BOW
ENVIRONMENTAL
SOLUTIONS INC.

By Federal Express

March 2, 2011

U.S. Environmental Protection Agency
290 Broadway, 19th Floor
New York, New York 10007-1866
Attn: Anne Kelly

U.S. Environmental Protection Agency
2890 Woodbridge Avenue
Building 209 (MS-211)
Edison, New Jersey 08837-3679
Attn: Andrew Confortini

NYS Department of Environmental Conservation, Region 6
Division of Environmental Remediation
317 Washington Street
Watertown, New York 13601-3787
Attn: Peter S. Ouderkirk, P.E., Environmental Engineer

Re: Administrative Order Index No. CERCLA-02-2010-2027
General Motors Corporation – Central Foundry Division Superfund Site (the "Site")
Massena, New York, St. Lawrence County

Ms. Kelly, Mr. Confortini and Mr. Ouderkirk:

Pursuant to the Revised Phase 1 Site Operating Plan (SOP) submitted to EPA on January 14, 2011, please find attached Contractor Submittals for the planned pre-demolition activities at the above-referenced site. The following submittals were provided to Motors Liquidation Company (MLC) by Brandenburg Industrial Services Company, and have been reviewed by ARCADIS for conformance with the SOP and Unilateral Administrative Order (UAO):

- MA0481 0001.3 and 4 Electrical Submittals
- MA0481 0002.1 and 2 ACM Variance Submittals
- MA0481 0003.1 rev 2 ACM Work Plan Submittal
- MA0481 0003.2 ACM Work Plan Submittal
- MA0481 0006 No. 2 Stone Submittal
- MA0481 0010 Hymax Couplings Submittal
- MA0481 0015 Barrett Paving Source Submittal
- MA0481 0016 Sediment Fiber Roll Submittal
- MA0481 0017 Geotextile Fabric Submittal
- MA0481 0105 Casella Waste Recycling Facility Submittal
- MA0481 0106 DANC Landfill Facility Submittal

534090

- MA0481 0107 Industrial Oil Tank Services Submittal
- MA0481 0108 American Lamp Recycling Submittal

Copies of the reviewed submittals are presented in Attachment 1.

Please let me know if you have any questions regarding these enclosures.

Sincerely,

Pamela L. Barnett

Pamela L. Barnett
BOW Environmental Solutions, Inc. on behalf of MLC

Attachments: 1

Massena Removal Program Distribution List

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2 copies (1 hard copy and 1 electronic copy):

Emergency and Remedial Response Division
U.S. Environmental Protection Agency, Region II
290 Broadway, 19th Floor
New York, New York 10007-1866
Attn: Anne Kelly

---

1 hard copy

U.S. Environmental Protection Agency
2890 Woodbridge Avenue
Building 209 (MS-211)
Edison, New Jersey 08837-3679
Attn: Andrew Confortini

---

2 copies (1 hard copy and 1 electronic copy):

New York State Department of Environmental Conservation
317 Washington Street
Watertown, New York 13601-3787
Attn: Peter S. Ouderkirk, P.E.

All Reports and Government Correspondence:

James M. Redwine, Esq. (send via first class mail)
Motors Liquidation Company
401 S Old Woodward Avenue, Suite 370
Birmingham, MI 48009

Raymond M. Kapp
ARCADIS
One International Boulevard, Suite 406
Mahwah, New Jersey 07495

ARCADIS

Attachment 1

Reviewed Submittals

MA0481 0001.3 and 4 Electrical Submittals

ARCADIS

Infrastructure · Water · Environment · Buildings

Submittal Review Form

ARCADIS of New York, Inc.
6723 Towpath Road
P.O. Box 66
Syracuse
New York 13214-0066
Tel 315.446.9120
Fax 315.449.0017

Client:
Motors Liquidation Company

Contractor:
Brandenburg Industrial Services Corporation

Project:
Massena, NY

ENVIRONMENT

Contact:
Margaret Carrillo-Sheridan, P.E.
Phone Number:
315.671.9167

Submittal Number:
MA0481-001 Rev 3
MA0481-001 Rev 4

Submittal Description:
Electrical Submittals

Review Code:

- ☐ R Reviewed
- ☒ N Reviewed and Noted
- ☐ S Resubmit
- ☐ J Rejected
- ☐ I For Your Information

ARCADIS Notes:

1. Additional ground is not required if the building ground is determined to be in good condition. Brandenburg shall provide documentation that existing building ground has been evaluated by their qualified subcontractor and determined to be adequate.
2. Transformer pad is required as shown on Drawing E-4. Concrete mix and placement specifications provided on Cable Tray Pedestal and Foundation Design Drawing S-1 (attached) shall be followed for pad installation. All other reinforcement as shown on Drawing E-4 shall be installed as specified.

Margaret A. Carrillo-Sheridan, P.E.

