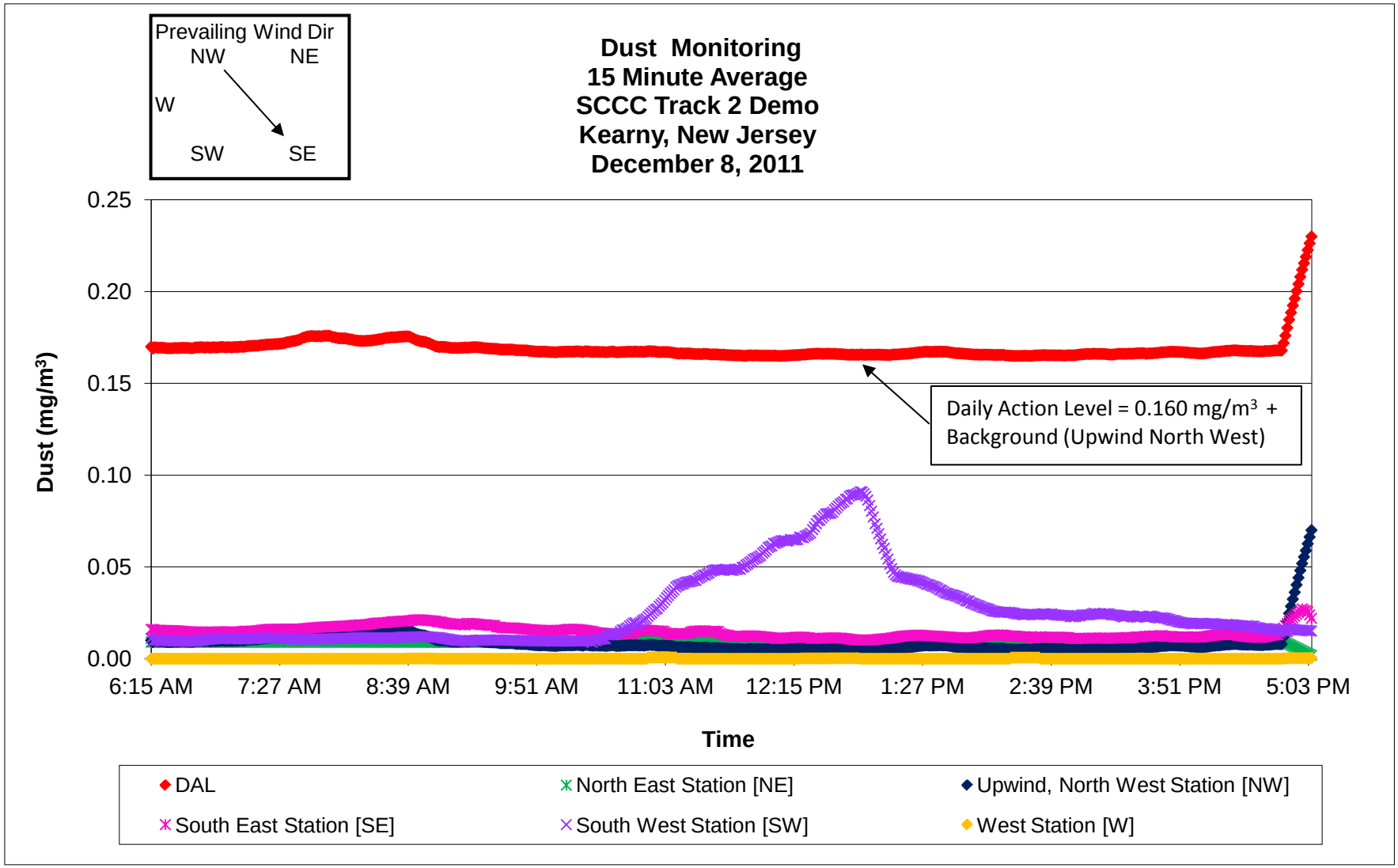

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 5, 2011
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Daily Action Level = 0.928 ppm + Background (Upwind, South East)
6:24 AM
7:36 AM
8:48 AM
10:00 AM
11:12 AM
12:24 PM
1:36 PM
2:48 PM
4:00 PM
Time
DAL
North East Station [NE]
North West Station [NW]
Upwind, South East Station [SE]
South West Station [SW]
West Station [W]

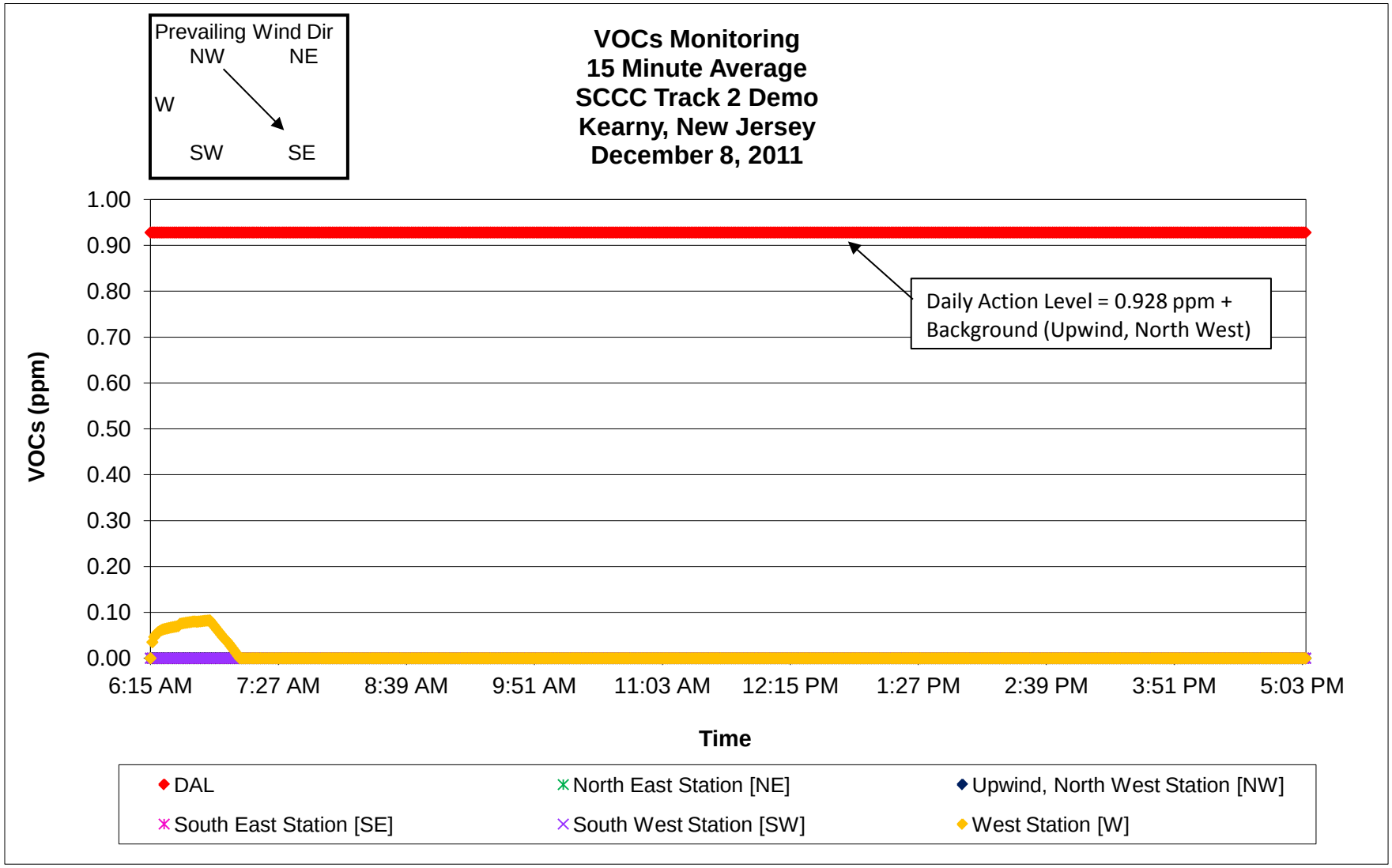

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 6, 2011
Daily Action Level = 0.160 mg/m³ + Background (Upwind South West)
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:23 AM
7:35 AM
8:47 AM
9:59 AM
11:11 AM
12:23 PM
1:35 PM
2:47 PM
3:59 PM
5:11 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
Upwind, South West Station [SW]
West Station [W]

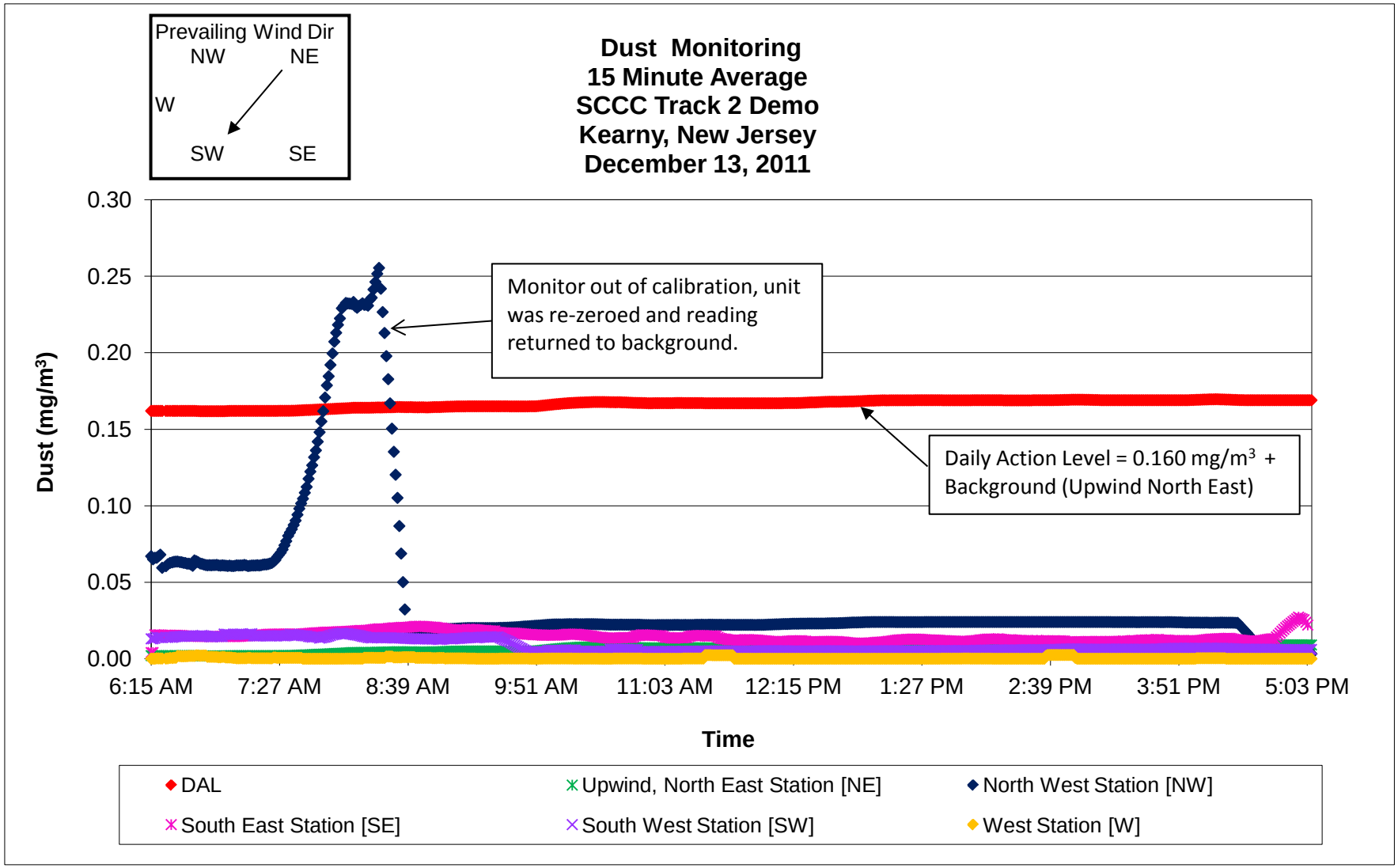

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 6, 2011
Daily Action Level = 0.928 ppm + Background (Upwind, South West)
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
6:23 AM
7:35 AM
8:47 AM
9:59 AM
11:11 AM
12:23 PM
1:35 PM
2:47 PM
3:59 PM
5:11 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
Upwind, South West Station [SW]
West Station [W]

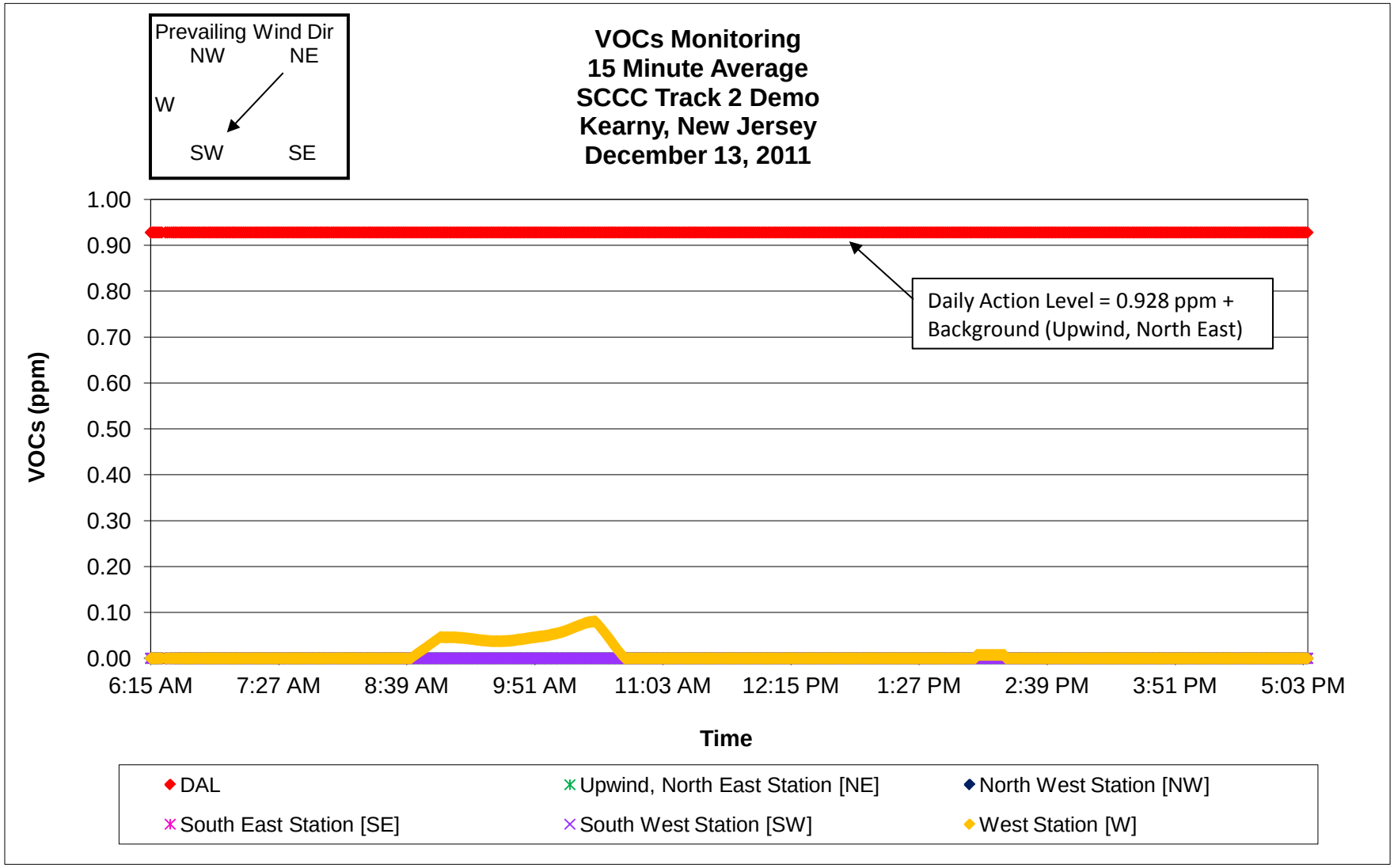

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 7, 2011
Daily Action Level = 0.160 mg/m³ + Background (Upwind North East)
Dust (mg/m³)
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:15 AM
7:27 AM
8:39 AM
9:51 AM
11:03 AM
12:15 PM
1:27 PM
2:39 PM
3:51 PM
Time
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

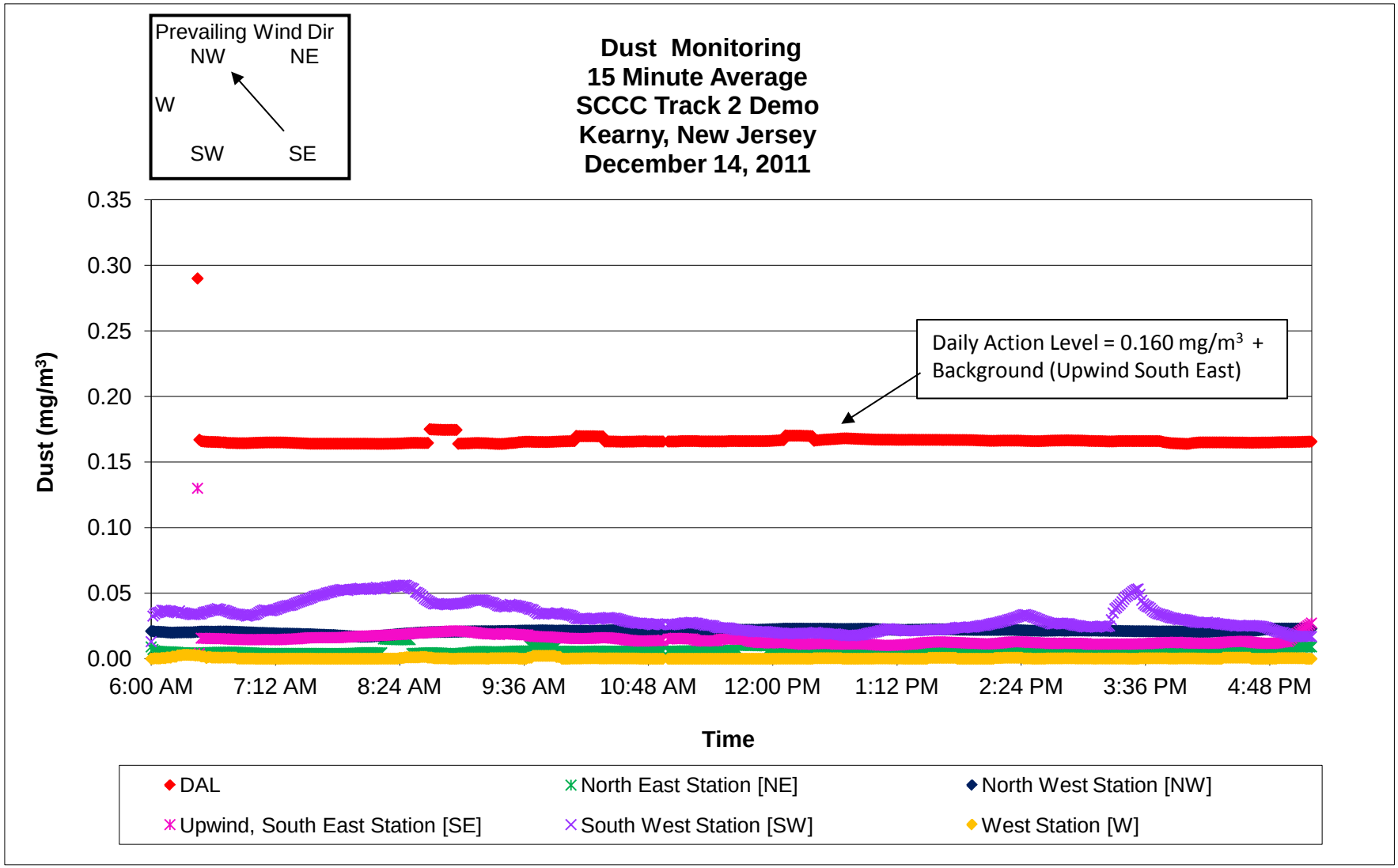

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 7, 2011
Daily Action Level = 0.928 ppm + Background (Upwind, North East)
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
6:15 AM
7:27 AM
8:39 AM
9:51 AM
11:03 AM
12:15 PM
1:27 PM
2:39 PM
3:51 PM
Time
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

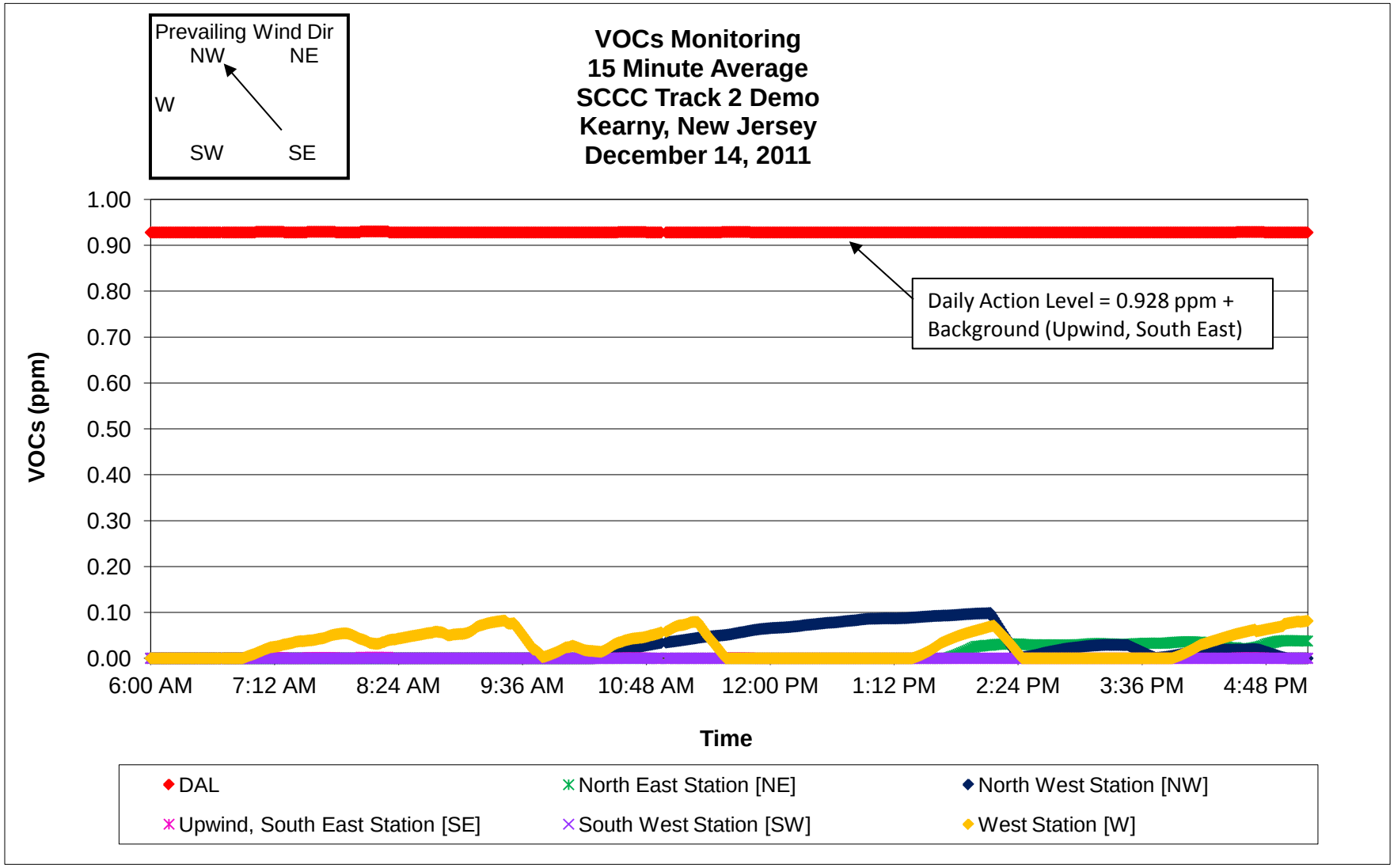

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 8, 2011
Dust (mg/m³)
0.25
0.20
0.15
0.10
0.05
0.00
6:15 AM
7:27 AM
8:39 AM
9:51 AM
11:03 AM
12:15 PM
1:27 PM
2:39 PM
3:51 PM
5:03 PM
Time
Daily Action Level = 0.160 mg/m³ + Background (Upwind North West)
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

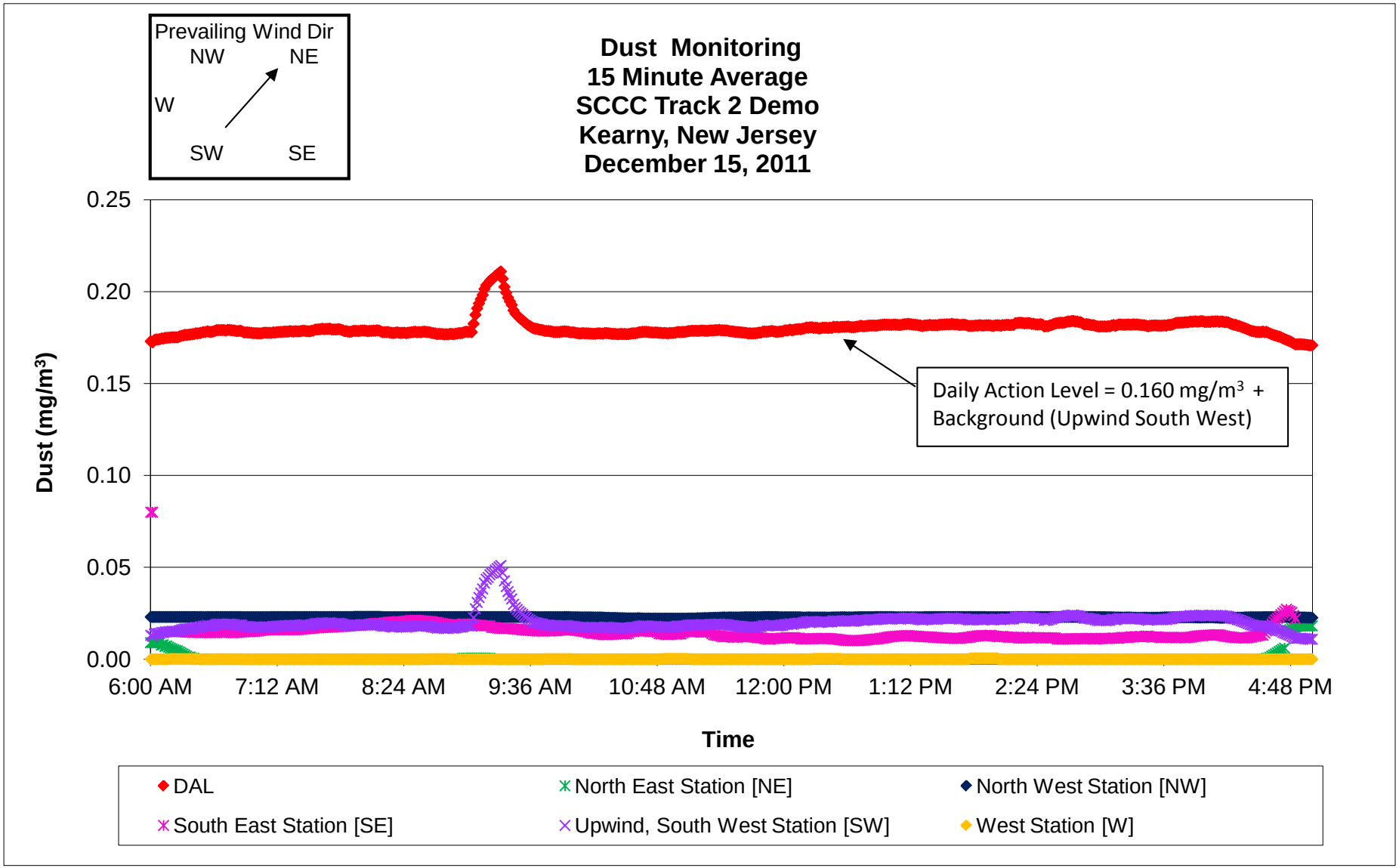

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 8, 2011
Daily Action Level = 0.928 ppm + Background (Upwind, North West)
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
6:15 AM
7:27 AM
8:39 AM
9:51 AM
11:03 AM
12:15 PM
1:27 PM
2:39 PM
3:51 PM
5:03 PM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

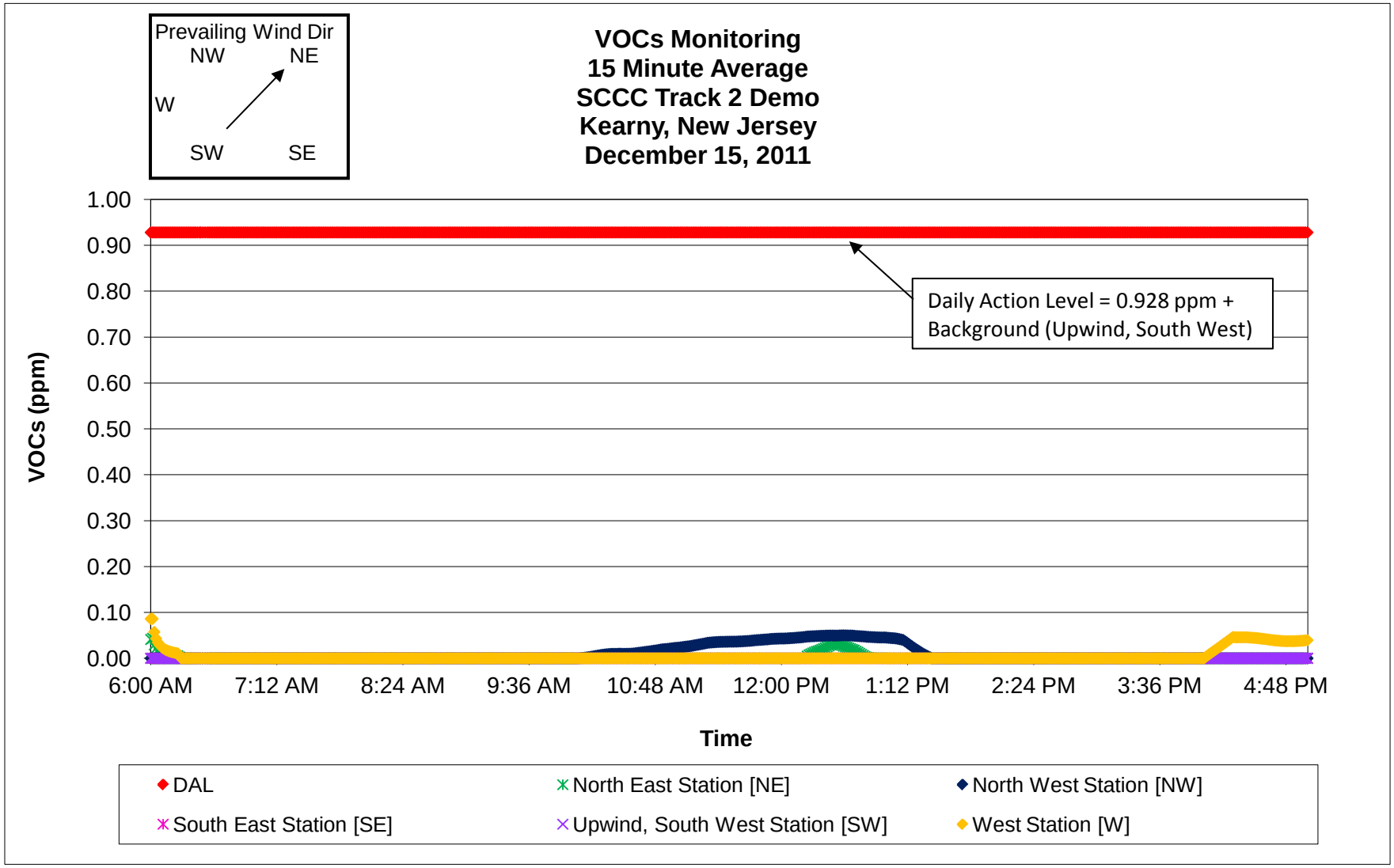

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 13, 2011
Monitor out of calibration, unit was re-zeroed and reading returned to background.
Daily Action Level = 0.160 mg/m³ + Background (Upwind North East)
Dust (mg/m³)
0.30
0.25
0.20
0.15
0.10
0.05
0.00
6:15 AM
7:27 AM
8:39 AM
9:51 AM
11:03 AM
12:15 PM
1:27 PM
2:39 PM
3:51 PM
5:03 PM
Time
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

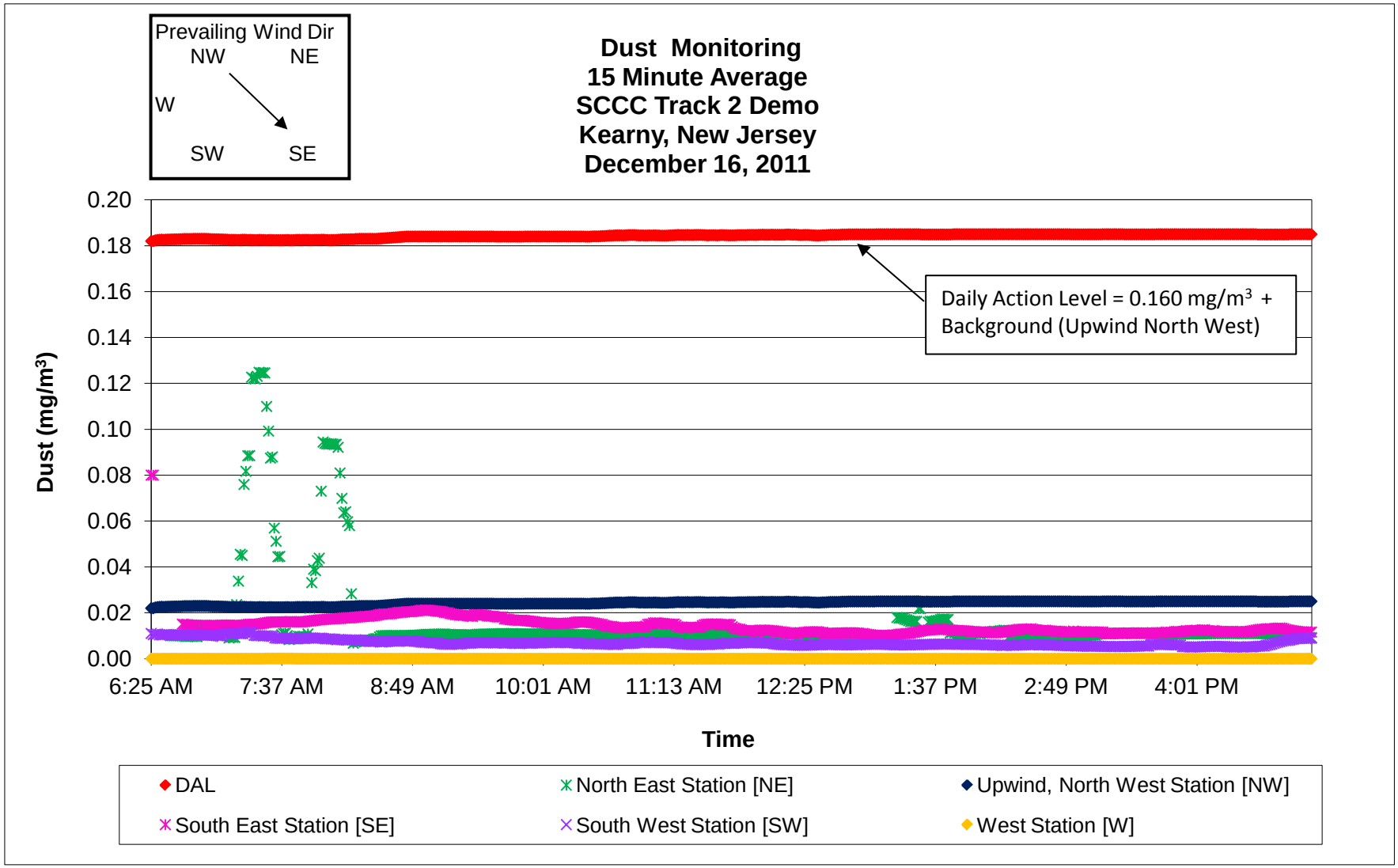

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 13, 2011
Daily Action Level = 0.928 ppm + Background (Upwind, North East)
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
6:15 AM
7:27 AM
8:39 AM
9:51 AM
11:03 AM
12:15 PM
1:27 PM
2:39 PM
3:51 PM
5:03 PM
Time
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

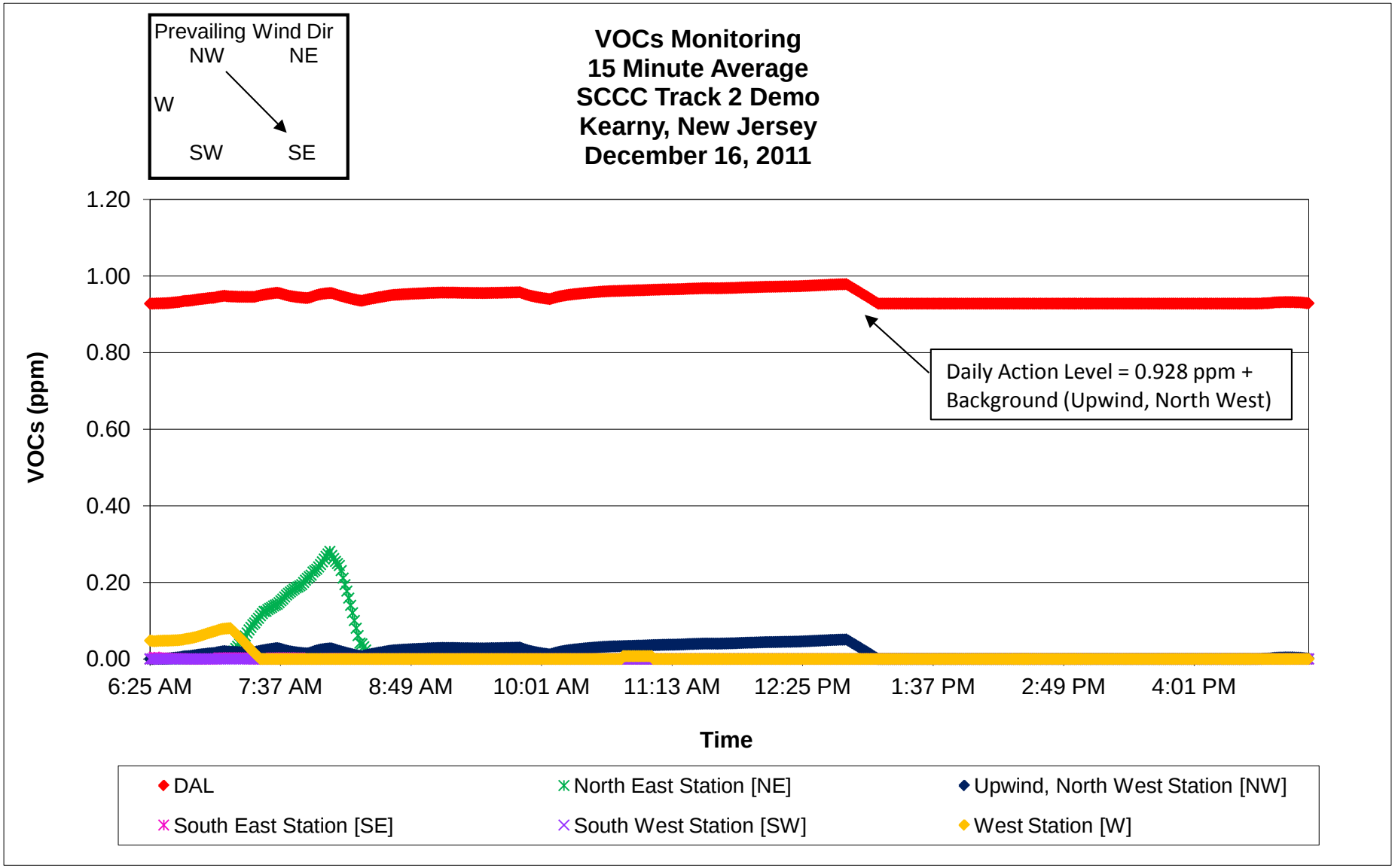

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 14, 2011
Daily Action Level = 0.160 mg/m3 + Background (Upwind South East)
Dust (mg/m3)
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
6:00 AM
7:12 AM
8:24 AM
9:36 AM
10:48 AM
12:00 PM
1:12 PM
2:24 PM
3:36 PM
4:48 PM
Time
DAL
North East Station [NE]
North West Station [NW]
Upwind, South East Station [SE]
South West Station [SW]
West Station [W]

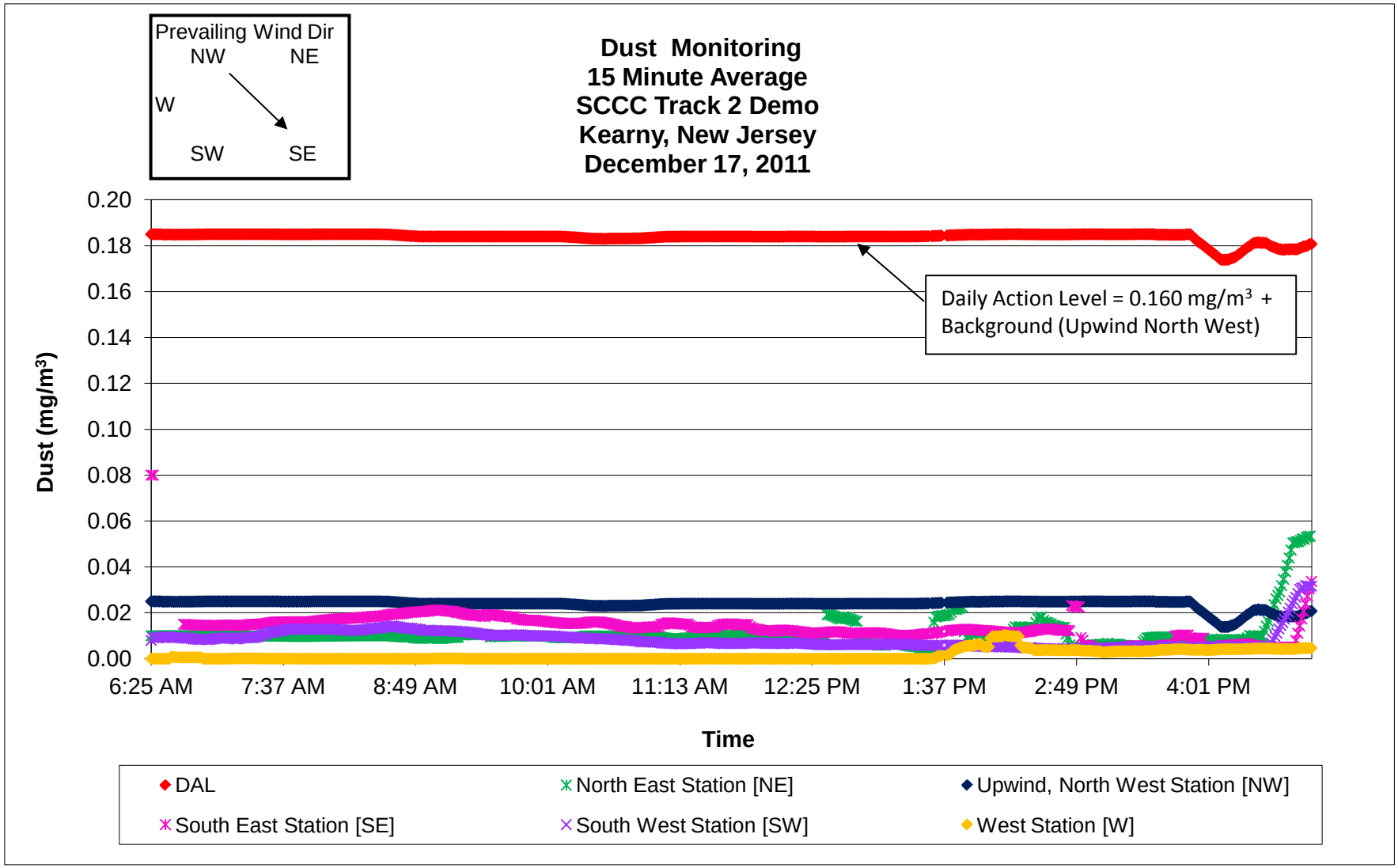

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 14, 2011
Daily Action Level = 0.928 ppm + Background (Upwind, South East)
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
6:00 AM
7:12 AM
8:24 AM
9:36 AM
10:48 AM
12:00 PM
1:12 PM
2:24 PM
3:36 PM
4:48 PM
Time
DAL
North East Station [NE]
North West Station [NW]
Upwind, South East Station [SE]
South West Station [SW]
West Station [W]

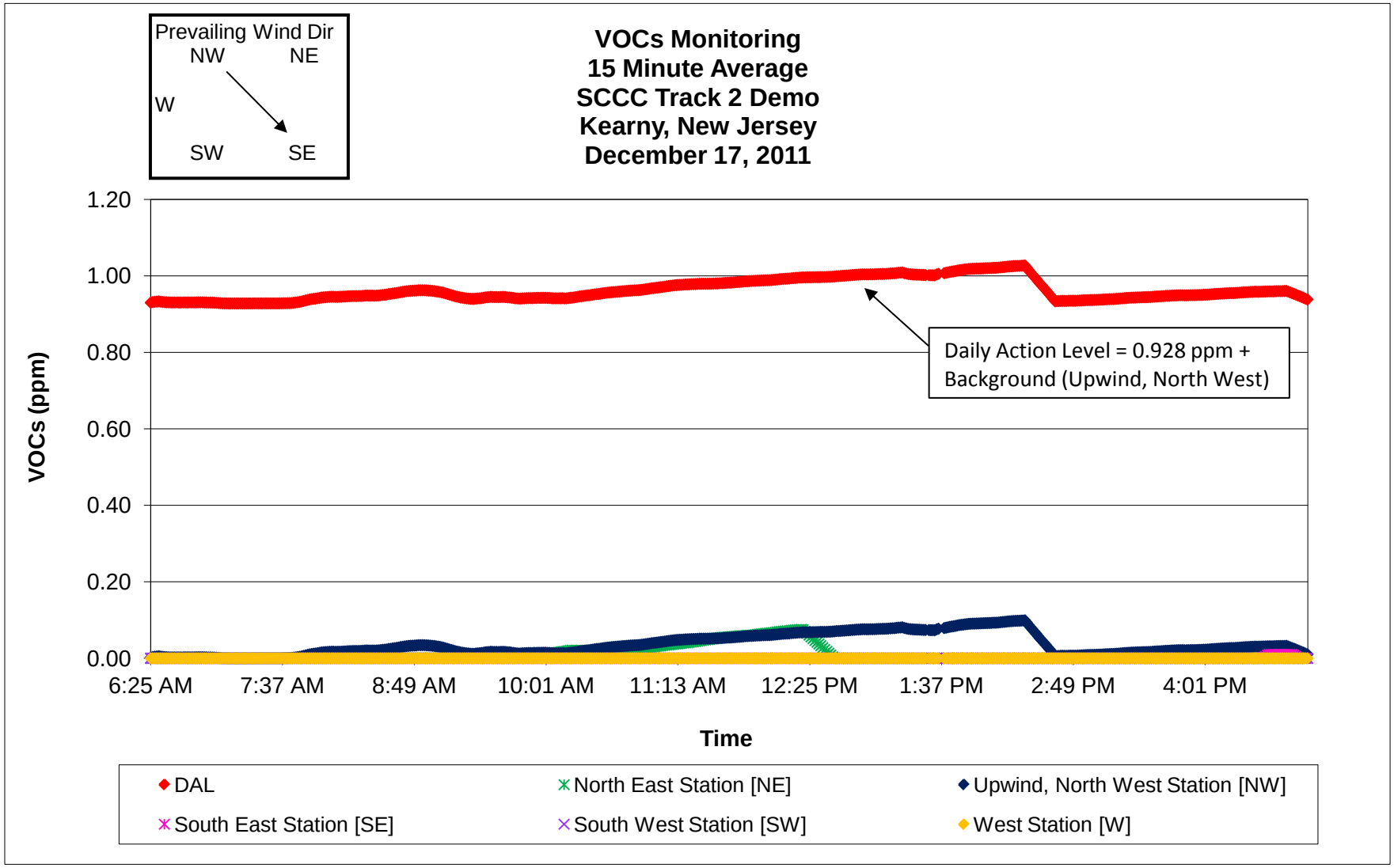

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 15, 2011
Dust (mg/m³)
0.25
0.20
0.15
0.10
0.05
0.00
6:00 AM
7:12 AM
8:24 AM
9:36 AM
10:48 AM
12:00 PM
1:12 PM
2:24 PM
3:36 PM
4:48 PM
Time
Daily Action Level = 0.160 mg/m³ + Background (Upwind South West)
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
Upwind, South West Station [SW]
West Station [W]

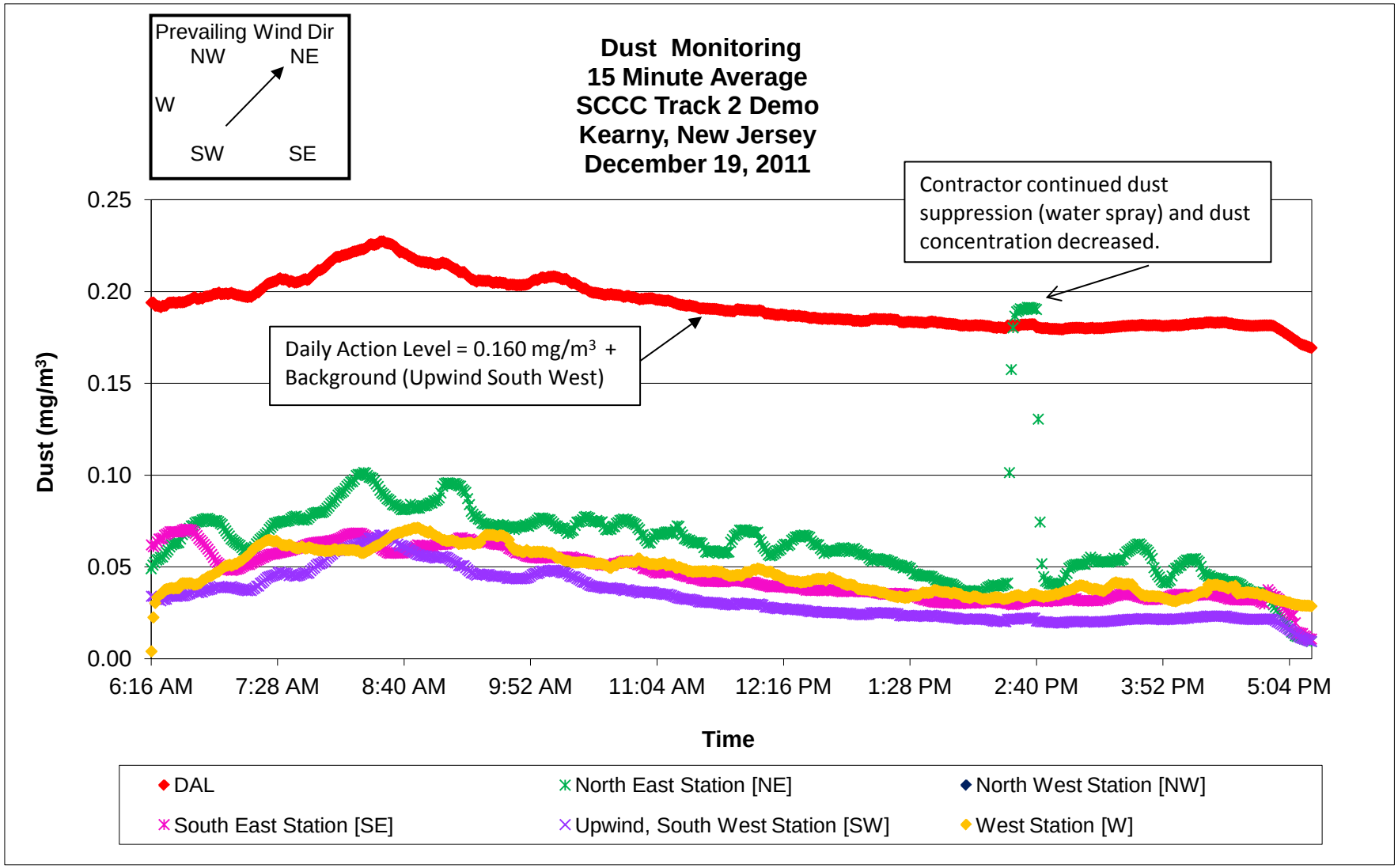

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 15, 2011
Daily Action Level = 0.928 ppm + Background (Upwind, South West)
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
6:00 AM
7:12 AM
8:24 AM
9:36 AM
10:48 AM
12:00 PM
1:12 PM
2:24 PM
3:36 PM
4:48 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
Upwind, South West Station [SW]
West Station [W]

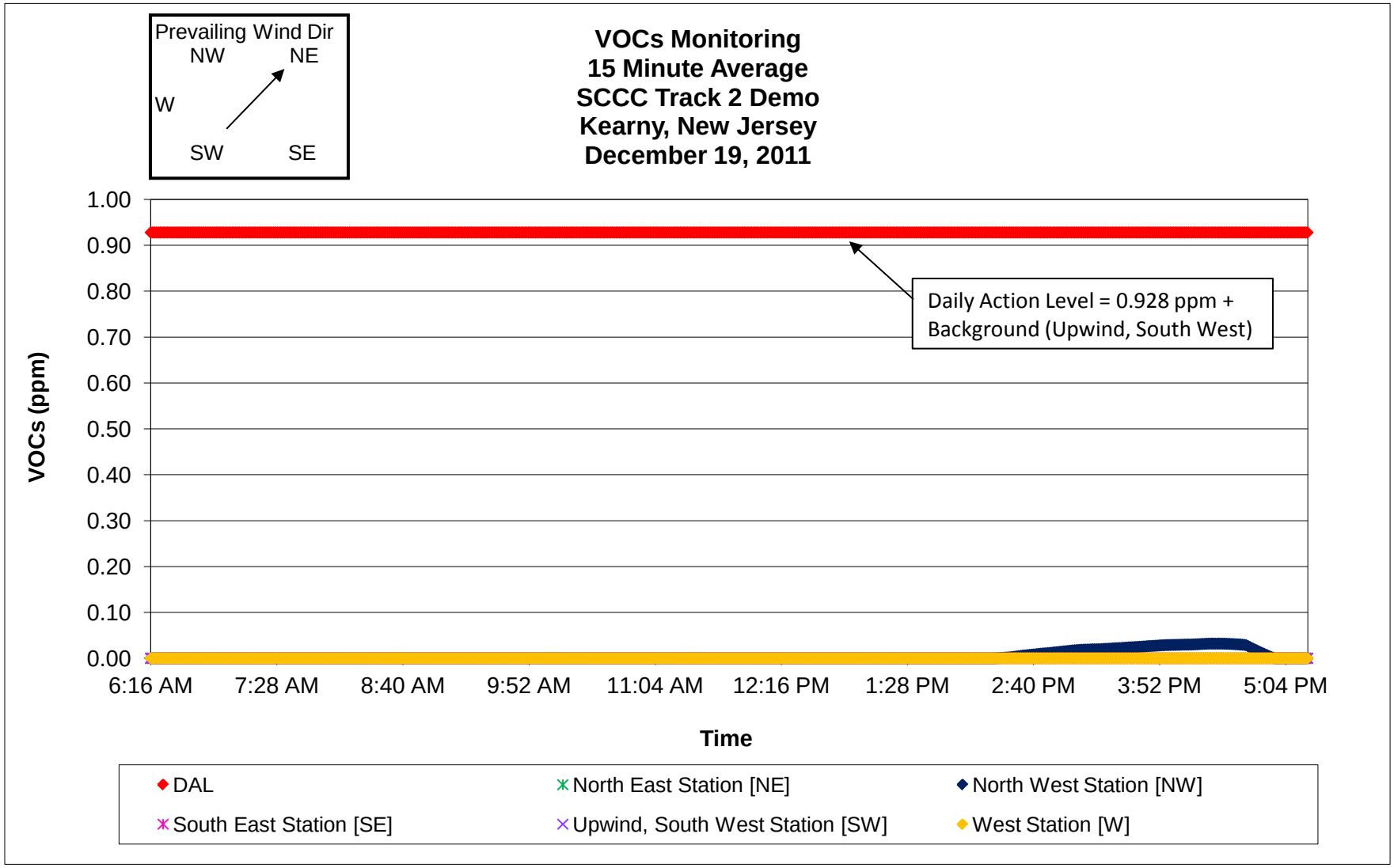

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 16, 2011
Daily Action Level = 0.160 mg/m³ + Background (Upwind North West)
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:25 AM
7:37 AM
8:49 AM
10:01 AM
11:13 AM
12:25 PM
1:37 PM
2:49 PM
4:01 PM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

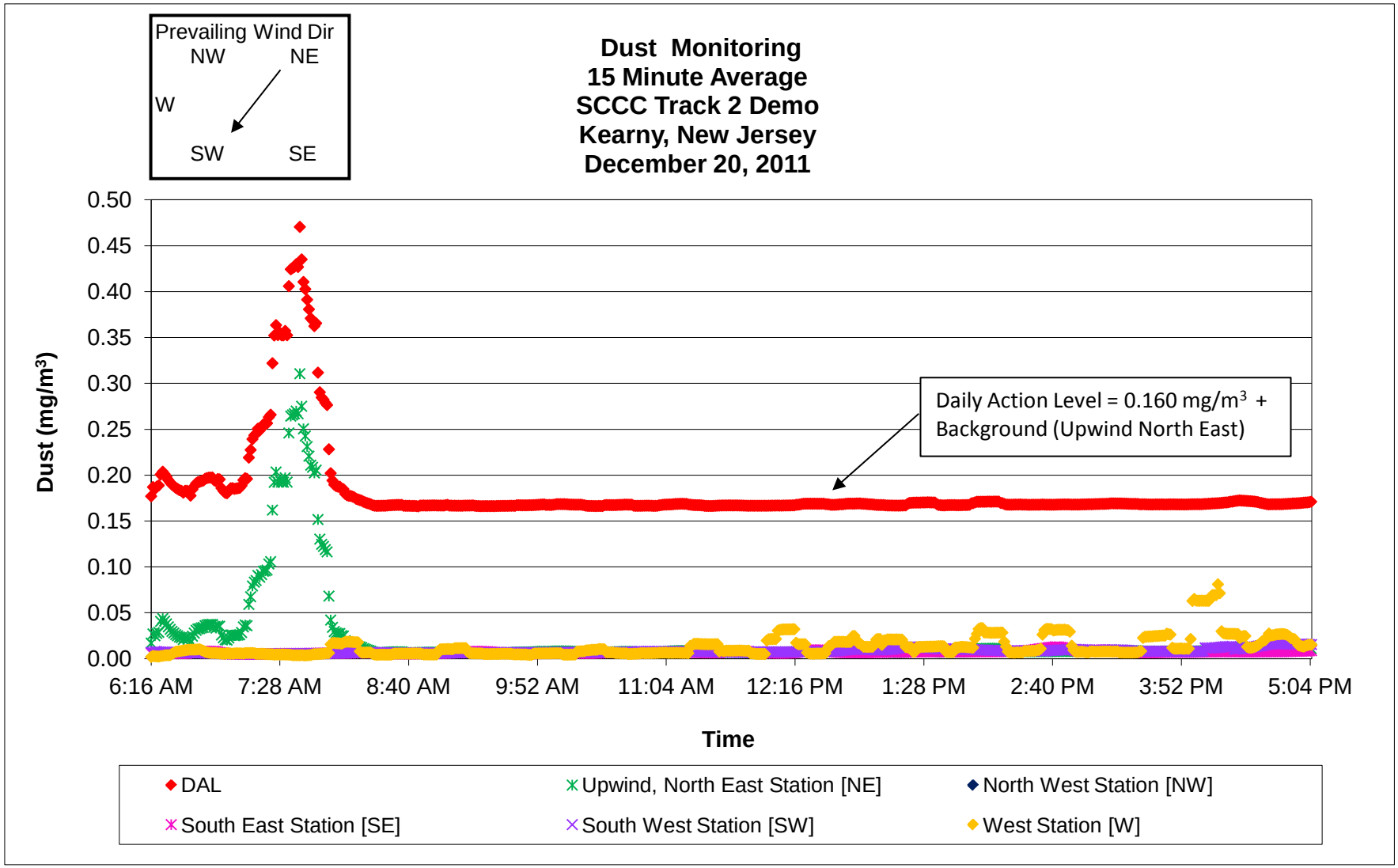

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 16, 2011
1.20
1.00
0.80
0.60
0.40
0.20
0.00
VOCs (ppm)
Daily Action Level = 0.928 ppm +
Background (Upwind, North West)
6:25 AM
7:37 AM
8:49 AM
10:01 AM
11:13 AM
12:25 PM
1:37 PM
2:49 PM
4:01 PM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

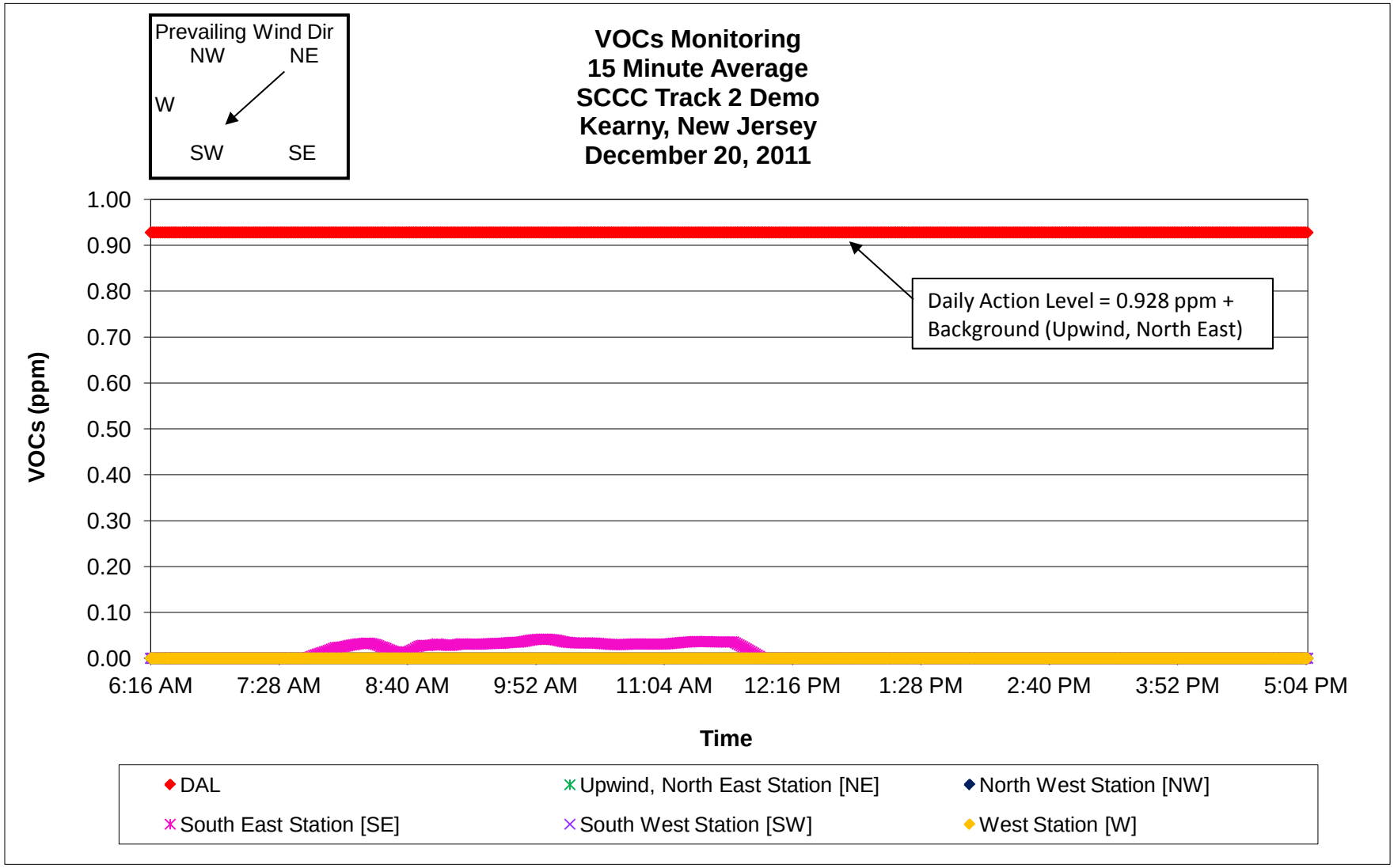

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 17, 2011
Daily Action Level = 0.160 mg/m³ + Background (Upwind North West)
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:25 AM
7:37 AM
8:49 AM
10:01 AM
11:13 AM
12:25 PM
1:37 PM
2:49 PM
4:01 PM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

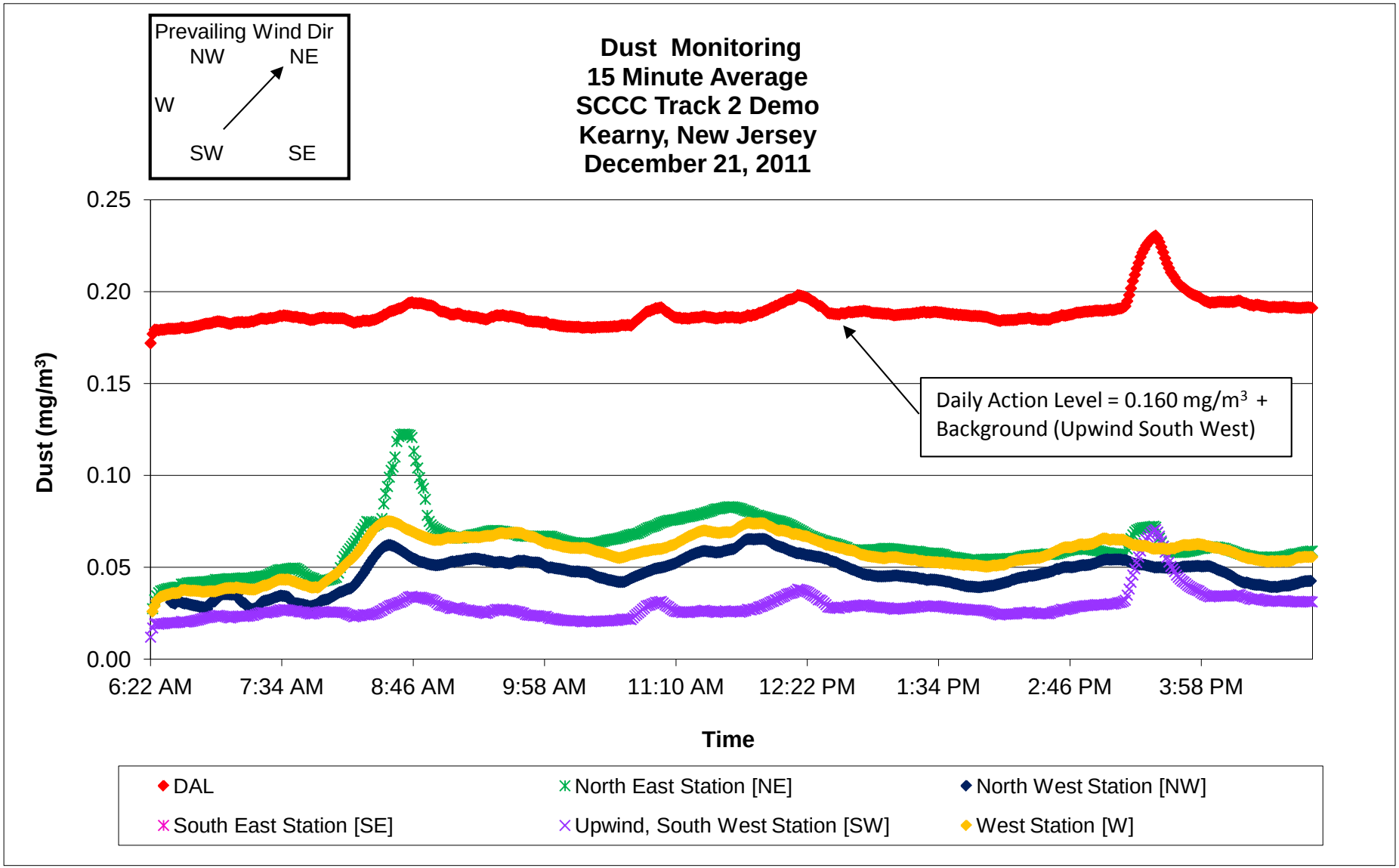

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 17, 2011
VOCs (ppm)
1.20
1.00
0.80
0.60
0.40
0.20
0.00
Daily Action Level = 0.928 ppm + Background (Upwind, North West)
6:25 AM
7:37 AM
8:49 AM
10:01 AM
11:13 AM
12:25 PM
1:37 PM
2:49 PM
4:01 PM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

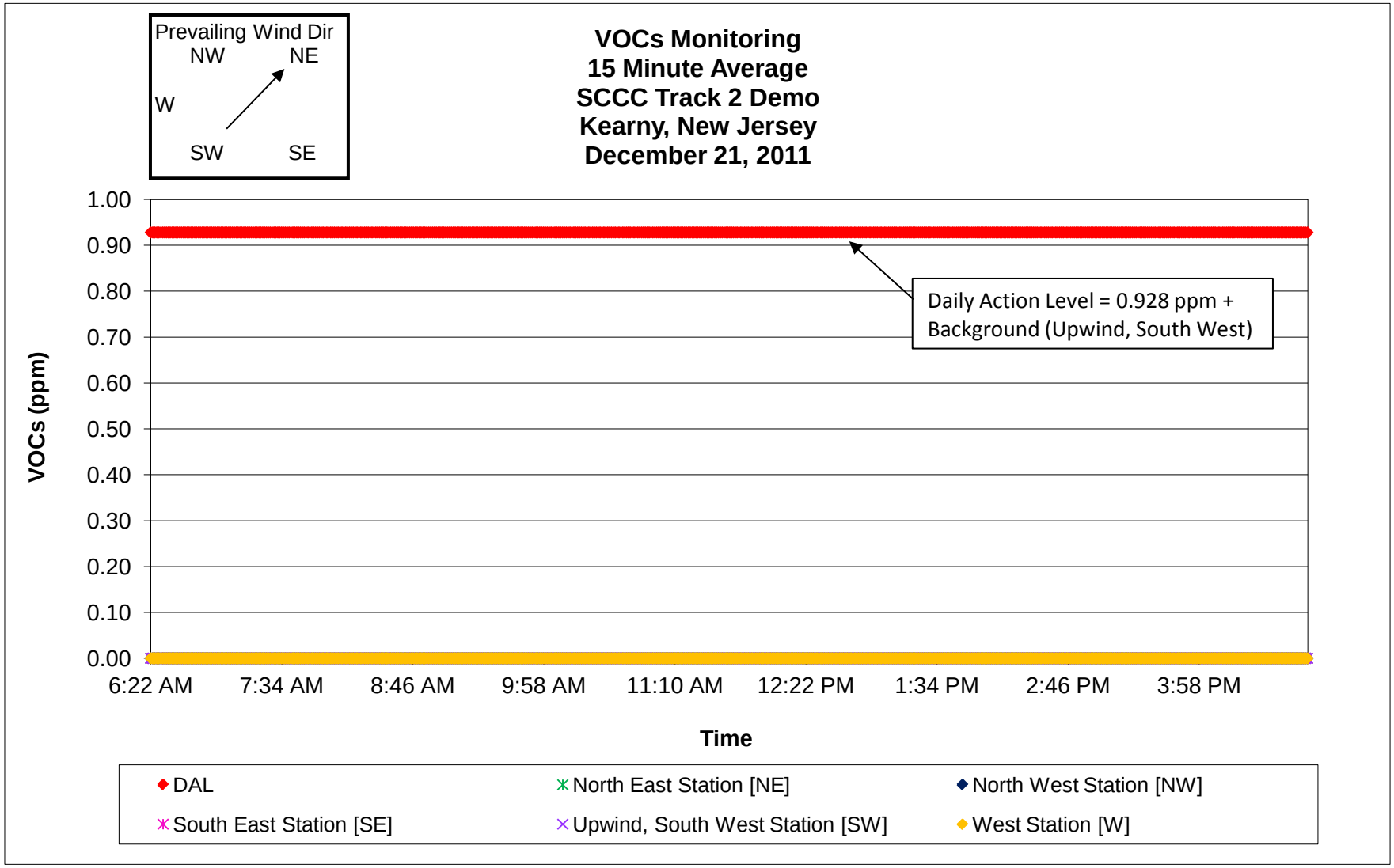

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 19, 2011
Contractor continued dust suppression (water spray) and dust concentration decreased.
Daily Action Level = 0.160 mg/m³ + Background (Upwind South West)
Dust (mg/m³)
0.25
0.20
0.15
0.10
0.05
0.00
6:16 AM
7:28 AM
8:40 AM
9:52 AM
11:04 AM
12:16 PM
1:28 PM
2:40 PM
3:52 PM
5:04 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
Upwind, South West Station [SW]
West Station [W]

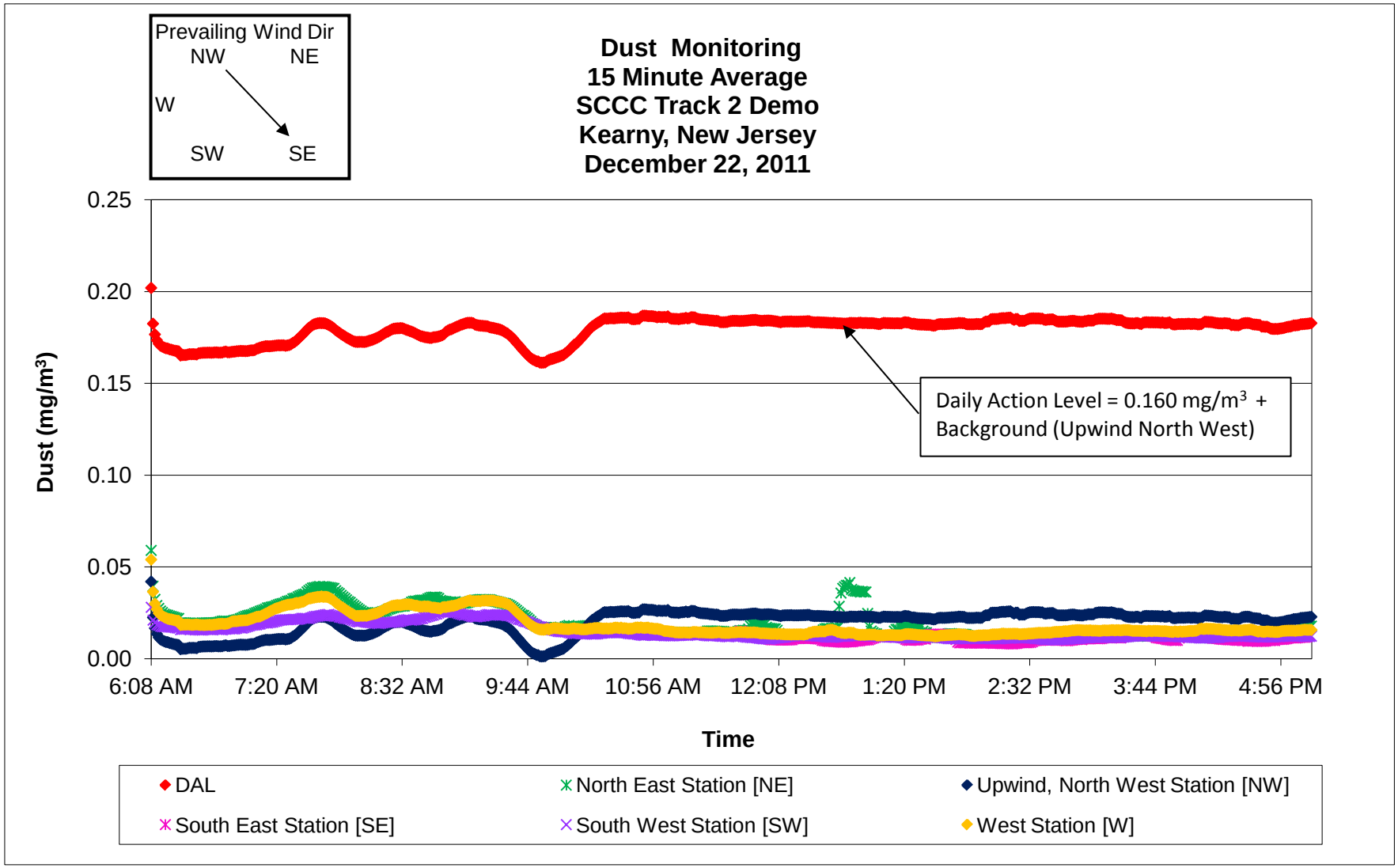

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 19, 2011
Daily Action Level = 0.928 ppm + Background (Upwind, South West)
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
6:16 AM
7:28 AM
8:40 AM
9:52 AM
11:04 AM
12:16 PM
1:28 PM
2:40 PM
3:52 PM
5:04 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
Upwind, South West Station [SW]
West Station [W]

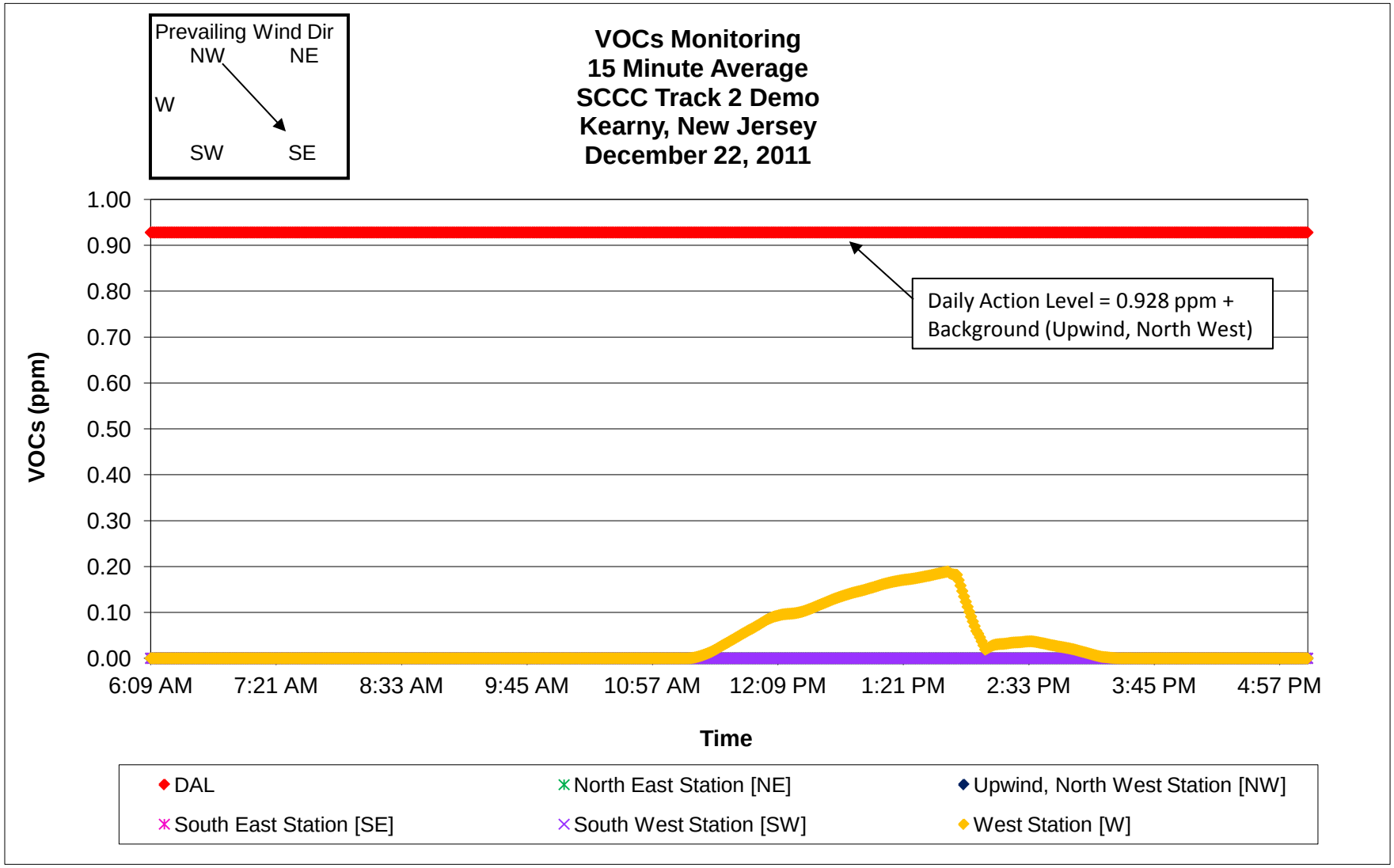

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 20, 2011
Dust (mg/m³)
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
Daily Action Level = 0.160 mg/m³ +
Background (Upwind North East)
6:16 AM
7:28 AM
8:40 AM
9:52 AM
11:04 AM
12:16 PM
1:28 PM
2:40 PM
3:52 PM
5:04 PM
Time
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

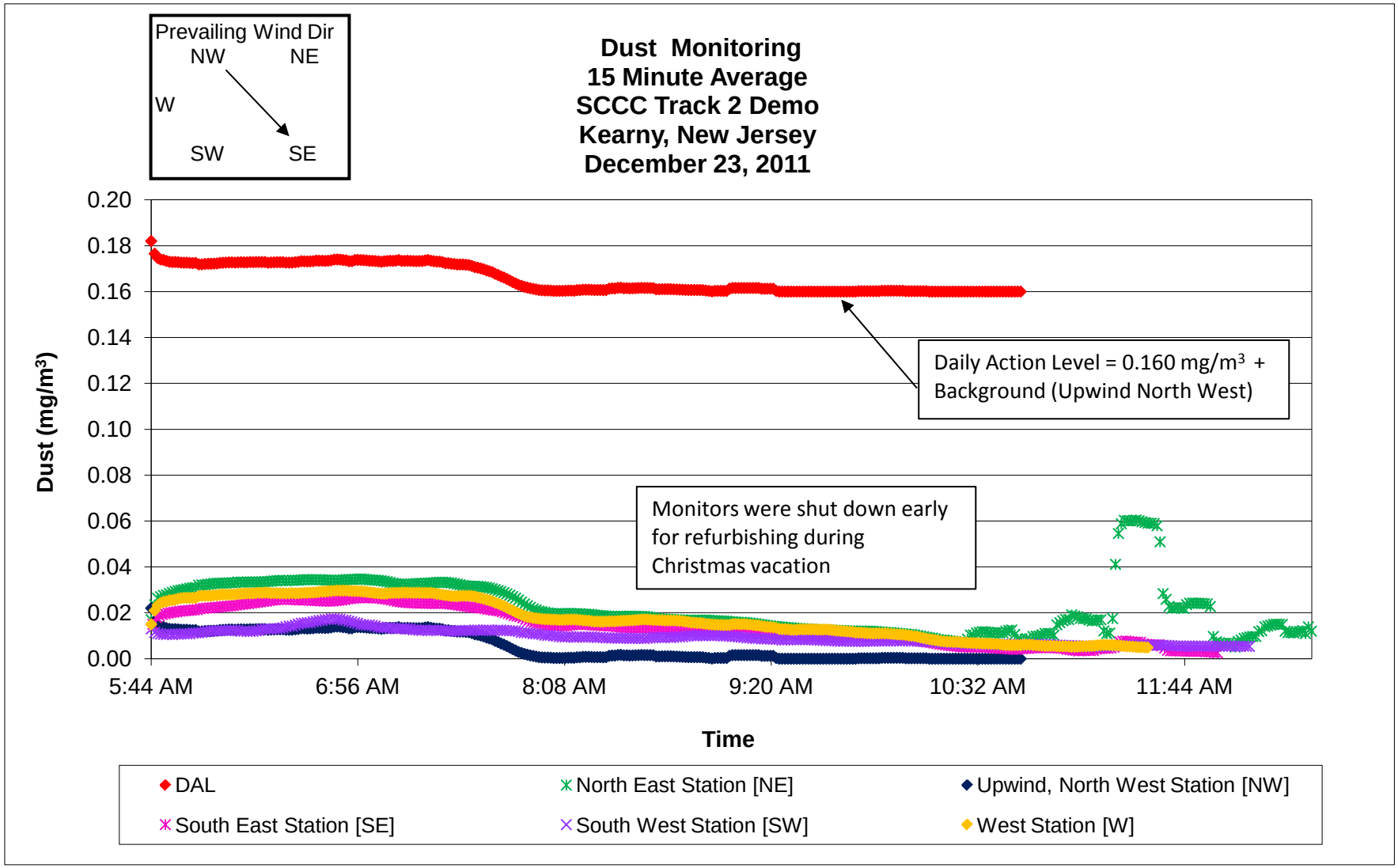

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 20, 2011
Daily Action Level = 0.928 ppm + Background (Upwind, North East)
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
6:16 AM
7:28 AM
8:40 AM
9:52 AM
11:04 AM
12:16 PM
1:28 PM
2:40 PM
3:52 PM
5:04 PM
Time
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

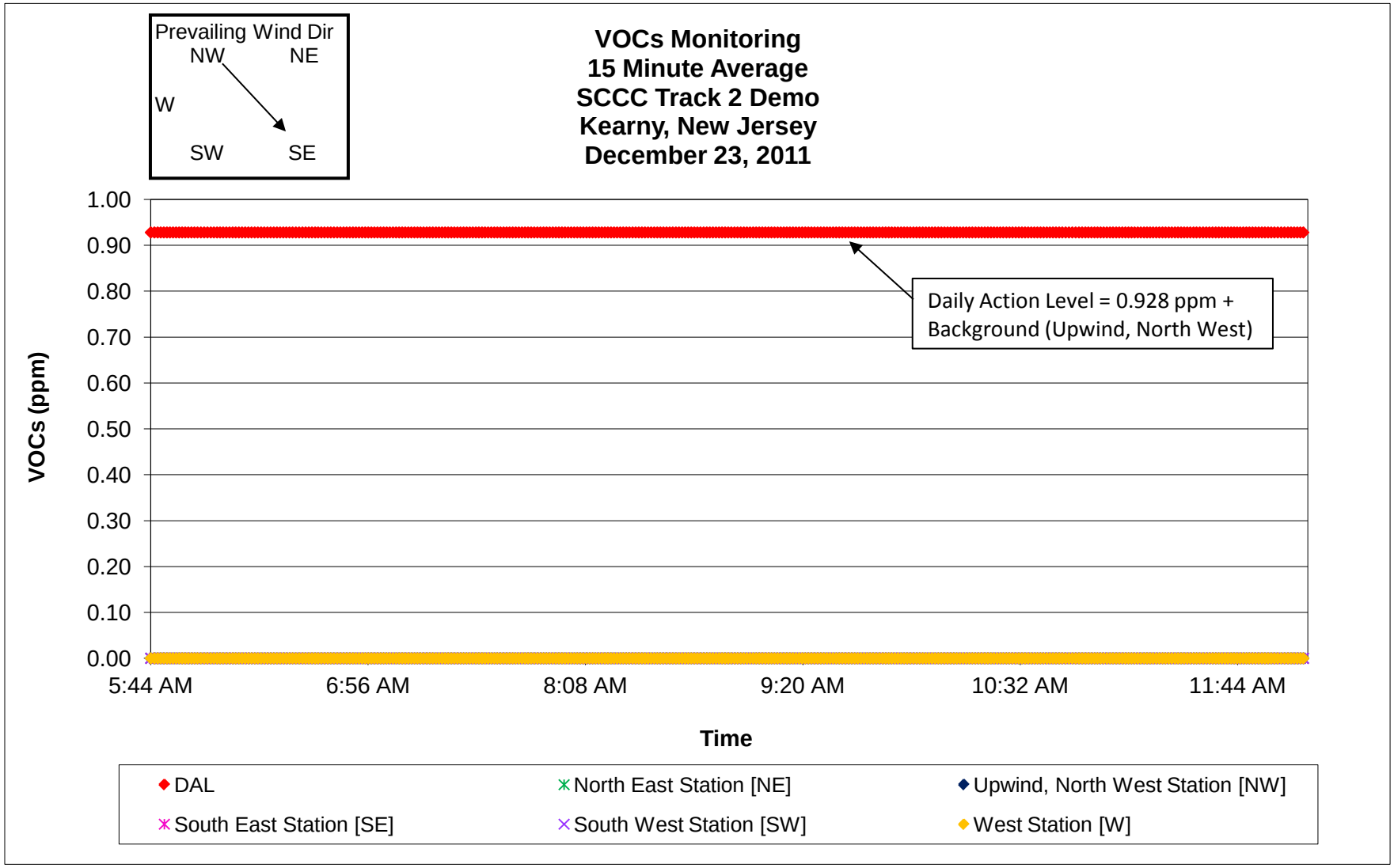

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 21, 2011
Dust (mg/m³)
0.25
0.20
0.15
0.10
0.05
0.00
6:22 AM
7:34 AM
8:46 AM
9:58 AM
11:10 AM
12:22 PM
1:34 PM
2:46 PM
3:58 PM
Time
Daily Action Level = 0.160 mg/m³ + Background (Upwind South West)
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
Upwind, South West Station [SW]
West Station [W]

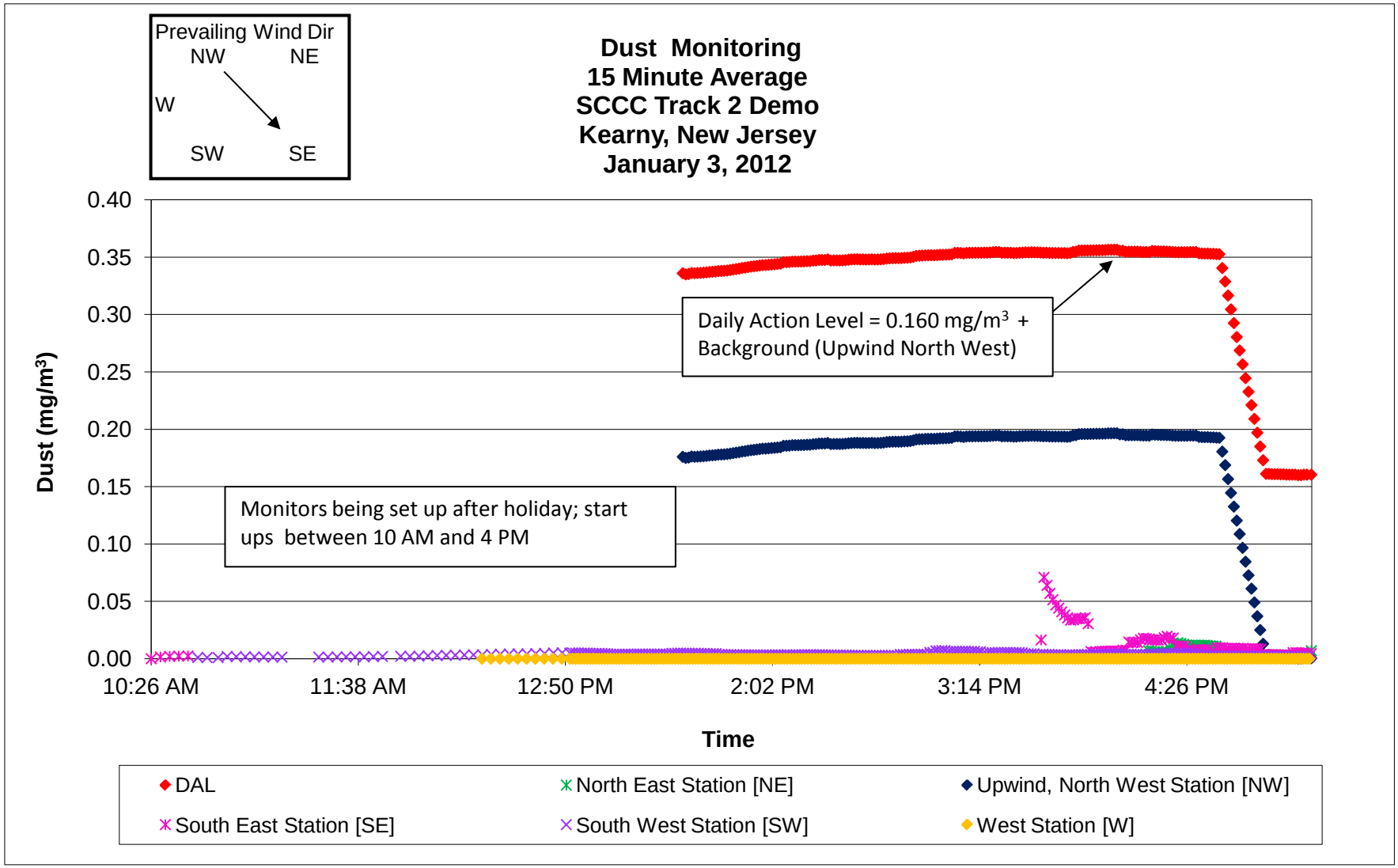

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 21, 2011
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Daily Action Level = 0.928 ppm +
Background (Upwind, South West)
6:22 AM
7:34 AM
8:46 AM
9:58 AM
11:10 AM
12:22 PM
1:34 PM
2:46 PM
3:58 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
Upwind, South West Station [SW]
West Station [W]

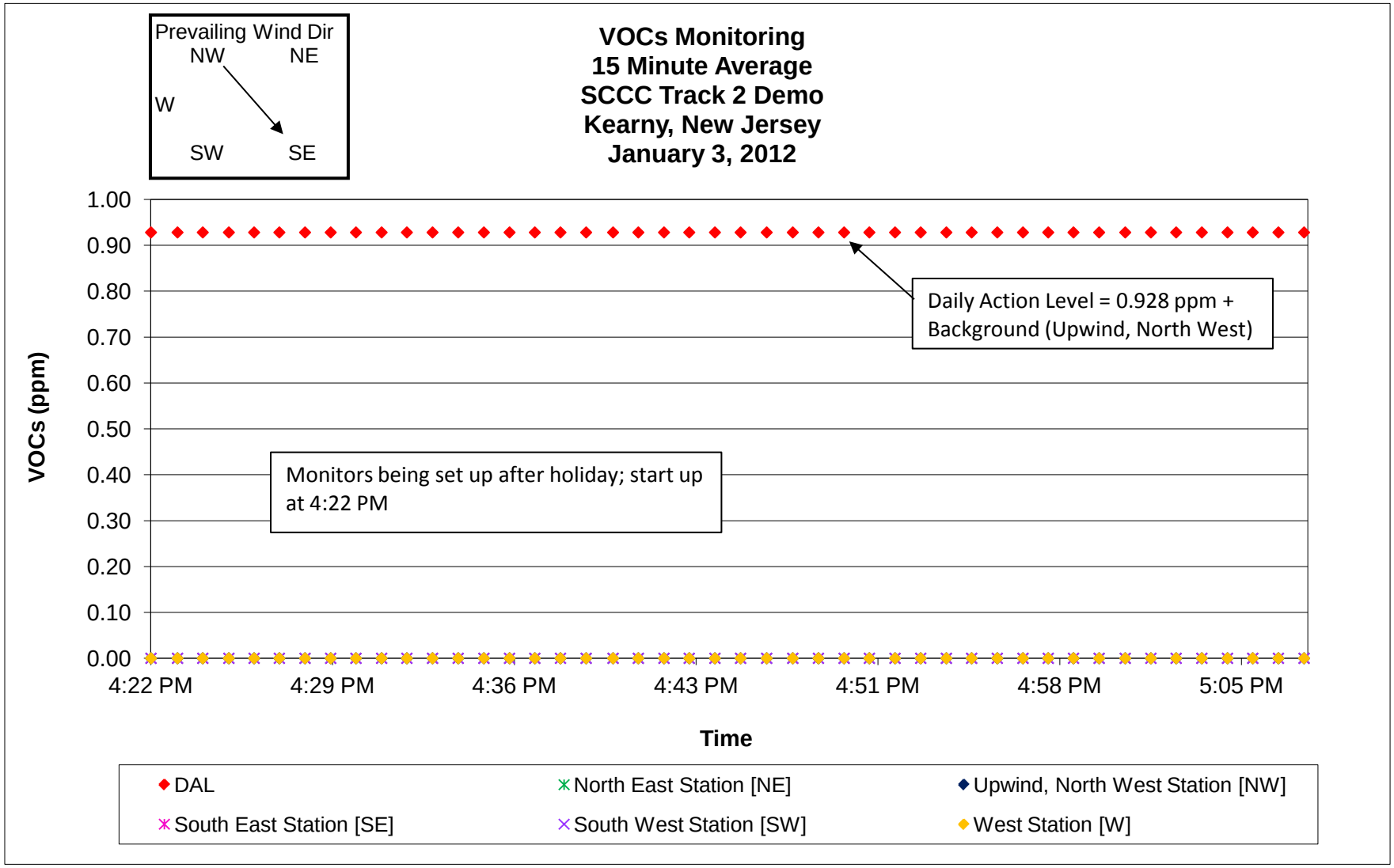

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 22, 2011
Dust (mg/m³)
0.25
0.20
0.15
0.10
0.05
0.00
6:08 AM
7:20 AM
8:32 AM
9:44 AM
10:56 AM
12:08 PM
1:20 PM
2:32 PM
3:44 PM
4:56 PM
Time
Daily Action Level = 0.160 mg/m³ + Background (Upwind North West)
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

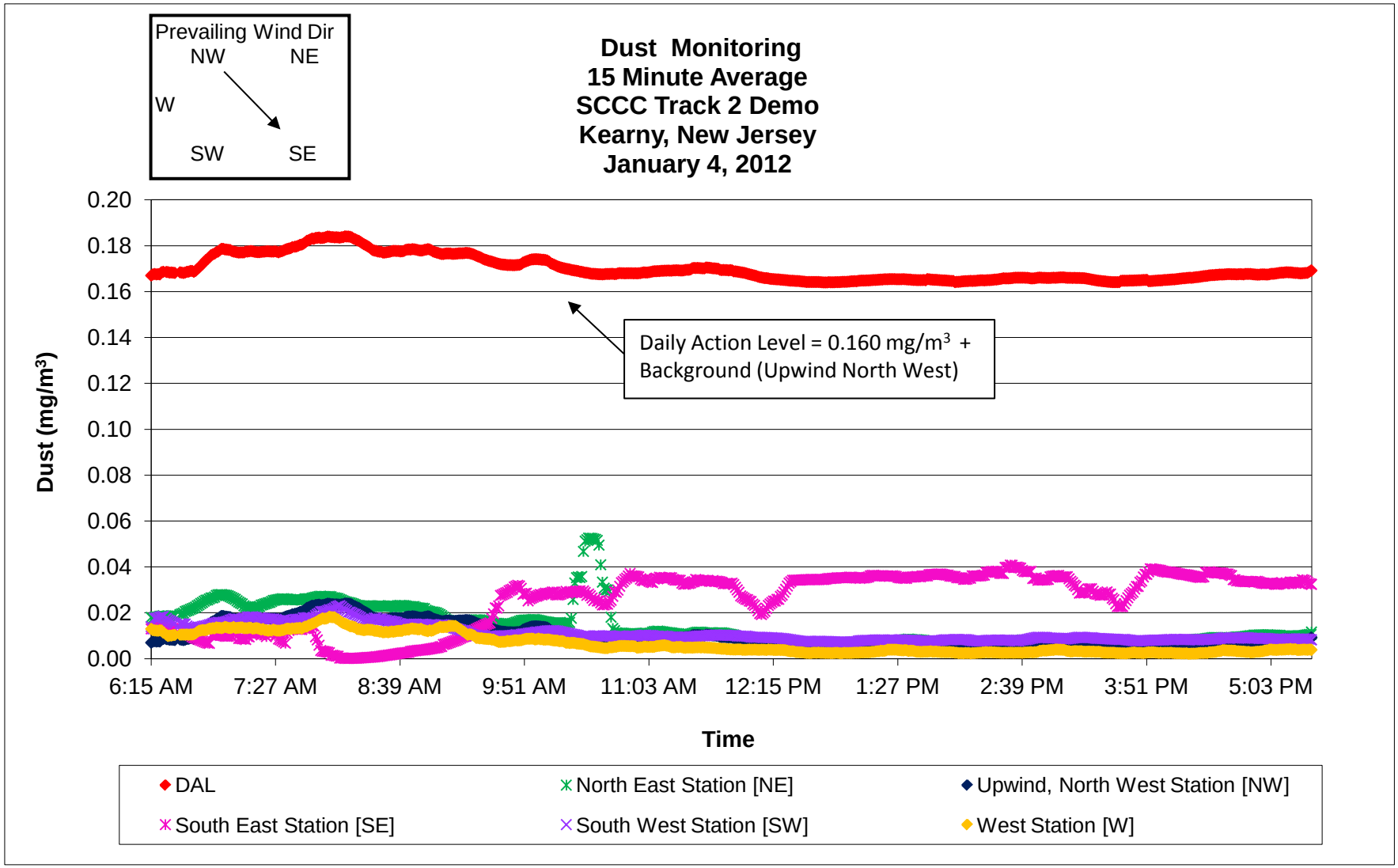

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 22, 2011
Daily Action Level = 0.928 ppm + Background (Upwind, North West)
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
6:09 AM
7:21 AM
8:33 AM
9:45 AM
10:57 AM
12:09 PM
1:21 PM
2:33 PM
3:45 PM
4:57 PM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

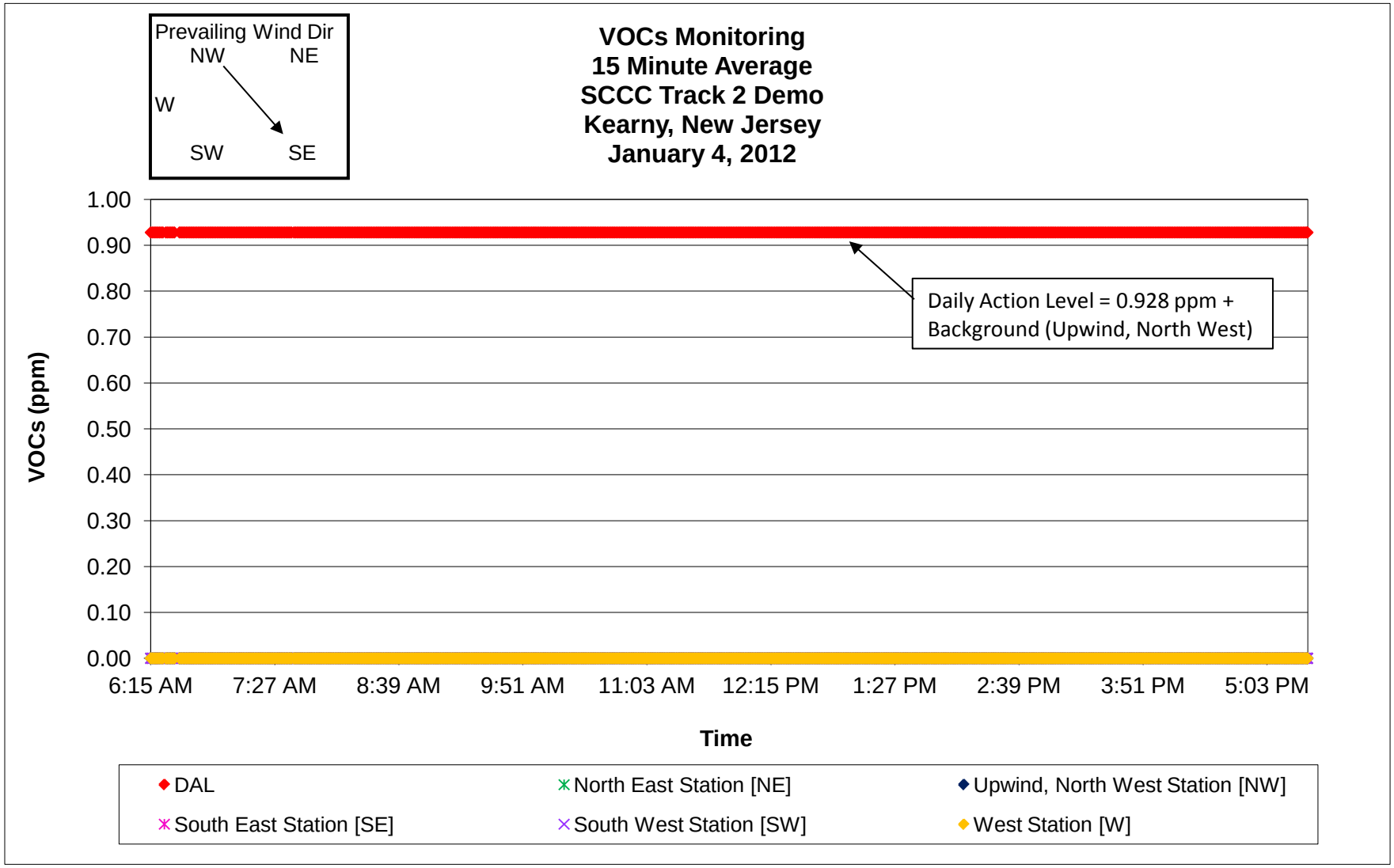

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 23, 2011
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
5:44 AM
6:56 AM
8:08 AM
9:20 AM
10:32 AM
11:44 AM
Time
Daily Action Level = 0.160 mg/m³ + Background (Upwind North West)
Monitors were shut down early for refurbishing during Christmas vacation
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

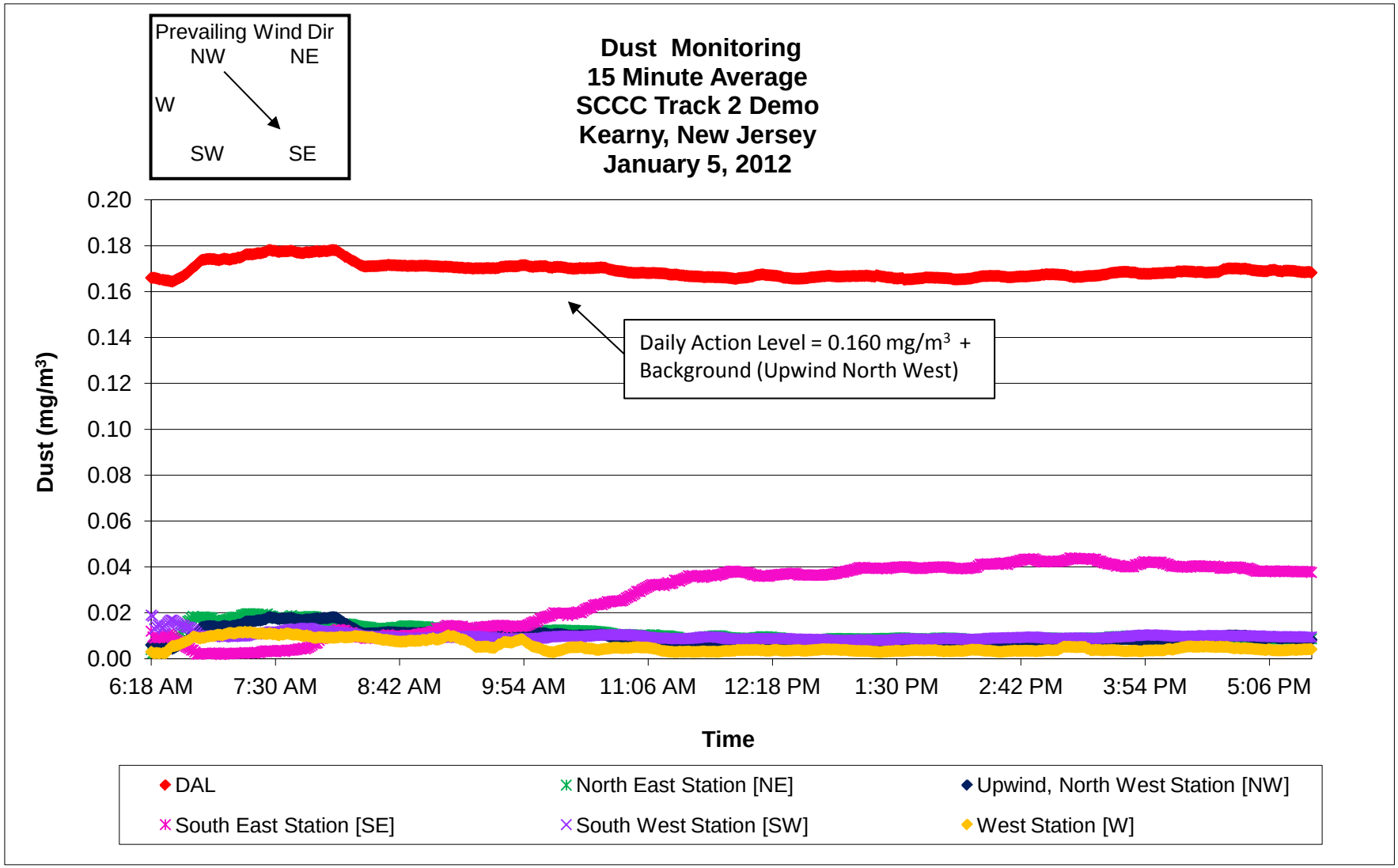

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
December 23, 2011
Daily Action Level = 0.928 ppm + Background (Upwind, North West)
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
5:44 AM
6:56 AM
8:08 AM
9:20 AM
10:32 AM
11:44 AM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

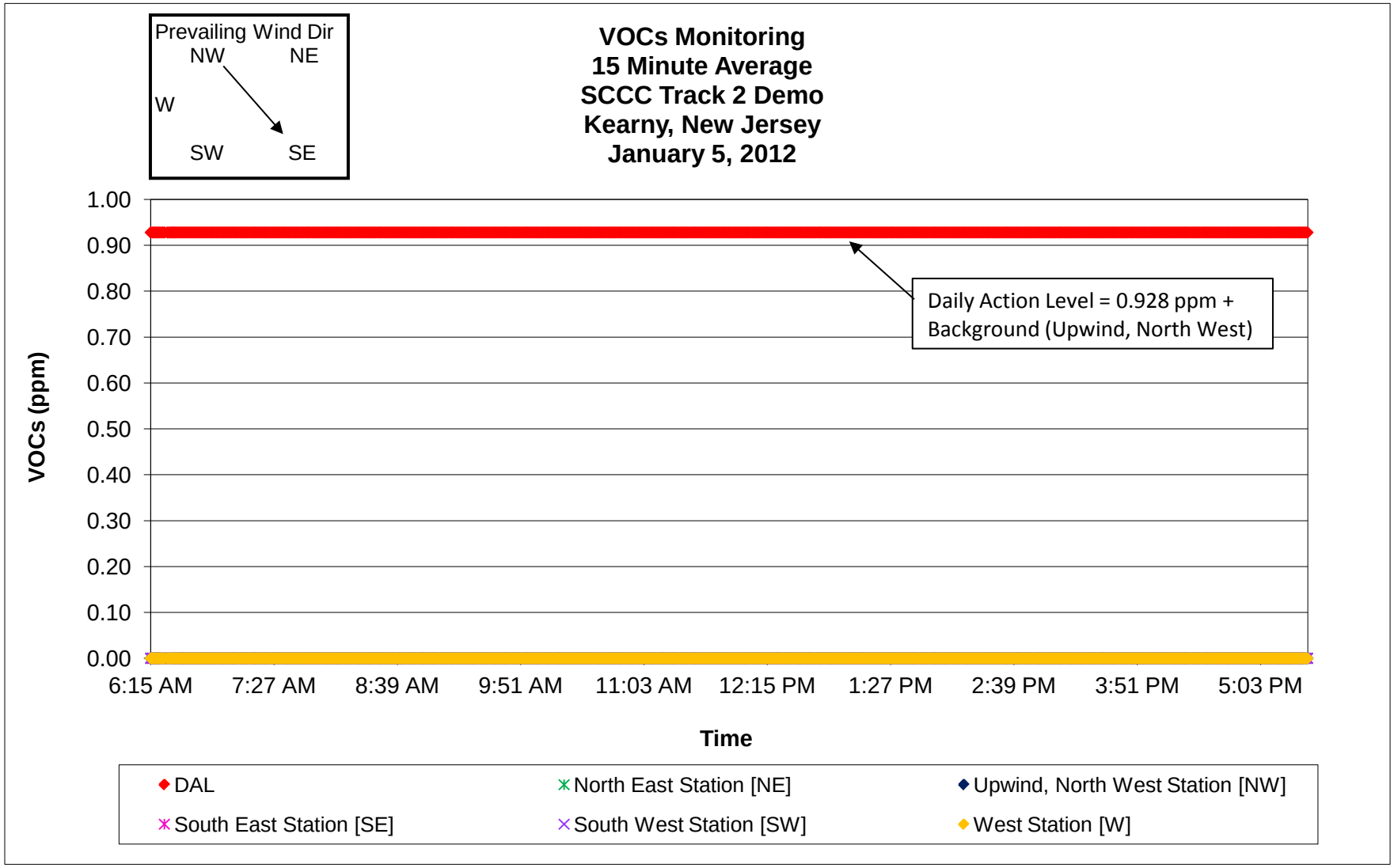

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
January 3, 2012
Daily Action Level = 0.160 mg/m³ + Background (Upwind North West)
Monitors being set up after holiday; start ups between 10 AM and 4 PM
Dust (mg/m³)
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
10:26 AM
11:38 AM
12:50 PM
2:02 PM
3:14 PM
4:26 PM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

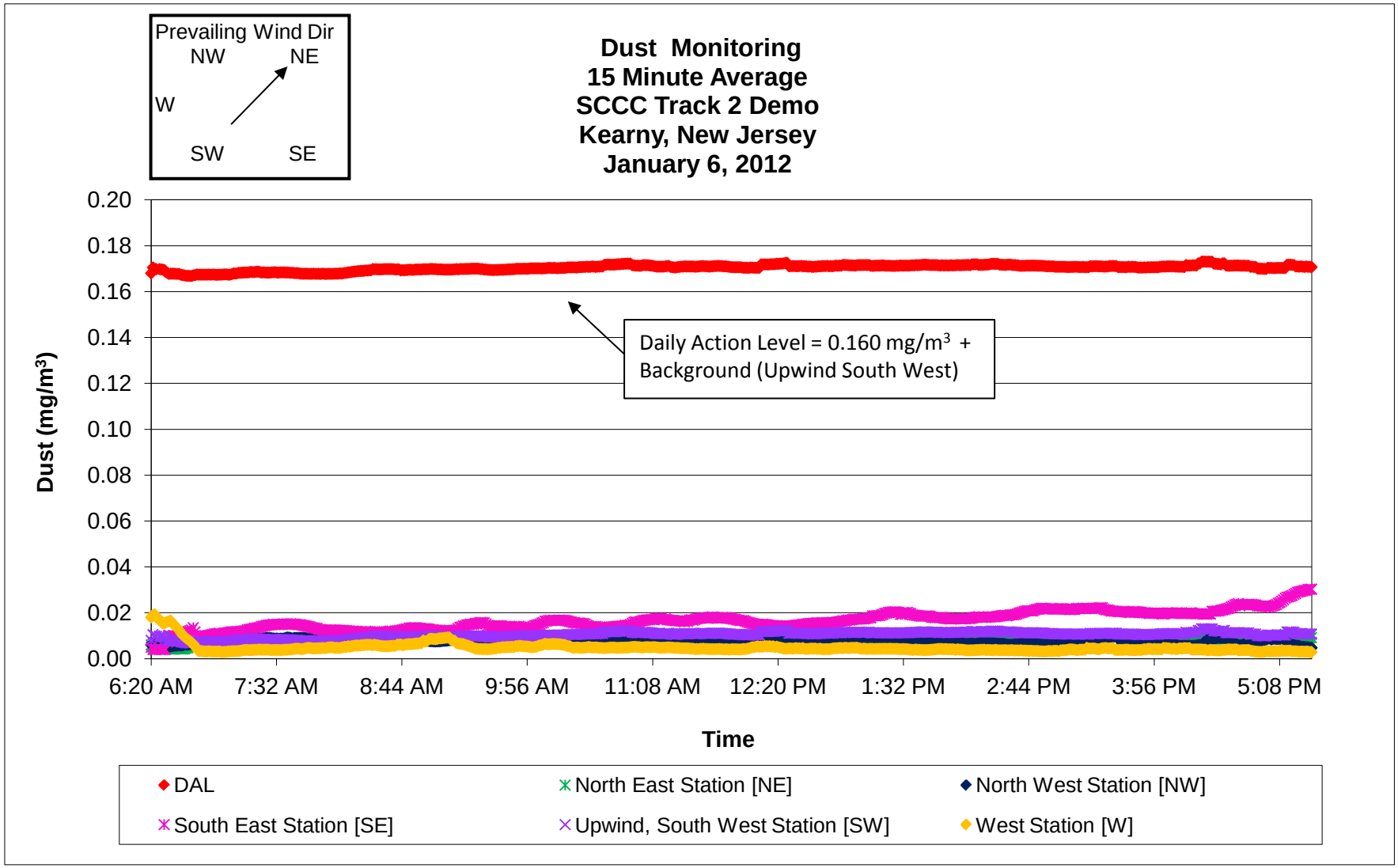

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
January 3, 2012
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Daily Action Level = 0.928 ppm + Background (Upwind, North West)
Monitors being set up after holiday; start up at 4:22 PM
4:22 PM
4:29 PM
4:36 PM
4:43 PM
4:51 PM
4:58 PM
5:05 PM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

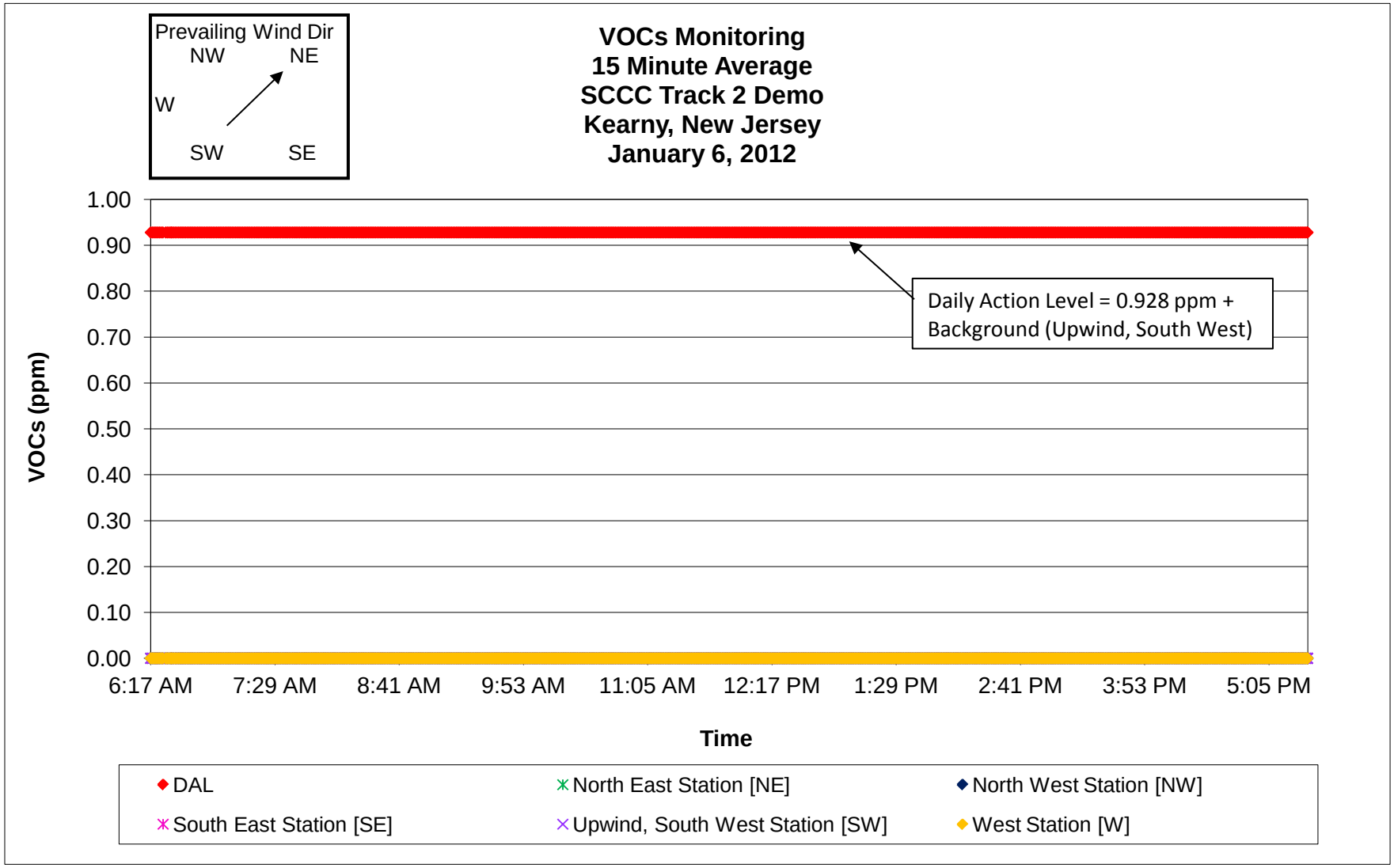

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
January 4, 2012
Daily Action Level = 0.160 mg/m³ +
Background (Upwind North West)
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:15 AM
7:27 AM
8:39 AM
9:51 AM
11:03 AM
12:15 PM
1:27 PM
2:39 PM
3:51 PM
5:03 PM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

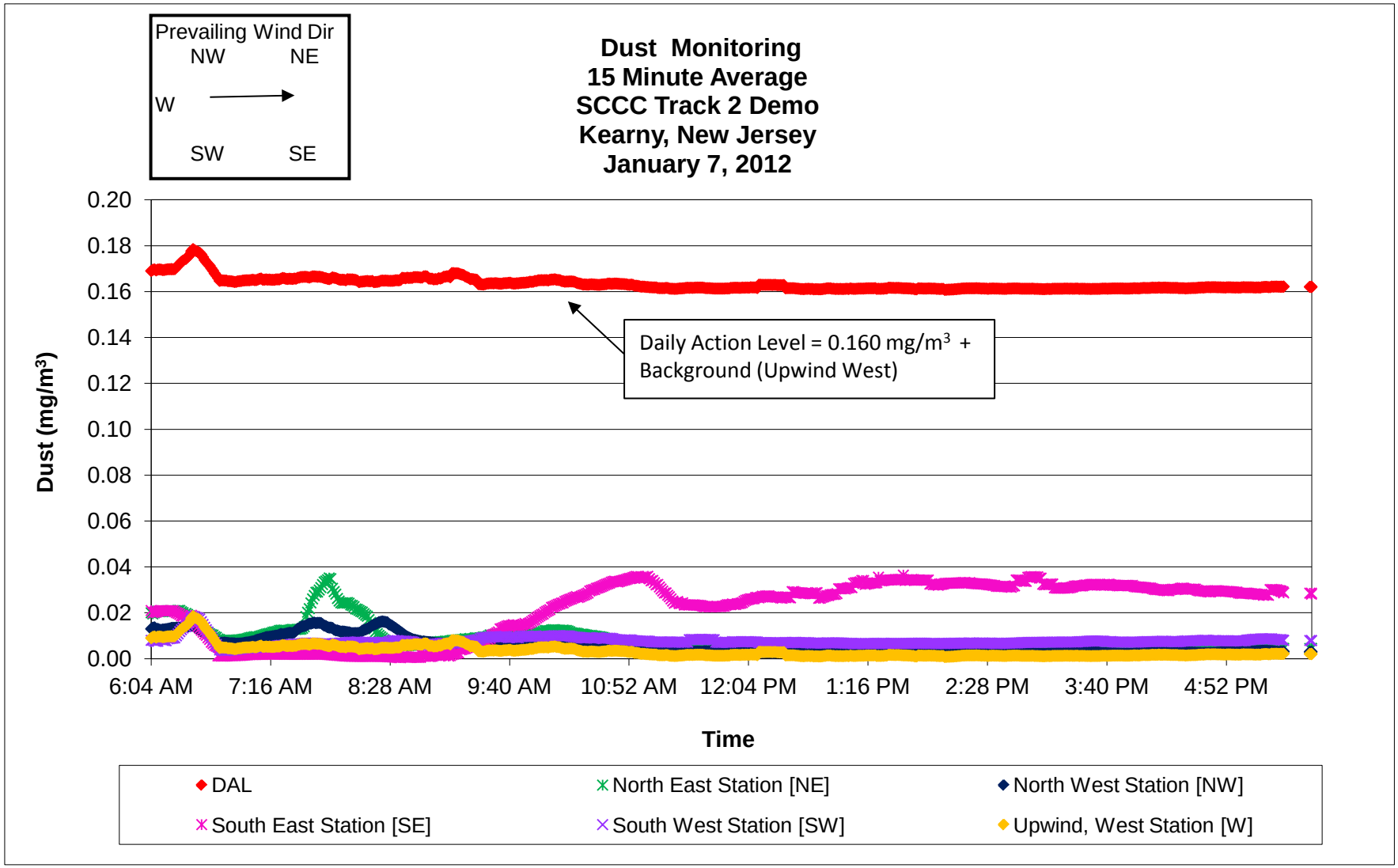

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
January 4, 2012
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
VOCs (ppm)
Daily Action Level = 0.928 ppm +
Background (Upwind, North West)
6:15 AM
7:27 AM
8:39 AM
9:51 AM
11:03 AM
12:15 PM
1:27 PM
2:39 PM
3:51 PM
5:03 PM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

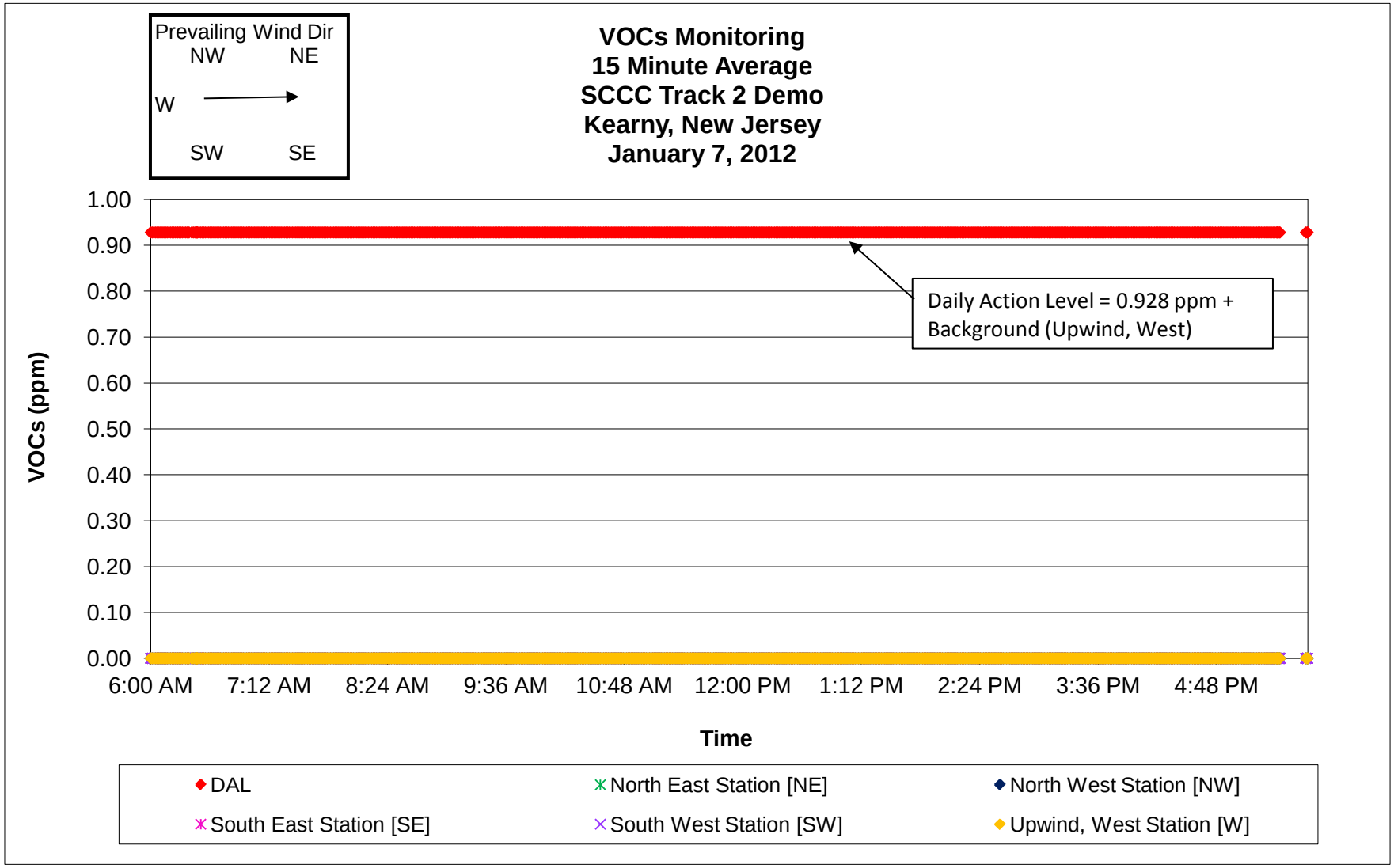

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
January 5, 2012
Daily Action Level = 0.160 mg/m³ +
Background (Upwind North West)
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:18 AM
7:30 AM
8:42 AM
9:54 AM
11:06 AM
12:18 PM
1:30 PM
2:42 PM
3:54 PM
5:06 PM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

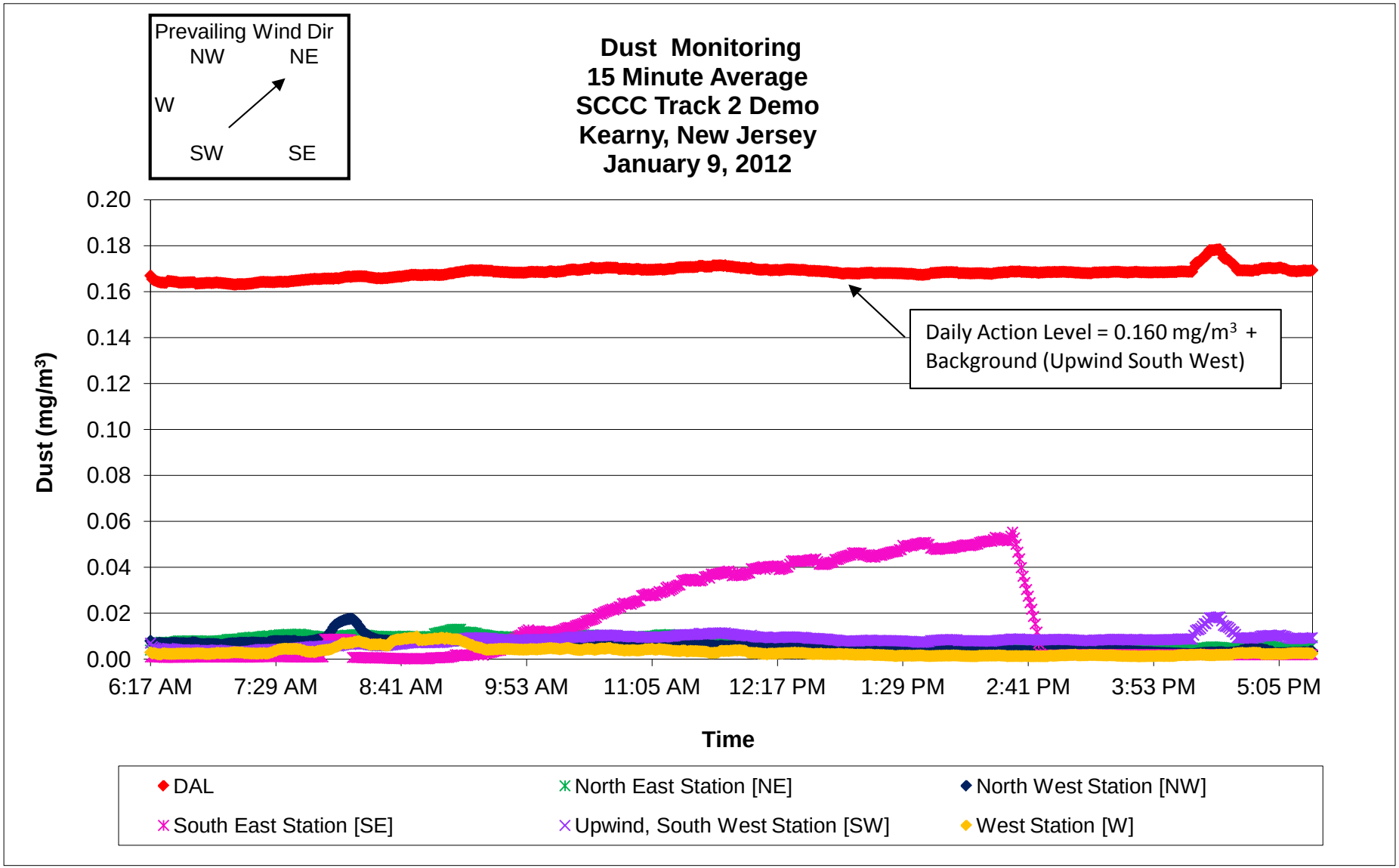

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
January 5, 2012
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
VOCs (ppm)
Daily Action Level = 0.928 ppm +
Background (Upwind, North West)
6:15 AM
7:27 AM
8:39 AM
9:51 AM
11:03 AM
12:15 PM
1:27 PM
2:39 PM
3:51 PM
5:03 PM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

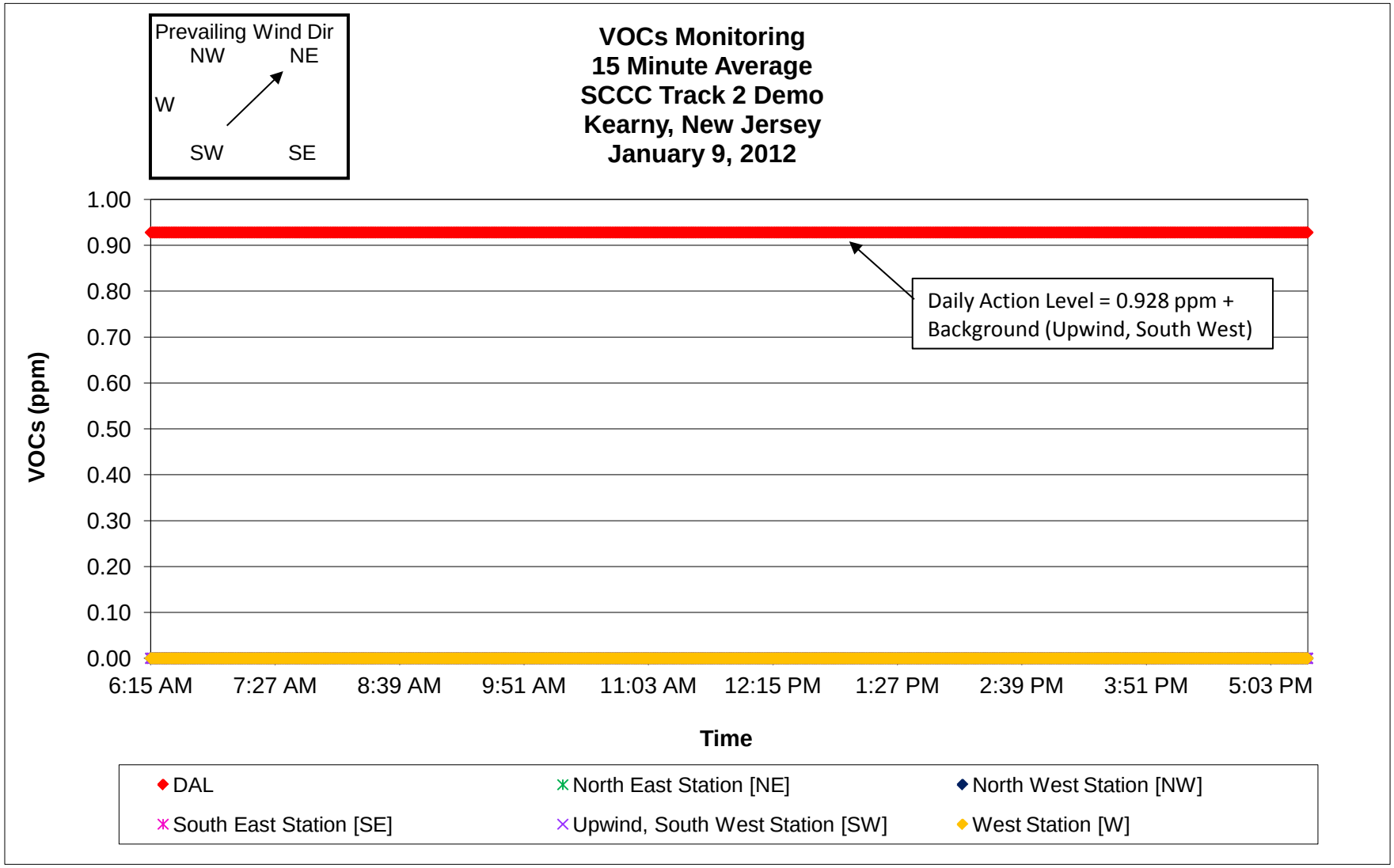

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
January 6, 2012
Daily Action Level = 0.160 mg/m³ +
Background (Upwind South West)
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:20 AM
7:32 AM
8:44 AM
9:56 AM
11:08 AM
12:20 PM
1:32 PM
2:44 PM
3:56 PM
5:08 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
Upwind, South West Station [SW]
West Station [W]

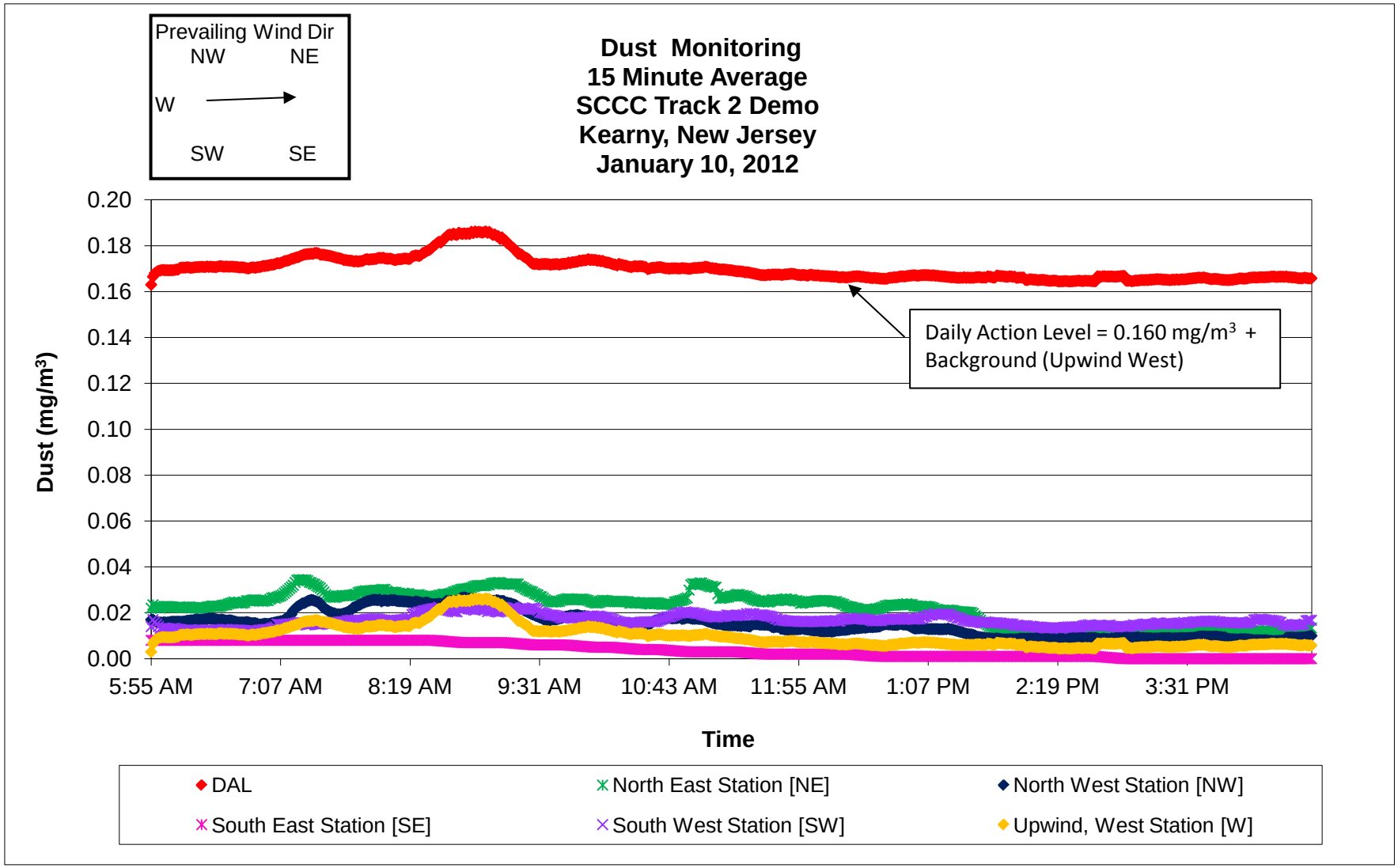

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
January 6, 2012
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Daily Action Level = 0.928 ppm +
Background (Upwind, South West)
6:17 AM
7:29 AM
8:41 AM
9:53 AM
11:05 AM
12:17 PM
1:29 PM
2:41 PM
3:53 PM
5:05 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
Upwind, South West Station [SW]
West Station [W]

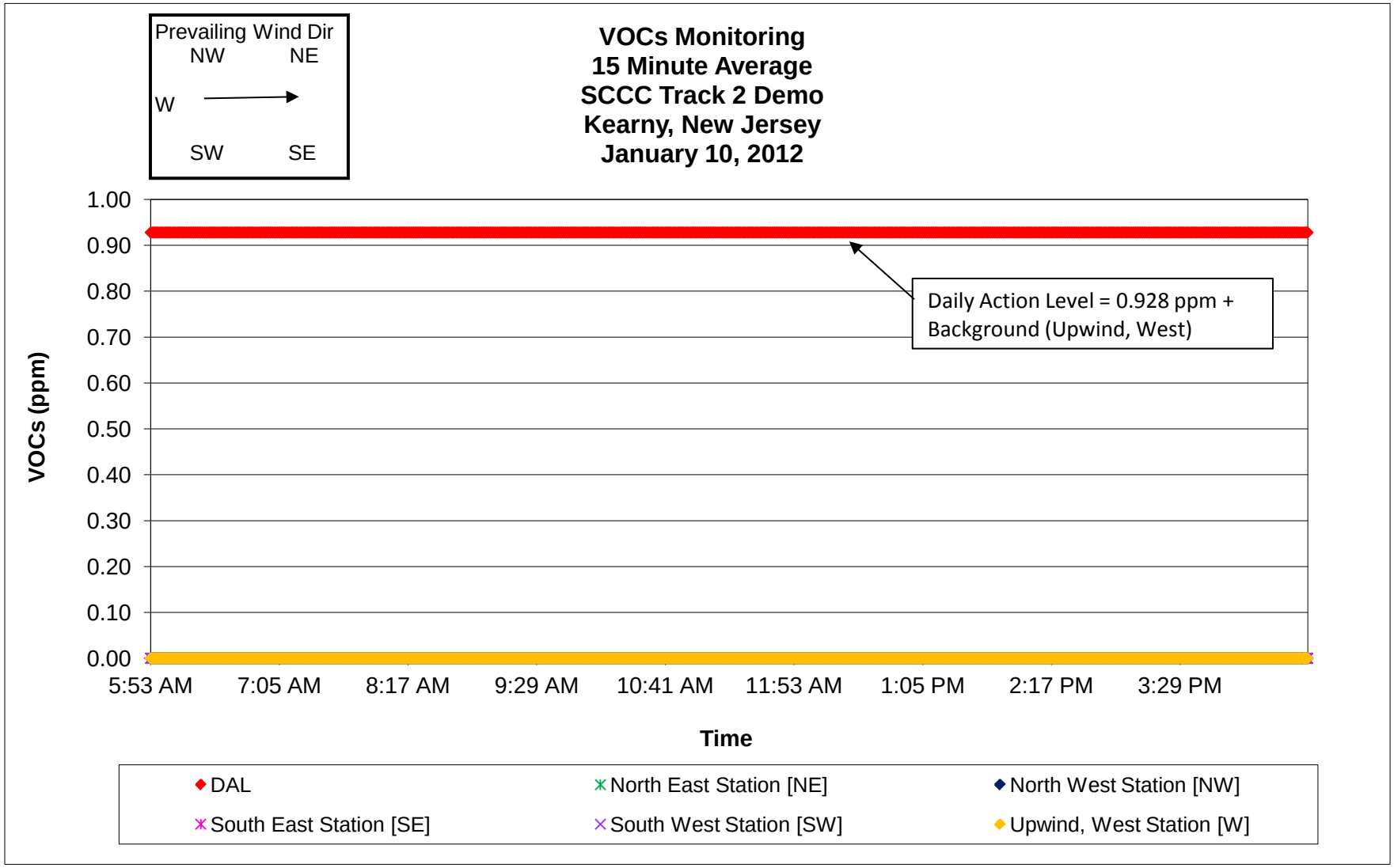

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
January 7, 2012
Daily Action Level = 0.160 mg/m³ + Background (Upwind West)
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:04 AM
7:16 AM
8:28 AM
9:40 AM
10:52 AM
12:04 PM
1:16 PM
2:28 PM
3:40 PM
4:52 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
Upwind, West Station [W]

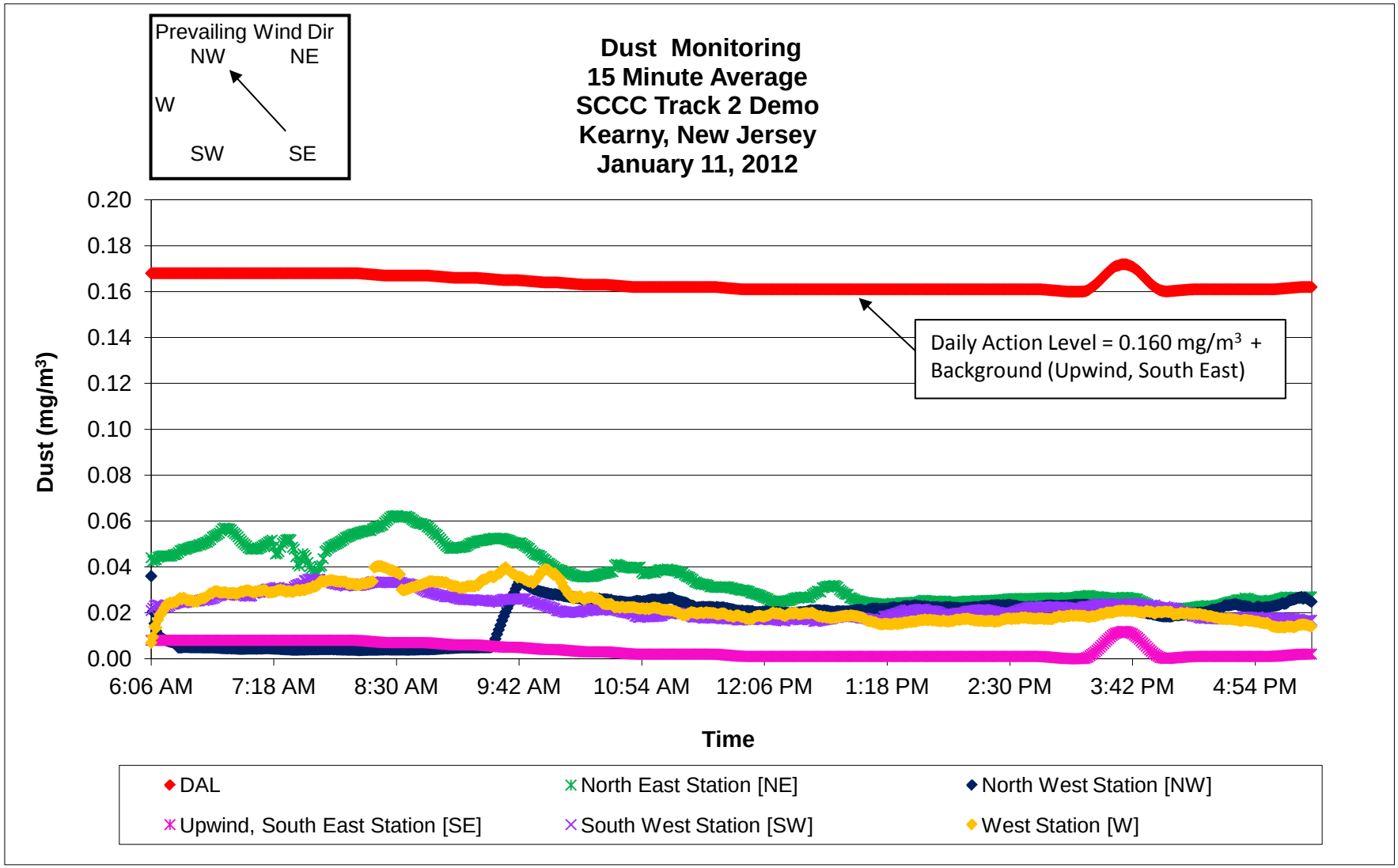

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
January 7, 2012
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Daily Action Level = 0.928 ppm + Background (Upwind, West)
6:00 AM
7:12 AM
8:24 AM
9:36 AM
10:48 AM
12:00 PM
1:12 PM
2:24 PM
3:36 PM
4:48 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
Upwind, West Station [W]

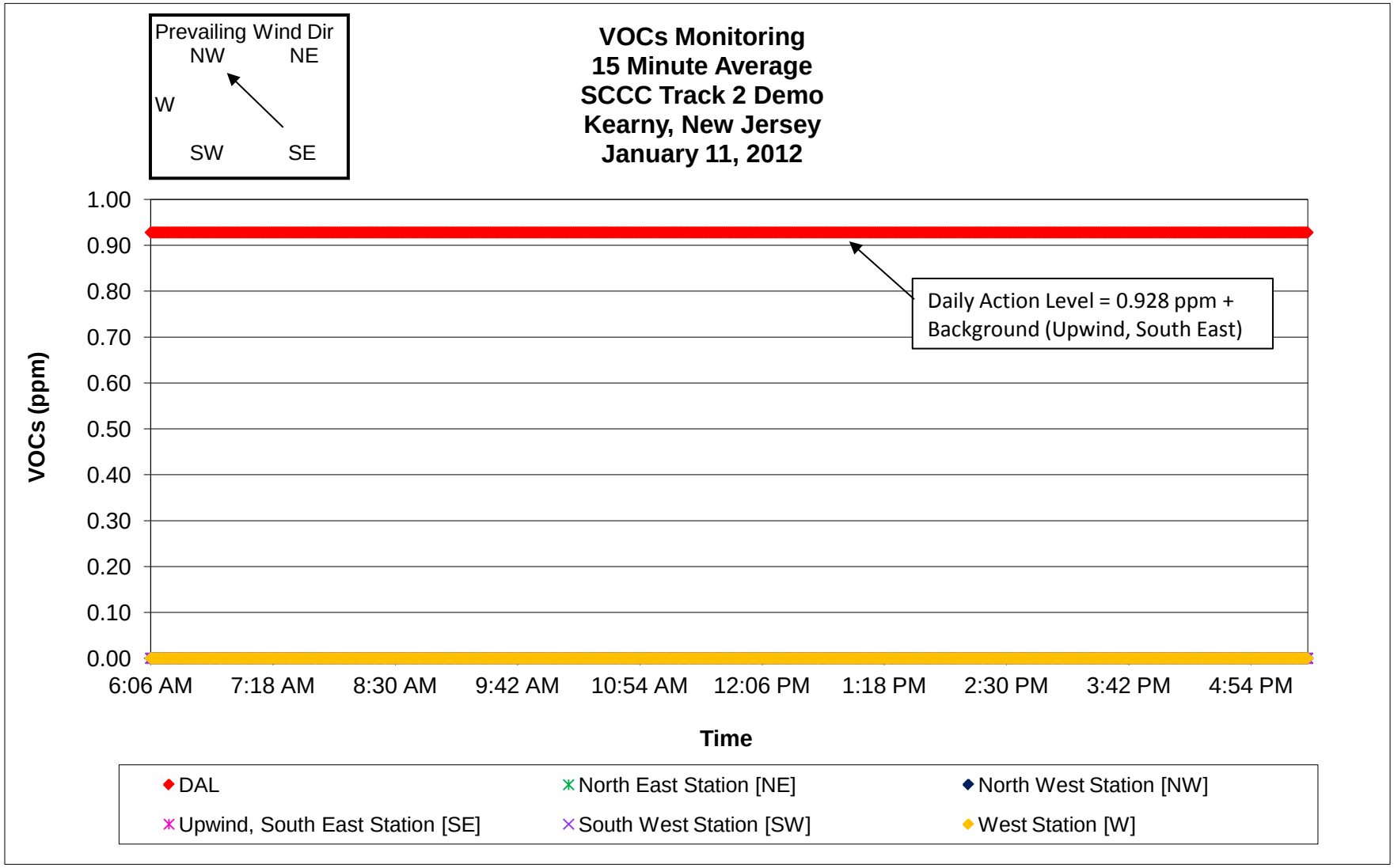

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
January 9, 2012
Daily Action Level = 0.160 mg/m³ +
Background (Upwind South West)
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:17 AM
7:29 AM
8:41 AM
9:53 AM
11:05 AM
12:17 PM
1:29 PM
2:41 PM
3:53 PM
5:05 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
Upwind, South West Station [SW]
West Station [W]

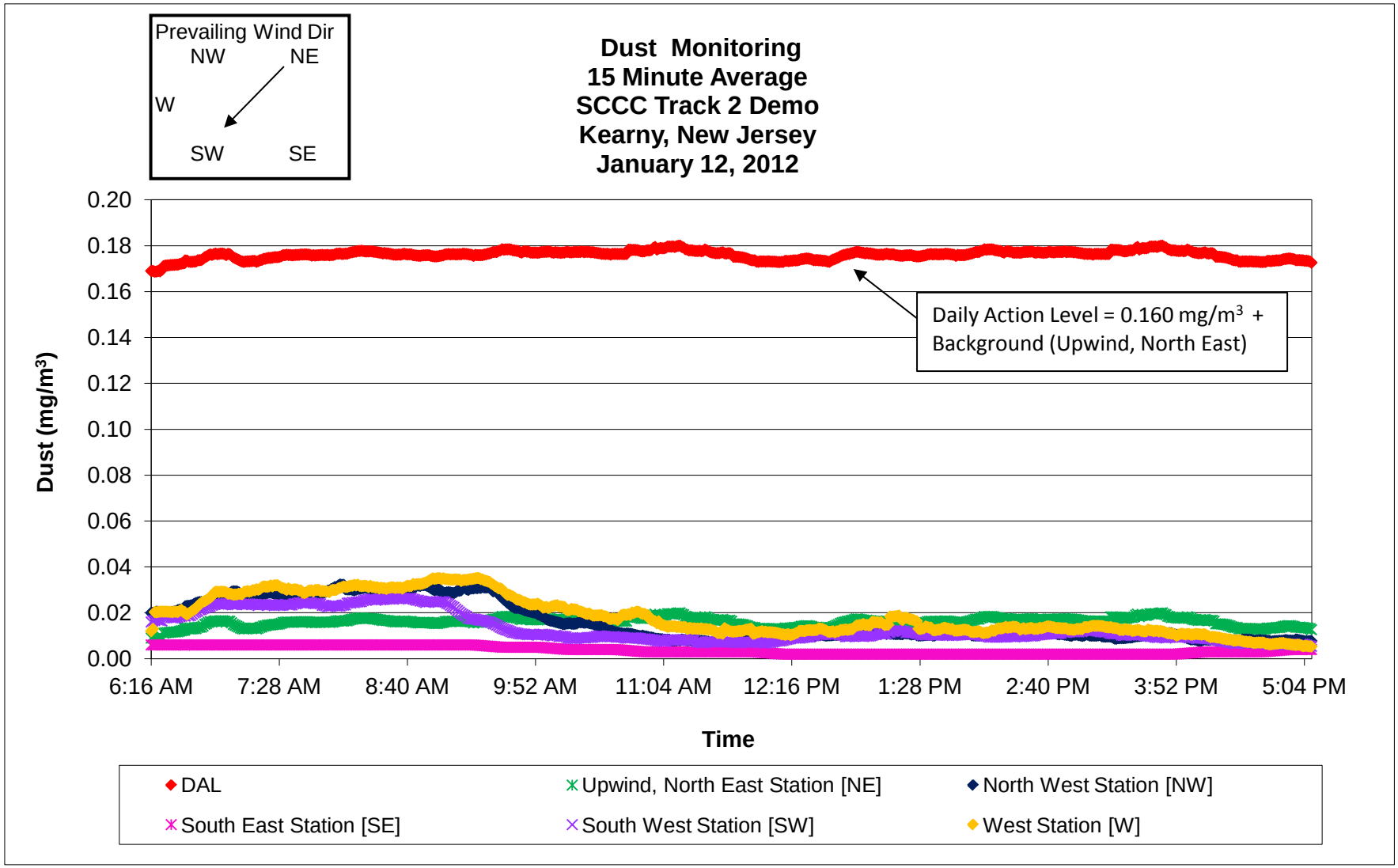

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
January 9, 2012
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Daily Action Level = 0.928 ppm +
Background (Upwind, South West)
6:15 AM
7:27 AM
8:39 AM
9:51 AM
11:03 AM
12:15 PM
1:27 PM
2:39 PM
3:51 PM
5:03 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
Upwind, South West Station [SW]
West Station [W]

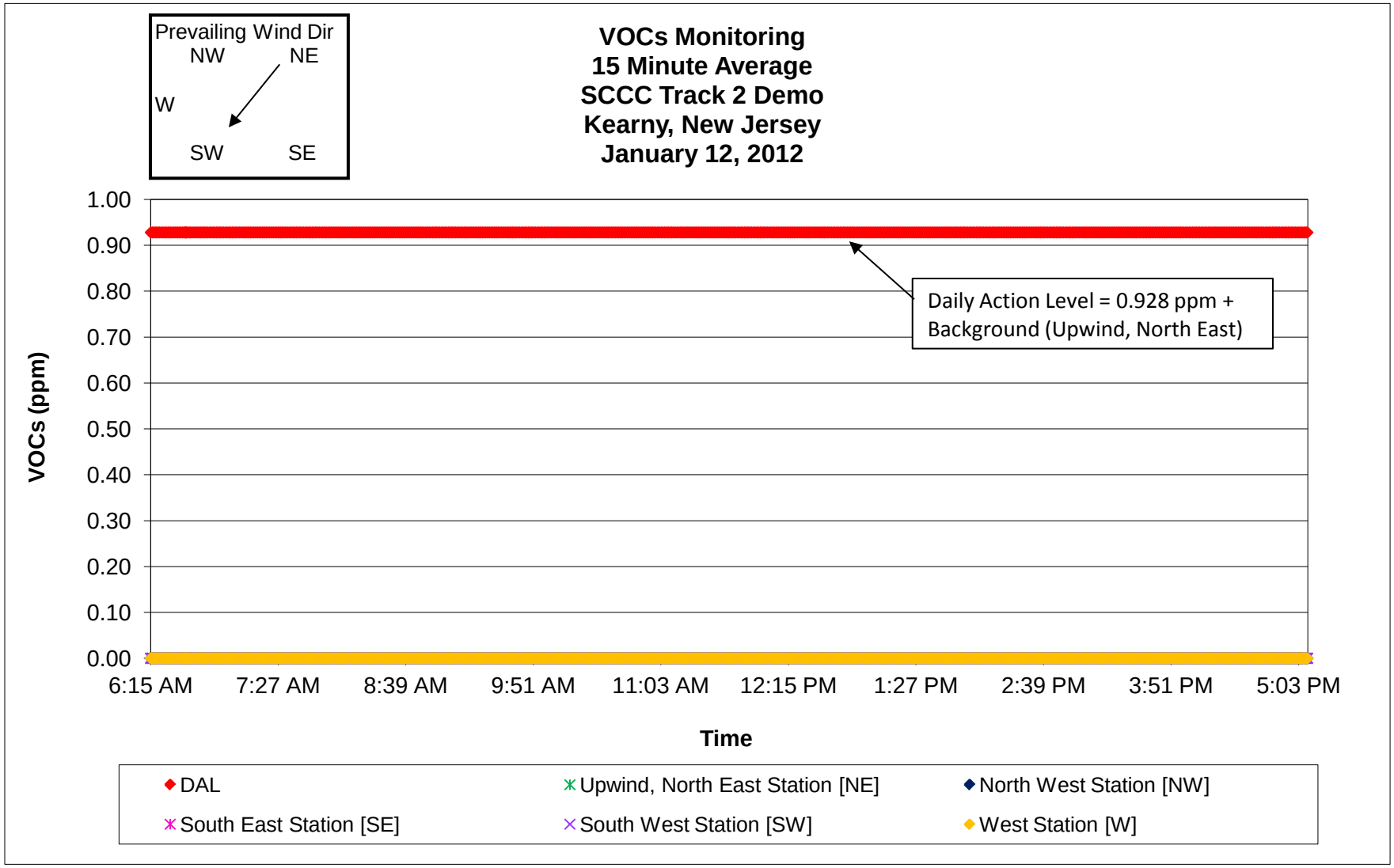

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
January 10, 2012
Daily Action Level = 0.160 mg/m³ + Background (Upwind West)
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
5:55 AM
7:07 AM
8:19 AM
9:31 AM
10:43 AM
11:55 AM
1:07 PM
2:19 PM
3:31 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
Upwind, West Station [W]

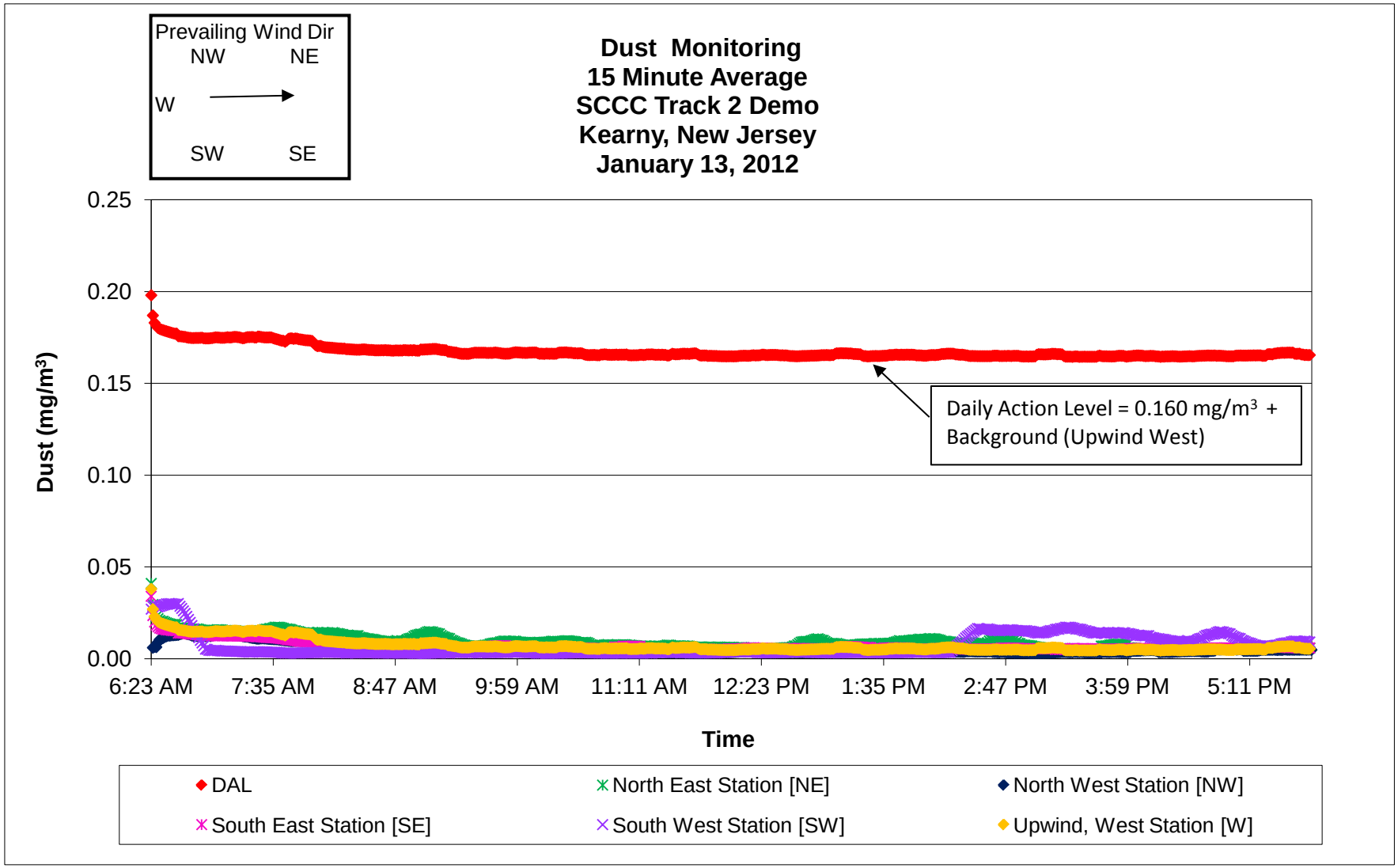

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
January 10, 2012
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Daily Action Level = 0.928 ppm + Background (Upwind, West)
5:53 AM
7:05 AM
8:17 AM
9:29 AM
10:41 AM
11:53 AM
1:05 PM
2:17 PM
3:29 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
Upwind, West Station [W]

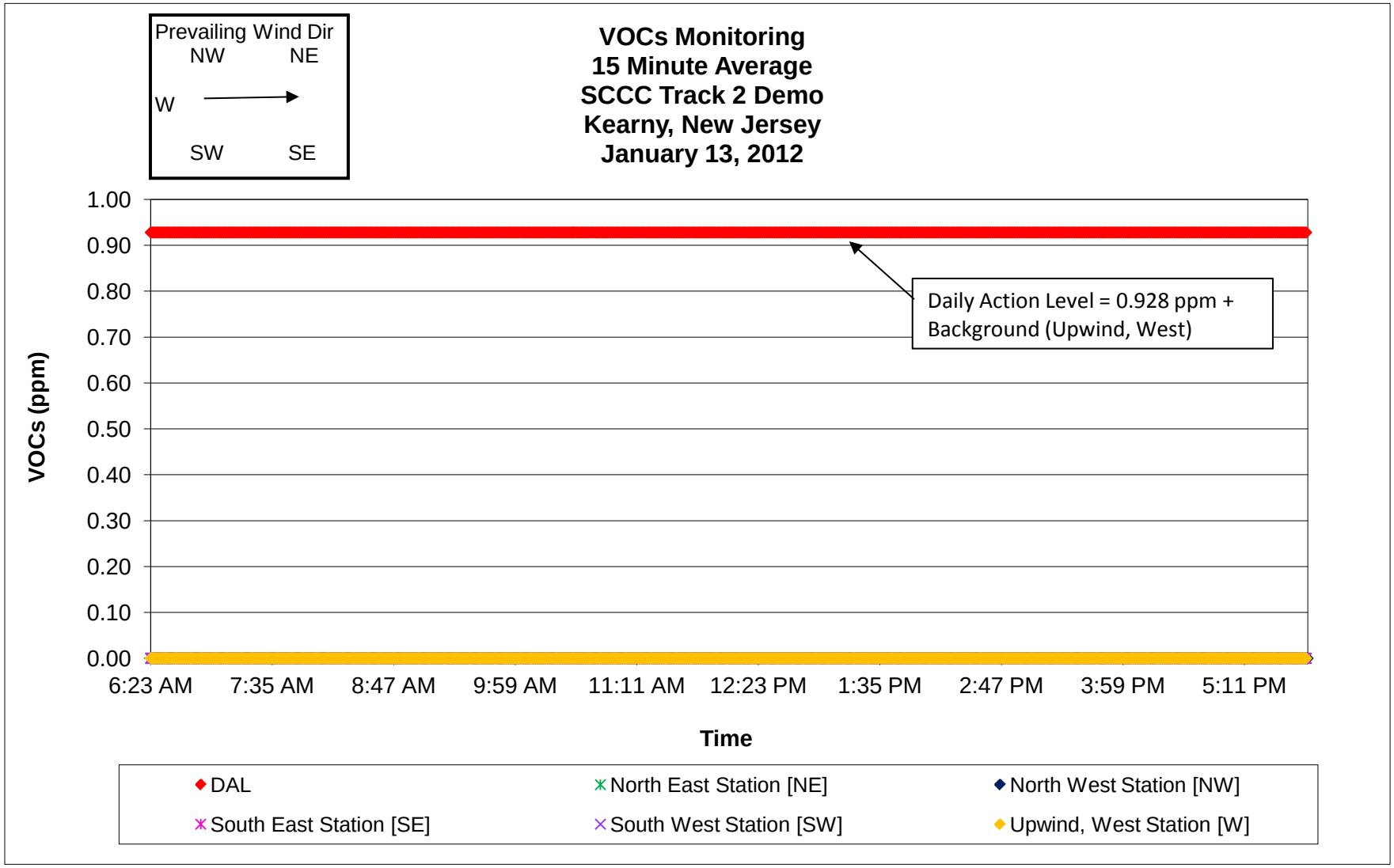

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
January 11, 2012
Daily Action Level = 0.160 mg/m³ +
Background (Upwind, South East)
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:06 AM
7:18 AM
8:30 AM
9:42 AM
10:54 AM
12:06 PM
1:18 PM
2:30 PM
3:42 PM
4:54 PM
Time
DAL
North East Station [NE]
North West Station [NW]
Upwind, South East Station [SE]
South West Station [SW]
West Station [W]

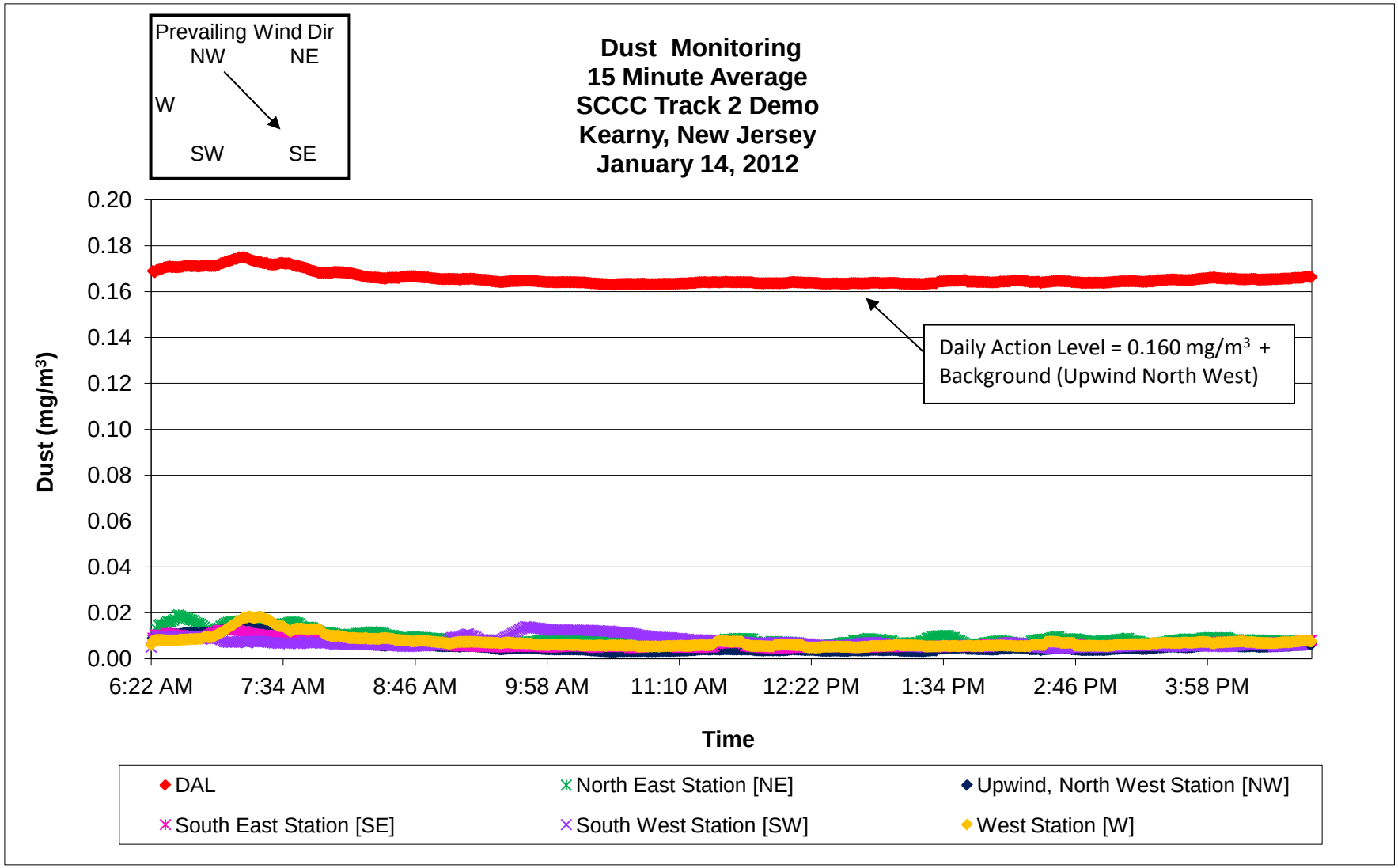

Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
January 11, 2012
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Daily Action Level = 0.928 ppm +
Background (Upwind, South East)
6:06 AM
7:18 AM
8:30 AM
9:42 AM
10:54 AM
12:06 PM
1:18 PM
2:30 PM
3:42 PM
4:54 PM
Time
DAL
North East Station [NE]
North West Station [NW]
Upwind, South East Station [SE]
South West Station [SW]
West Station [W]

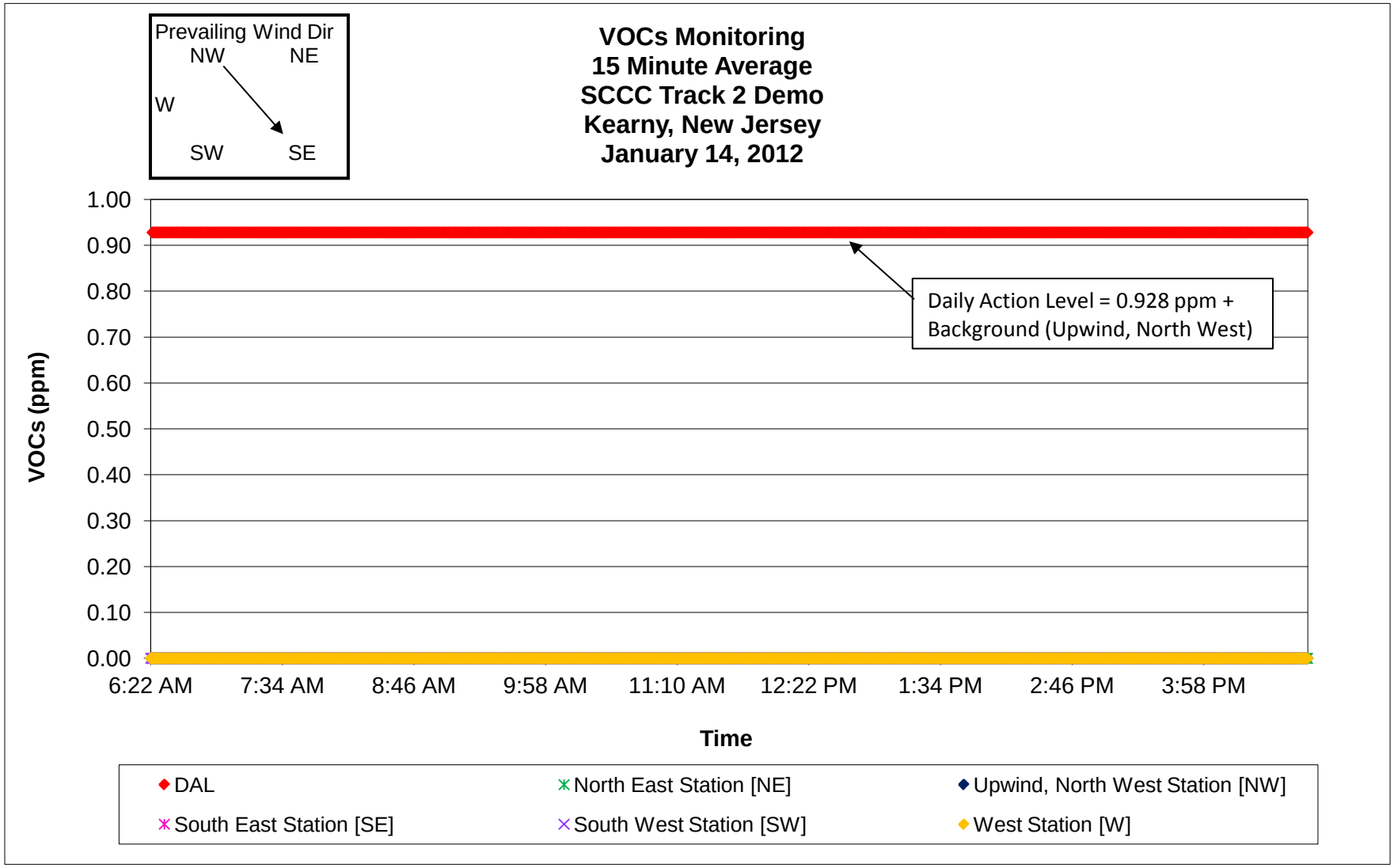

Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
January 12, 2012
Daily Action Level = 0.160 mg/m³ + Background (Upwind, North East)
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:16 AM
7:28 AM
8:40 AM
9:52 AM
11:04 AM
12:16 PM
1:28 PM
2:40 PM
3:52 PM
5:04 PM
Time
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]


Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
January 12, 2012
Daily Action Level = 0.928 ppm + Background (Upwind, North East)
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
6:15 AM
7:27 AM
8:39 AM
9:51 AM
11:03 AM
12:15 PM
1:27 PM
2:39 PM
3:51 PM
5:03 PM
Time
DAL
Upwind, North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]


Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
January 13, 2012
Dust (mg/m³)
0.25
0.20
0.15
0.10
0.05
0.00
6:23 AM
7:35 AM
8:47 AM
9:59 AM
11:11 AM
12:23 PM
1:35 PM
2:47 PM
3:59 PM
5:11 PM
Time
Daily Action Level = 0.160 mg/m³ + Background (Upwind West)
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
Upwind, West Station [W]


Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
January 13, 2012
VOCs (ppm)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Daily Action Level = 0.928 ppm + Background (Upwind, West)
6:23 AM
7:35 AM
8:47 AM
9:59 AM
11:11 AM
12:23 PM
1:35 PM
2:47 PM
3:59 PM
5:11 PM
Time
DAL
North East Station [NE]
North West Station [NW]
South East Station [SE]
South West Station [SW]
Upwind, West Station [W]


Prevailing Wind Dir
NW
NE
W
SW
SE
Dust Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
January 14, 2012
Dust (mg/m³)
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
6:22 AM
7:34 AM
8:46 AM
9:58 AM
11:10 AM
12:22 PM
1:34 PM
2:46 PM
3:58 PM
Time
Daily Action Level = 0.160 mg/m³ + Background (Upwind North West)
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]


Prevailing Wind Dir
NW
NE
W
SW
SE
VOCs Monitoring
15 Minute Average
SCCC Track 2 Demo
Kearny, New Jersey
January 14, 2012
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
VOCs (ppm)
Daily Action Level = 0.928 ppm +
Background (Upwind, North West)
6:22 AM
7:34 AM
8:46 AM
9:58 AM
11:10 AM
12:22 PM
1:34 PM
2:46 PM
3:58 PM
Time
DAL
North East Station [NE]
Upwind, North West Station [NW]
South East Station [SE]
South West Station [SW]
West Station [W]

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **10/11/2011, JK** |
| Prevailing wind direction: | NE– blowing from North East |
| Work Zones: | Zone 1- Grading Diamond & SCCC CA<br>Zone 2- Digging the diamond CA (berm) |
| Monitoring Duration: | 0600 to 1700 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northeast (units 8 &14), |
| Downwind Stations: | West (units 6 &11), Southeast (units 9 &13), Northwest (Stations 7 & 12), Southwest (units 10 & 15) |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL:<br>Measures taken: | None |
| Hits on Dusttrak above CAL:<br>Measures taken: | None |
| Problems Encountered:<br>Measures taken:<br>Other notes: | None |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **10/12/2011, JK** |
| Prevailing wind direction: | NE– blowing from North East |
| Work Zones: | Zone 1- Grading Diamond CA<br>Zone 2- Digging the diamond CA (berm) |
| Monitoring Duration: | 0600 to 1530 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northeast (units 8 &14), |
| Downwind Stations: | West (units 6 &11), Southeast (units 9 &13), Northwest (Stations 7 & 12), Southwest (units 10 & 15) |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL:<br>Measures taken: | None |
| Hits on Dusttrak above CAL:<br>Measures taken: | None |
| Problems Encountered:<br>Measures taken: | None |
| Other notes: | None |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **10/13/2011, JP** |
| Prevailing wind direction: | NE– blowing from North East |
| Work Zones: | Zone 1- Grading Diamond CA<br>Zone 2- SCCC CA anchor trenching within the platform |
| Monitoring Duration: | 0600 to 1530 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northeast (units 8 &14), |
| Downwind Stations: | West (units 6 &11), Southeast (units 9 &13), Northwest (Stations 7 & 12), Southwest (units 10 & 15) |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL:<br>Measures taken: | None |
| Hits on Dusttrak above CAL:<br>Measures taken: | None |
| Problems Encountered:<br>Measures taken: | None |
| Other notes: | None |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **10/25/2011, JK** |
| Prevailing wind direction: | NW– blowing from North West |
| Work Zones: | Zone 1- Grading Diamond CA<br>Zone 2- Liner installation on SCCC CA |
| Monitoring Duration: | 0600 to 1700 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northwest (Stations 7 & 12), |
| Downwind Stations: | West (units 6 &11), Northeast (units 8 &14),<br>Southeast (units 9 &13), Southwest (units 10 & 15) |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL:<br>Measures taken: | None |
| Hits on Dusttrak above CAL:<br>Measures taken: | None |
| Problems Encountered:<br>Measures taken:<br>Other notes: | None |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **10/26/2011, JK** |
| Prevailing wind direction: | NE– blowing from North East |
| Work Zones: | Zone 1- Grading Diamond CA<br>Zone 2- Demo Trk 2<br>Zone 3- Liner installation on SCCC CA |
| Monitoring Duration: | 0600 to 1900 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northeast (units 8 &14), |
| Downwind Stations: | West (units 6 &11), Northwest (Stations 7 & 12), Southeast (units 9 &13), Southwest (units 10 & 15) |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL:<br>Measures taken: | |
| Hits on Dusttrak above CAL:<br>Measures taken: | None |
| Problems Encountered:<br>Measures taken:<br>Other notes: | None |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **10/27/2011, JP/JK** |
| Prevailing wind direction: | NE– blowing from North East |
| Work Zones: | Zone 1- Drainage channel on Diamond CA<br>Zone 2- Demo Trk 2 |
| Monitoring Duration: | 0600 to 1900 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northeast (units 8 &14), |
| Downwind Stations: | West (units 6 &11), Southeast (units 9 &13), Southwest (units 10 & 15) , Northwest (Stations 7 & 12), |
| Did wind change more than 30 deg over the monitoring period/work hours: | |
| Stations moved, if wind changed: | No |
| Hits on PPb above DAL:<br>Measures taken: | N/A |
| Hits on Dusttrak above CAL:<br>Measures taken: | None |
| Problems Encountered:<br>Measures taken:<br>Other notes: | None |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **10/28/2011, JP/JK** |
| Prevailing wind direction: | NE– blowing from North East |
| Work Zones: | Zone 1- Septic tankson Diamond<br>Zone 2- Demo Trk 2 |
| Monitoring Duration: | 0600 to 1700 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northeast (units 8 &14), |
| Downwind Stations: | West (units 6 &11), Southeast (units 9 &13), Southwest (units 10 & 15) , Northwest (Stations 7 & 12), |
| Did wind change more than 30 deg over the monitoring period/work hours: | |
| Stations moved, if wind changed: | No |
| Hits on PPb above DAL:<br>Measures taken: | N/A |
| Hits on Dusttrak above CAL:<br>Measures taken: | None |
| Problems Encountered:<br>Measures taken:<br>Other notes: | None |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **10/31/2011, JP/JK** |
| Prevailing wind direction: | SE– blowing from South East |
| Work Zones: | Zone 1- Grading Diamond CA in the morning<br>Zone 2- Demo Trk 2 |
| Monitoring Duration: | 0600 to 1700 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Southeast (units 9 &13), |
| Downwind Stations: | West (units 6 &11), Southwest (units 10 & 15) , Northwest (Stations 7 & 12), Northeast (units 8 &14), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL:<br>Measures taken: | None |
| Hits on Dusttrak above CAL:<br>Measures taken: | None |
| Problems Encountered:<br>Measures taken:<br>Other notes: | None |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **11/01/2011, JP** |
| Prevailing wind direction: | NE– blowing from North East |
| Work Zones: | Zone 1- Diamond drainage channel<br>Zone 2- Demo Trk 2 |
| Monitoring Duration: | 0600 to 1600 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northeast (units 8 &14), |
| Downwind Stations: | West (units 6 &11), Southwest (units 10 & 15) ,<br>Northwest (Stations 7 & 12), Southeast (units 9 &13), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL:<br>Measures taken: | None |
| Hits on Dusttrak above CAL:<br>Measures taken: | |
| Problems Encountered:<br>Measures taken: | None |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **11/02/2011, JP** |
| Prevailing wind direction: | SE– blowing from South East |
| Work Zones: | Zone 1- Diamond Anchor Trench<br>Zone 2- Demo Trk 2 |
| Monitoring Duration: | 0600 to 1730 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Southeast (units 9 &13), |
| Downwind Stations: | West (units 6 &11), Southwest (units 10 & 15) ,<br>Northwest (Stations 7 & 12), Northeast (units 8 &14), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL:<br>Measures taken: | None |
| Hits on Dusttrak above CAL:<br>Measures taken: | None |
| Problems Encountered:<br>Measures taken:<br>Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **11/03/2011, JP** |
| Prevailing wind direction: | SW– blowing from South West |
| Work Zones: | Zone 1- Diamond Anchor Trench<br>Zone 2- Demo Trk 2 |
| Monitoring Duration: | 0600 to 1750 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Southwest (units 10 &15), |
| Downwind Stations: | West (units 6 &11), Southeast (units 9 & 13) ,<br>Northwest (Stations 7 & 12), Northeast (units 8 &14), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL:<br>Measures taken: | None |
| Hits on Dusttrak above CAL:<br>Measures taken: | Northwest unit above 0.09 mg/m3 |
| Problems Encountered:<br>Measures taken:<br>Other notes: | Unit calibrated and readings checked against spare unit. Measured confirmed readings were accurate.<br><br>Soil conditions were damp and no apparent dust being generated. |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **11/08/2011, JP** |
| Prevailing wind direction: | SW– blowing |
| Work Zones: | Zone 1- Fabric installation on East end of Diamond CA<br>Zone 2- Demo Trk 2 |
| Monitoring Duration: | 0623 to 1700 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Southwest (units 10 &15), |
| Downwind Stations: | West (units 6 &11), Southeast (units 9 & 13) , Northwest (Stations 7 & 12), Northeast (units 8 &14), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL:<br>Measures taken: | None |
| Hits on Dusttrak above CAL:<br>Measures taken: | None |
| Problems Encountered:<br>Measures taken:<br>Other notes: | None |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **11/09/2011, JP** |
| Prevailing wind direction: | SE– blowing from South East |
| Work Zones: | Zone 2- Demo Trk 2 |
| Monitoring Duration: | 24 hours |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Southeast (units 9 & 13) |
| Downwind Stations: | West (units 6 &11), , Northwest (Stations 7 & 12), Northeast (units 8 &14), Southwest (units 10 &15), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL:<br>Measures taken: | None |
| Hits on Dusttrak above CAL:<br>Measures taken: | None |
| Problems Encountered:<br>Measures taken:<br>Other notes: | 1. Transmission from West and Northwest PID units failed after morning calibration. Modem malfunction required support from AMP station distributor technical personnel. Manual readings were taken every 30 minutes during down time. Readings were below DAL. All systems transmitting data by 0850. |

| | |
|---|---|
| | 2. Elevated PID readings detected during non-working hours in Northwest, Northeast and West PIDs. Calibration and modem resetting reduced readings. High moisture levels overnight were observed, but no work related factors have been associated with the readings, which were below DAL. |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **11/10/2011, JP** |
| Prevailing wind direction: | NW– blowing from North West |
| Work Zones: | Zone 2- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northwest (Stations 7 & 12) |
| Downwind Stations: | West (units 6 &11), Southeast (units 9 & 13)<br>, Northeast (units 8 &14), Southwest (units 10 &15), |
| Did wind change more than 30 deg over the monitoring period/work hours: | |
| Stations moved, if wind changed: | No |
| Hits on PPb above DAL:<br>Measures taken: | N/A |
| Hits on Dusttrak above CAL:<br>Measures taken: | None |
| Problems Encountered:<br>Measures taken:<br>Other notes: | Transmission from Northwest PID shut down at 1855 on 11-9-11 during non-working hours. Malfunction caused by loose connection in charging dock. Connection repaired and transmission restored by at 0623. |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **11/11/2011, JK** |
| Prevailing wind direction: | NW– blowing from North West |
| Work Zones: | Zone 2- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northwest (Stations 7 & 12) |
| Downwind Stations: | West (units 6 &11), Southeast (units 9 & 13)<br>, Northeast (units 8 &14), Southwest (units 10 &15), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL:<br>Measures taken: | None |
| Hits on Dusttrak above CAL:<br>Measures taken: | None |
| Problems Encountered:<br>Measures taken:<br>Other notes: | None |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **11/12/2011, SB** |
| Prevailing wind direction: | SW– blowing from South West |
| Work Zones: | Zone 2- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Southwest (units 10 &15), |
| Downwind Stations: | West (units 6 &11), Southeast (units 9 & 13) , Northeast (units 8 &14), Northwest (Stations 7 & 12) |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | No |
| Hits on PPb above DAL: | |
| Measures taken: | N/A |
| Hits on Dusttrak above CAL: | |
| Measures taken: | None |
| Problems Encountered: | |
| Measures taken: | None |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **11/14/2011, JK** |
| Prevailing wind direction: | SW– blowing from South West |
| Work Zones: | Zone 1- Demo Trk 2<br>Zone 2- Pumping Septic tank # 5 (12:30-14:00) |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Southwest (units 10 &15), |
| Downwind Stations: | West (units 6 &11), Southeast (units 9 & 13)<br>, Northeast (units 8 &14), Northwest (Stations 7 & 12) |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL:<br>Measures taken: | None |
| Hits on Dusttrak above CAL:<br>Measures taken: | None |
| Problems Encountered:<br>Measures taken:<br>Other notes: | None |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **11/15/2011, JK/JP** |
| Prevailing wind direction: | NW– blowing from North West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northwest (Stations 7 & 12) |
| Downwind Stations: | West (units 6 &11), Southeast (units 9 & 13)<br>, Northeast (units 8 &14), Southwest (units 10 &15), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | No |
| Hits on PPb above DAL:<br>Measures taken: | N/A |
| Hits on Dusttrak above CAL:<br>Measures taken: | None |
| Problems Encountered:<br>Measures taken:<br>Other notes: | None |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **11/16/2011, JK** |
| Prevailing wind direction: | SE– blowing from South East |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Southeast (units 9 & 13) |
| Downwind Stations: | West (units 6 &11), , Northeast (units 8 &14), Southwest (units 10 &15), Northwest (Stations 7 & 12) |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: | None |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **11/17/2011, JK** |
| Prevailing wind direction: | NW– blowing from North West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:30 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northwest (Stations 7 & 12) |
| Downwind Stations: | West (units 6 &11), Northeast (units 8 &14), Southwest (units 10 &15), Southeast (units 9 & 13) |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: | None |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **11/18/2011, JK** |
| Prevailing wind direction: | NW– blowing from North West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northwest (Stations 7 & 12) |
| Downwind Stations: | West (units 6 &11), Northeast (units 8 &14), Southwest (units 10 &15), Southeast (units 9 & 13) |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: | None |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **11/19/2011, JK** |
| Prevailing wind direction: | SW– blowing from South West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Southwest (units 10 &15) |
| Downwind Stations: | West (units 6 &11), Northeast (units 8 &14), Northwest (Stations 7 & 12) , Southeast (units 9 & 13) |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: | None |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **11/21/2011, JK** |
| Prevailing wind direction: | NE– blowing from North East |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northeast (units 8 &14), |
| Downwind Stations: | West (units 6 &11), Northwest (Stations 7 & 12) , Southeast (units 9 & 13), Southwest (units 10 &15) |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: | None |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **11/22/2011, JK** |
| Prevailing wind direction: | NE– blowing from North East |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northeast (units 8 &14), |
| Downwind Stations: | West (units 6 &11), Northwest (Stations 7 & 12) , Southeast (units 9 & 13), Southwest (units 10 &15) |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: | None |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **11/29/2011, JK** |
| Prevailing wind direction: | SE– blowing from South East |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:30 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Southeast (units 9 & 13), |
| Downwind Stations: | West (units 6 &11), Southwest (units 10 &15), Northeast (units 8 &14), Northwest (Stations 7 & 12) |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: | None |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **11/30/2011, JK** |
| Prevailing wind direction: | NW– blowing from North West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:30 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northwest (Stations 7 & 12) , |
| Downwind Stations: | West (units 6 &11), Southwest (units 10 &15), Northeast (units 8 &14), Southeast (units 9 & 13), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: | None |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **12/01/2011, JK** |
| Prevailing wind direction: | NW– blowing from North West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:30 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Southwest (units 10 &15), |
| Downwind Stations: | West (units 6 &11), Northwest (Stations 7 & 12) , Southeast (units 9 & 13), Northeast (units 8 &14), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: | None |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **12/02/2011, JK** |
| Prevailing wind direction: | SW– blowing from South West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Southwest (units 10 &15), |
| Downwind Stations: | West (units 6 &11), Northwest (Stations 7 & 12) , Southeast (units 9 & 13), Northeast (units 8 &14), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: | None |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **12/03/2011, JK** |
| Prevailing wind direction: | NNE– blowing from North of North East |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northeast (units 8 &14), |
| Downwind Stations: | West (units 6 &11), Northwest (Stations 7 & 12) , Southwest (units 10 &15), Southeast (units 9 & 13), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: | |
| Measures taken: | None |
| Hits on Dusttrak above CAL: | |
| Measures taken: | None |
| Problems Encountered: | |
| Measures taken: | None |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **12/05/2011, JK** |
| Prevailing wind direction: | SE– blowing from South East |
| Work Zones: | Zone 1- Demo Trk 2<br>Zone 2- SD pipe repair [CB 7 & CB 8] , (7-15:15) |
| Monitoring Duration: | 6:00-17:15 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Southeast (units 9 & 13), |
| Downwind Stations: | West (units 6 &11), Northwest (Stations 7 & 12) ,<br>Southwest (units 10 &15), Northeast (units 8 &14), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL:<br>Measures taken: | None |
| Hits on Dusttrak above CAL:<br>Measures taken: | None |
| Problems Encountered:<br>Measures taken:<br>Other notes: | None |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **12/06/2011, JK** |
| Prevailing wind direction: | SW– blowing from South West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Southwest (units 10 &15), |
| Downwind Stations: | West (units 6 &11), Northwest (Stations 7 & 12) , Northeast (units 8 &14), Southeast (units 9 & 13), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: | None |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **12/07/2011, JK** |
| Prevailing wind direction: | NE– blowing from North East |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:30 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northeast (units 8 &14), |
| Downwind Stations: | West (units 6 &11), Northwest (Stations 7 & 12) , Southwest (units 10 &15), Southeast (units 9 & 13), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: | None |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **12/08/2011, JK** |
| Prevailing wind direction: | NW– blowing from North West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northwest (Stations 7 & 12) , |
| Downwind Stations: | West (units 6 &11), Southeast (units 9 & 13), Southwest (units 10 &15), Northeast (units 8 &14), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: | None |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **12/13/2011, JK** |
| Prevailing wind direction: | N– blowing from North |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northwest (Stations 7 & 12) , |
| Downwind Stations: | West (units 6 &11), Southwest (units 10 &15), Northeast (units 8 &14), Southeast (units 9 & 13), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | NW dustrak showed high readings around 7:30, checked the area with spare dustrak, read 0.028. Calibrated the dustrak twice, back to normal. |
| Problems Encountered: Measures taken: Other notes: | SE unit doesn't transfer the data because of the battery problem. Around 8:24 PID started transmitting data but Dustrak didn't transfer data all day. Checked the area with spare Dustrak every half an hour. |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **12/14/2011, JK** |
| Prevailing wind direction: | SSE– blowing from South of South East |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Southeast (units 9 & 13), |
| Downwind Stations: | West (units 6 &11), Southwest (units 10 &15), Northeast (units 8 &14), Northwest (Stations 7 & 12) |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: Other notes: | SE unit doesn't transfer the data because of the battery problem. Contacted FEI, was said that the solar battery has problem and it needs to be changed. FEI scheduled the visit on Saturday 11-17-11 to check on all units and fix the problem in SE unit. |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **12/15/2011, JK** |
| Prevailing wind direction: | SSW– blowing from South of South West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Southwest (units 10 &15), |
| Downwind Stations: | West (units 6 &11), Northeast (units 8 &14), Southeast (units 9 & 13), Northwest (Stations 7 &12) |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: | SE unit doesn't transfer the data due to previous reasons. |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **12/16/2011, JK** |
| Prevailing wind direction: | WNW– blowing from West of North West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northwest (Stations 7 & 12) , |
| Downwind Stations: | West (units 6 &11), Southwest (units 10 &15), Northeast (units 8 &14), Southeast (units 9 & 13), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: Other notes: | SE unit doesn't transfer the data due to previous reasons. |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **12/17/2011, JK** |
| Prevailing wind direction: | NW– blowing from North West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northwest (Stations 7 & 12) , |
| Downwind Stations: | West (units 6 &11), Southwest (units 10 &15), Northeast (units 8 &14), Southeast (units 9 & 13), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: Other notes: | Mike Waltman (FEI) was on site and fix the problems in locks, batteries, solar panels and modems. Dustrak in unit NW doesn't work properly (pump problem) so FEI will send the new one on Wednesday morning. |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **12/19/2011, SB** |
| Prevailing wind direction: | SW– blowing from South West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:15 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Southwest (units 10 &15), |
| Downwind Stations: | West (units 6 &11), Northeast (units 8 &14), Southeast (units 9 & 13), Northwest (Stations 7 & 12) |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | NE dustrak showed some high readings around 2:45 p.m. Key informed the contractor and the water was sprayed to control the dust. |
| Problems Encountered: Measures taken: | |
| Other notes: | PID in unit NW started working later (6:30), because of some battery problem in the modem.<br>No NW Dustrak , waiting for the new one from FEI. |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **12/21/2011, JK** |
| Prevailing wind direction: | SW– blowing from South West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Southwest (units 10 &15), |
| Downwind Stations: | West (units 6 &11), Northeast (units 8 &14), Southeast (units 9 & 13), Northwest (Stations 7 & 12) |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: | No data for Dustrak in SE unit due to modem problem,(no transmission). |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **12/22/2011, JP** |
| Prevailing wind direction: | NW– blowing from North West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northwest (Stations 7 & 12) , |
| Downwind Stations: | West (units 6 &11), Southwest (units 10 &15), Northeast (units 8 &14), Southeast (units 9 & 13), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: Other notes: | SE PID showed high reading, checked the area with alternative PID, no readings, changed the water trap in PID, back to zero. |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **12/23/2011, JP** |
| Prevailing wind direction: | NW– blowing from North West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-12:30 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northwest (Stations 7 & 12) , |
| Downwind Stations: | West (units 6 &11), Southwest (units 10 &15), Northeast (units 8 &14), Southeast (units 9 & 13), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: | |
| Measures taken: | None |
| Hits on Dusttrak above CAL: | |
| Measures taken: | None |
| Problems Encountered: | SE PID showed high reading immediately upon start-up, checked the area with alternative PID, no readings, and changed the PID at 644. Chamtron started working (demo) at 7:00. |
| Measures taken: | |
| Other notes: | Mike Waltman (FEI) on site to un-install the stations for the security reason during the holidays. |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **01/03/2012, JK** |
| Prevailing wind direction: | NW– blowing from North West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | ---------- |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | ---------- |
| Downwind Stations: | ---------- |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: | |
| Measures taken: | None |
| Hits on Dusttrak above CAL: | |
| Measures taken: | None |
| Problems Encountered: | NO amp, Mike Waltman (FEI) on site to install the stations. |
| Measures taken: | |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **01/04/2012, JK** |
| Prevailing wind direction: | NW– blowing from North West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northwest (Stations 7 & 12) , |
| Downwind Stations: | West (units 6 &11), Southwest (units 10 &15), Northeast (units 8 &14), Southeast (units 9 & 13), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: | None. |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **01/05/2012, JK** |
| Prevailing wind direction: | NW– blowing from North West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northwest (Stations 7 & 12) , |
| Downwind Stations: | West (units 6 &11), Southwest (units 10 &15), Northeast (units 8 &14), Southeast (units 9 & 13), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: | None. |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **01/06/2012, JK** |
| Prevailing wind direction: | SW– blowing from South West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Southwest (units 10 &15), |
| Downwind Stations: | West (units 6 &11), Northeast (units 8 &14), Southeast (units 9 & 13), Northwest (Stations 7 & 12) , |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: | None. |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **01/07/2012, JK** |
| Prevailing wind direction: | W– blowing from West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northwest (Stations 7 & 12) , |
| Downwind Stations: | West (units 6 &11), Northeast (units 8 &14), Southeast (units 9 & 13), Southwest (units 10 &15), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: | None. |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **01/09/2012, JK** |
| Prevailing wind direction: | SE– blowing from South East |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Southeast (units 9 & 13), |
| Downwind Stations: | West (units 6 &11), Northeast (units 8 &14), Southwest (units 10 &15), Northwest (Stations 7 & 12) , |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: | None |
| Measures taken: | None |
| Hits on Dusttrak above CAL: | None |
| Measures taken: | None |
| Problems Encountered: | None. |
| Measures taken: | |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **01/10/2012, JK** |
| Prevailing wind direction: | NW– blowing from North West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northwest (Stations 7 & 12) , |
| Downwind Stations: | West (units 6 &11), Southwest (units 10 &15), Northeast (units 8 &14), Southeast (units 9 & 13), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: | None. |
| Other notes: | |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **01/11/2012, JK** |
| Prevailing wind direction: | SE– blowing from South Eest |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Southeast (units 9 & 13), |
| Downwind Stations: | West (units 6 &11), Southwest (units 10 &15), Northeast (units 8 &14), Northwest (Stations 7 & 12) |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: Other notes: | None. |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **01/12/2012, JK** |
| Prevailing wind direction: | E– blowing from East |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Southeast (units 9 & 13), |
| Downwind Stations: | West (units 6 &11), Southwest (units 10 &15), Northeast (units 8 &14), Northwest (Stations 7 & 12) |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: Other notes: | None. |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **01/13/2012, JK** |
| Prevailing wind direction: | NW– blowing from North West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northwest (Stations 7 & 12) |
| Downwind Stations: | West (units 6 &11), Southwest (units 10 &15), Northeast (units 8 &14), Southeast (units 9 & 13), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: | |
| Other notes: | None. |

# Air Monitoring Program
# PRG Daily Record

| | |
|---|---|
| Date: | **01/14/2012, JK** |
| Prevailing wind direction: | NW– blowing from North West |
| Work Zones: | Zone 1- Demo Trk 2 |
| Monitoring Duration: | 6:00-17:00 |
| Total # of monitoring stations active/functional: | 5 (5 dusttracks & 5 ppb Rae) |
| Upwind Stations: | Northwest (Stations 7 & 12) |
| Downwind Stations: | West (units 6 &11), Southwest (units 10 &15), Northeast (units 8 &14), Southeast (units 9 & 13), |
| Did wind change more than 30 deg over the monitoring period/work hours: | No |
| Stations moved, if wind changed: | N/A |
| Hits on PPb above DAL: Measures taken: | None |
| Hits on Dusttrak above CAL: Measures taken: | None |
| Problems Encountered: Measures taken: Other notes: | None. |

# CLEAN FILL CERTIFICATION

I certify that the following material meets the New Jersey Department of Environmental Protection's definition of "Clean Fill" at N.J.A.C. 7:26-1.4 (Definitions).

***Material:*** 3/8 inch crushed aggregate meeting the requirements for New Jersey Department of Transportation (NJDOT) No. 8 aggregate per NJDOT specifications (latest edition).

***Supplier:*** Weldon Quarry Co., LLC
141 Central Avenue
Westfield, NJ 07849-2189
(908) 233-444

***Source:*** Weldon Quarry Co., LLC
Hopatcong Quarry
Route 181
Hopatcong, Sussex County, NJ
Block 1, Lot 70001

***Attachments:*** See attached certification from Weldon Materials, Inc.

I certify under penalty of law that I have personally examined and am familiar with the information contained in this certification including all attachments thereto, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete.

Key Environmental, Inc.
200 Third Avenue
Carnegie, PA 15106

Greg W. Banner, P.E.
New Jersey Professional Engineer
No. GE 37216

Date: 3-23-10

EMBOSSED SEAL

STATE OF NEW JERSEY
GREG WILLIAM BANNER
No. GE37216
LICENSED
PROFESSIONAL ENGINEER

# WELDON MATERIALS, INC.

**ENGINEERING DIVISION - TECHNICAL SERVICES**
141 CENTRAL AVENUE, WESTFIELD, NJ 07090
(908) 233-4444 ext. 2288 FAX (908) 233-4215


March 16, 2010

Contractor: MADDOX MATERIALS, INC.
Fax: (732) 251-0461

Attn: Paul

Reference: SCCC & Diamond Shamrock
Kearny, N.J.

Material(s): 3/8" STONE

To whom it may concern:

We certify that the aggregates to be purchased for the project in reference are produced by Weldon Quarry Company, from sources of virgin granite indigenous to the region. These aggregates are free from contamination when stockpiled at our quarry in Hopatcong, New Jersey.

Our Quarry is located at:

Route 181
Hopatcong, NJ
Sussex County.
Block #: 1, Lot #: 70001

Sincerely,

RICARDO AROCHA
TECHNICAL SERVICES

# CLEAN FILL CERTIFICATION

I certify that the following material meets the New Jersey Department of Environmental Protection's definition of "Clean Fill" at N.J.A.C. 7:26-1.4 (Definitions).

***Material:*** 1 1/2 inch aggregate meeting the requirements for New Jersey Department of Transportation (NJDOT) No. 4 aggregate per NJDOT specifications (latest edition).

***Supplier:*** Tilcon New York Inc.
625 Mt. Hope Road
Wharton, NJ 07885
(908) 325-0043

***Source:*** Tilcon-NY
Mt. Hope Quarry
625 Mount Hope Road
Wharton Borough, Morris County, NJ
Block 20001-Lot 6.01

***Attachments:*** See attached certification from Tilcon-NY.

I certify under penalty of law that I have personally examined and am familiar with the information contained in this certification including all attachments thereto, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete.

WRScompass inc.
92 N Main Street
Windsor, New Jersey 08561

Thomas L. McCracken, P.E.
New Jersey Professional Engineer
No. GE 36928

EMBOSSED SEAL

Date: 7/13/10

APPROVED
caz 7/15/10

**TILCON-NY** **Mt. Hope Quarry** Fax 973-659-3978

625 Mount Hope Rd. • Wharton, N.J. 07946 • 973-366-7741

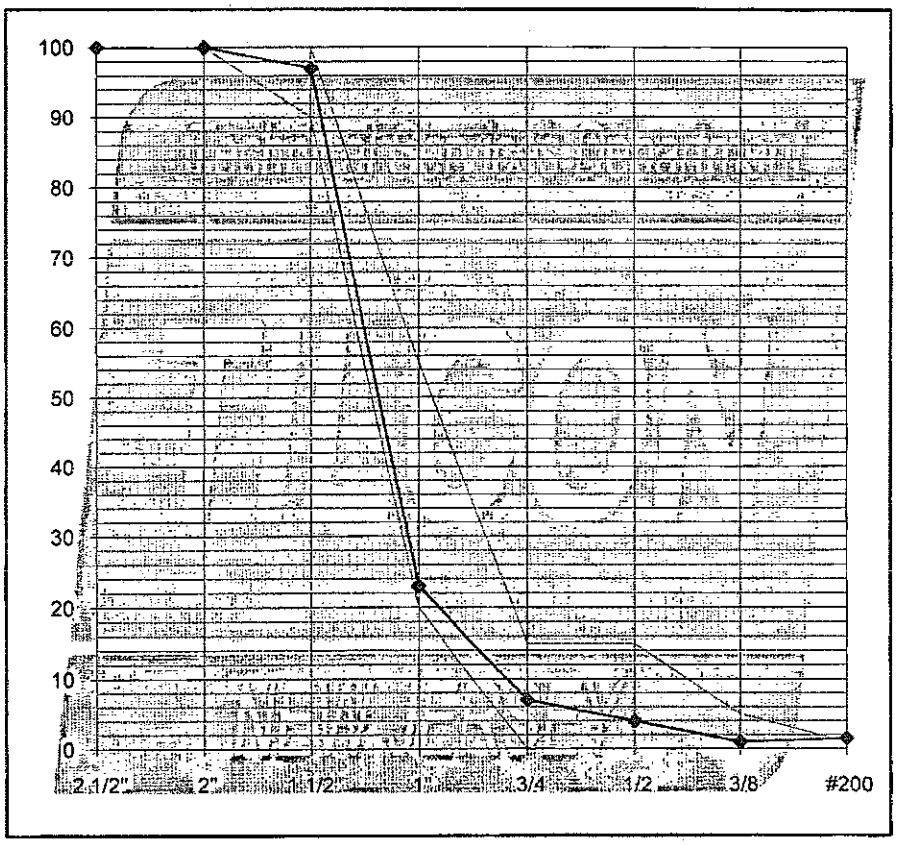
# Typical Gradation,#4 ( 1 1/2" clean )

| Project |
|---|
| |

| Contractor |
|---|
| WRS |

| | |
|---|---|
| Sp. Gr | 2.68 |
| Loose | 95.1 |
| Rodded | 106.2 |

| | Typical | Prod. Target | |
|---|---|---|---|
| 2 1/2" | 100 | 100 | 100 |
| 2" | 100 | 100 | 100 |
| 1 1/2" | 97 | 90 | 100 |
| 1" | 23 | 20 | 55 |
| 3/4 | 7 | | 15 |
| 1/2 | 4 | | 15 |
| 3/8 | 1 | | 5 |
| #200 | 1.5 | | 1 |




Tilcon Inc confirms that #4 ( 1 1/2" clean ) available at Mt. Hope Quarry conforms to section 901 of the ***New Jersey Department of Transportation StandardSpecifications for Road and Bridge Construction.*** The material is defined as virgin Gneiss mined at Mt. Hope Quarry, 625 Mount Hope Road, Block 20001-Lot 6.01 Wharton Borough, Morris County NJ. The material is identified on the job with Tilcon delivery tickets.

The unit weights and voids are for process control and should be verified by the contractor before use.

# T. Fiore

RECYCLING CORPORATION

411 Wilson Avenue
Newark, New Jersey 07105

Tel.: (973) 589-3366
FAX: (973) 465-7357

Date : October 27, 2011

Reference: **Material Certification---RCA**

Project: 1015 Belleville Tpk. Kearny, NJ

Attention: B&B Wrecking, ATAK Trucking, Inc., Chem Tron Corp.

To whom it may concern:

Please be advised hereby certifies that the 2 1/2" clean recycled stone processed at our facility and supplied to the above referenced location is a clean commercial fill that is not made from solid waste, nor is it generated from a contaminated site. T. Fiore is a licensed NJDEP Class B Recycling Facility and our license # is 07140014447 . Any further questions or comments, please contact our office. Thank you.

Dennis Dannenfelser Jr.

Operations Supervisor

Carthage Mills **Product Data**

# FX®–100HS(E)

Carthage Mills' FX®–100HS(E) is a multipurpose nonwoven geotextile of 100% polypropylene staple fibers which are formed into a random network, needlepunched and heatset for dimensional stability. Carthage Mills' FX®–100HS(E) is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

The Carthage Mills FX®–HS(E) series of nonwoven geotextiles designates "Mass Per Unit Area" or "Weight Per Square Yard" as a true Minimum Value.

| PROPERTY | TEST METHOD | DATA | |
|---|---|---|---|
| | | METRIC | ENGLISH |
| ☐ **Mechanical** | | | |
| Grab Tensile Strength | ASTM D 4632 | 1.20 kN | 270 lbs |
| Grab Tensile Elongation | | 50% | |
| Mullen Burst | ASTM D 3786 | 3447 kPa | 500 psi |
| Trapezoidal Tear | ASTM D 4533 | 0.45 kN | 100 lbs |
| Puncture | ASTM D 4833 | 0.71 kN | 160 lbs |
| CBR Puncture | ASTM D 6241 | 3.23 kN | 725 lbs |
| ☐ **Endurance** | | | |
| UV Resistance | ASTM D 4355 | 70% @ 500 hrs | |
| ☐ **Hydraulics / Filtration** | | | |
| Permittivity (1) | ASTM D 4491 | 1.2 $sec^{-1}$ | |
| Water Flow Rate (1) | | 3463 $lpm/m^2$ | 85 $gpm/ft^2$ |
| Permeability (1) | | 0.25 cm/sec | |
| Apparent Opening Size (AOS) (1) | ASTM D 4751 | 0.150 mm | 100 US Std. Sieve |
| ☐ **Physical** | | | |
| Mass Per Unit Area (Minimum) | ASTM D 5261 | 339 $g/m^2$ | 10.0 $oz/yd^2$ |
| Thickness (Typical) | ASTM D 5199 | 2.79 mm | 110 mils |
| Standard Roll Sizes / Roll Area / Weight | Measured (Typical) | 4.57 m. x 91.5 m.<br>418Sq. Meters<br>169 Kg. | 15 ft. x 300 ft.<br>500 Sq. Yards<br>372 lbs. |

(1) At the time of manufacturing. Handling, storage and shipping may change these properties.

- Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV), are calcu standard deviations and are based on a 97.7% confidence level.
- The properties reported above are effective 01/05/09 and are subject to change without notice.

☐ APPROVED ☒ APPROVED AS NOTED
☐ NO ACTION ☐ DISAPPROVED
☐ REJECTED ☐ RESUBMIT

Submittal Review is only for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Any action shown is subject to the requirements of the Drawings and Technical Specifications. Contractor is responsible for: dimensions which shall be confirmed and correlated at the job site, fabrication processes and techniques of construction, coordination of his Work with that of all other trades and the satisfactory performance of his Work.

KEY ENVIRONMENTAL, INC

Date: 1/11/11 By: caz

Seller makes no warranty, expressed or implied, concerning the product furnished hereunder other than at the time specification stated herein. Any implied warranty of fitness for a particular purpose is expressly excluded, and, to the sentence, any implied warranty of merchantability is expressly excluded. Any recommendations made by seller concernin are believed reliable and seller makes no warranty of results to be obtained. If the product does not meet Carthage Mills customer gives notice to Carthage Mills before installing the product, then Carthage Mills will replace the product without

4243 Hunt Road
Cincinnati, OH 45242
www.carthagemills.com
www.gxgeogrids.com

513-794-1600 TELEPHONE
800-543-4430 TOLL FREE
513-794-3434 FACSIMILE
info@carthagemills.com

Since 1958: America's *Fir*

Carthage Mills | Certificate of Analysis

To: IWT

**Product: FX-100HS**
**Project: WRSCompass; Standard Chlorine Site, Kearny NJ**
**13 rolls delivered 12/2/11**

Following is test data for the 13 rolls shipped to the above referenced jobsite.

| Finished Roll Number | Date Tested | Grab Tensile ASTM D4632 (lbs) | Grab Elong ASTM D4632 (%) | Trap Tear ASTM D4533 (lbs) | Puncture ASTM D4833 (lbs) | CBR Puncture ASTM D6241 (lbs) | AOS ASTM D4751 (U.S. sieve) | Water Flow Rate ASTM D4491 gpm/ft2 | Permittivity ASTM D4491 (sec-1) |
|---|---|---|---|---|---|---|---|---|---|
| 8121472 | 10/2/11 | 260 | 82 | 106 | 164 | 860 | 100 | 130 | 1.8 |
| 8121473 | 10/2/11 | 260 | 82 | 106 | 164 | 860 | 100 | 130 | 1.8 |
| 8121474 | 10/2/11 | 260 | 82 | 106 | 164 | 860 | 100 | 130 | 1.8 |
| 8121477 | 10/2/11 | 260 | 82 | 106 | 164 | 860 | 100 | 130 | 1.8 |
| 8121479 | 10/2/11 | 260 | 82 | 106 | 164 | 860 | 100 | 130 | 1.8 |
| 8121480 | 10/2/11 | 260 | 82 | 106 | 164 | 860 | 100 | 130 | 1.8 |
| 8121481 | 10/2/11 | 265 | 73 | 109 | 171 | 907 | 100 | 130 | 1.8 |
| 8121482 | 10/2/11 | 265 | 73 | 109 | 171 | 907 | 100 | 130 | 1.8 |
| 8121483 | 10/2/11 | 265 | 73 | 109 | 171 | 907 | 100 | 130 | 1.8 |
| 8102604 | 8/4/11 | 305 | 68 | 122 | 180 | 829 | 100 | 136 | 1.9 |
| 8102606 | 8/4/11 | 305 | 68 | 122 | 180 | 829 | 100 | 136 | 1.9 |
| 8102569 | 8/4/11 | 305 | 68 | 122 | 180 | 829 | 100 | 136 | 1.9 |

Carthage Mills

James Paulsen
12-2-11

4243 Hunt Road
Cincinnati, OH 45242
www.carthagemills.com
www.gxgeogrids.com

513-794-1600 TELEPHONE
800-543-4430 TOLL FREE
513-794-3434 FACSIMILE
info@carthagemills.com