March 1, 2011
Date

DESIGN AND CODE INFORMATION

1. ALL CONSTRUCTION SHALL CONFORM TO THE NEW YORK STATE BUILDING CODE, 2010 EDITION.
2. VERIFY EXISTING CONDITIONS AND DIMENSIONS AND NOTIFY ENGINEER OF ANY CONDITIONS WHICH DO NOT COMPLY WITH PLANS AND SPECIFICATIONS. STRUCTURAL DRAWINGS MUST BE COORDINATED WITH OTHER DISCIPLINE DRAWINGS.
3. DO NOT SCALE STRUCTURAL DRAWINGS.
4. WIND LOADS:
   BASIC WIND SPEED: 90 MPH
   WIND IMPORTANCE FACTOR: 1.15
   WIND EXPOSURE CATAGORY: C
   BUILDING CATAGORY: II
5. SEISMIC LOADS:
   SEISMIC IMPORTANCE FACTOR: 1.25
   SEISMIC USE GROUP: II
   SPECTRAL RESPONSE ACCELERATIONS: S_S= 0.60, S_1= 0.12
   SITE CLASS: D
   SPECTRAL RESPONSE COEFFICIENTS: S_{DS} = 0.528, S_{d1} = 0.185
   SEISMIC DESIGN CATEGORY: D
   ANALYSIS PROCEDURE: EQUATIONS 13.3-1, 2 & 3 (ASCE 7-05)
6. SNOW LOADS:
   GROUND SNOW LOAD: 70 psf
   SNOW IMPORTANCE FACTOR: 1.10
   ANALYSIS PROCEDURE: ASCE 7-05 SECTION 6.5.15
7. ICE LOADS:
   ICE IMPORTANCE FACTOR: 1.25
   WEIGHT OF ICE: 56 pcf
   t: 1.25"
   ANALYSIS PROCEDURE: ASCE 7-05 CHAPTER 10

FOUNDATION NOTES

1. ALLOWABLE SOIL BEARING USED FOR FOUNDATION DESIGN IS 1500 PSF. (MAXIMUM ALLOWABLE BEARING PRESSURE ALLOWED IN CHAPTER 18 OF 2010 NEW YORK STATE BUILDING CODE WHEN NO EXISTING SOIL INFORMATION IS AVAILABLE.)

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE AISC "MANUAL OF STEEL CONSTRUCTION ALLOWABLE STRESS DESIGN" THIRTEENTH EDITION.
2. STRUCTURAL STEEL (EXCEPT WIDE FLANGES) SHALL BE ASTM A-36.
3. STRUCTURAL TUBING SHALL BE ASTM A500, GRADE B.
4. STRUCTURAL PIPE SHALL BE ASTM A53, GRADE B.
5. STEEL FRAMING CONNECTIONS SHALL BE BOLTED OR WELDED. BOLTS SHALL BE 3/4 INCH DIAMETER MINIMUM AND SHALL BE ASTM A-325-N, UNLESS NOTED OTHERWISE.
6. PREPARE ALL STRUCTURAL STEEL SURFACES IN ACCORDANCE WITH SSPC SP-6. SHOP PRIME ALL STRUCTURAL STEEL MEMBERS. DO NOT PRIME SURFACES THAT WILL BE FIELD-WELDED OR IN CONTACT WITH CONCRETE.
7. PAINTING REQUIREMENTS: PRIME COAT: DURA-PLATE 235 MULTI-PURPOSE EPOXY B67-235 B67V235 HARDENER (4-6 MILS). FIRST COAT: DURA-PLATE 235 MULTI-PURPOSE EPOXY B67-235 B67V235 HARDENER (4-6 MILS). SECOND COAT: HI-SOLIDS POLYURETHANE B65-300 SERIES COLOR, B60V30 HARDENER (3-4 MILS). FINAL DFT 11-16 MILS. ALL MILS LISTED ARE DRY MILS. ALL PAINTING PRODUCTS LISTED ARE MANUFACTUERED BY SHERWIN-WILLIAMS (SW) COMPANY.
8. THE FABRICATOR'S DRAWINGS SHALL SHOW WELDS AND THEY SHALL CONFORM TO AWS D1.1 SPECIFICATIONS. ALL WELDING SHALL BE DONE WITH E-70 SERIES ELECTRODES.

ADHESIVE ANCHORS:

MANUFACTURERS:
1. HILTI CORPORATION, HIT-RE 500 SD.
2. OR AS APPROVED.

A. INJECTABLE TWO-COMPONENT EPOXY ADHESIVE.
B. THREADED ROD TO BE ASTM F593, CW STAINLESS.
C. ADHESIVE ANCHORAGE SYSTEM SHALL BE SEISMIC QUALIFIED PER IBC 2009.
D. ADHESIVE ANCHORAGE SYSTEM SHALL MEET REQUIREMENTS OF ASTM C881-90, TYPE IV, GRADE 2 AND 3, CLASS A, B, C EXCEPT GEL TIMES.

REINFORCED CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318-05) (ACI 350).
2. REINFORCING STEEL SHALL BE DEFORMED BARS ASTM A-615 (GRADE 60).
3. THE COMPRESSIVE STRENGTH AT 28 DAYS OF ALL CAST IN PLACE CONCRETE SHALL BE 4000 PSI.
4. LAP SPLICES FOR REINFORCING BARS SHALL BE CLASS B IN ACCORDANCE WITH ACI 318-05, UNLESS NOTED OTHERWISE.
5. CLEAR CONCRETE COVER FOR REINFORCING STEEL:
   FOOTINGS: 2" FORMED EDGES
   3" CAST AGAINST GROUND
6. CONSOLIDATE CONCRETE PER ACI 301-05 SECTION 5.3.2.5.
7. CONCRETE MATERIALS AND ADMIXTURES
   CEMENT: ASTM C150, TYPE I NORMAL PORTLAND TYPE.

   FINE AND COARSE AGGREGATES: ASTM C33 (NORMAL WEIGHT AGGREGATE): MATERIALS CONTAINING DELETERIOUS SUBSTANCES (SPALLING CAUSING) ARE NOT ACCEPTABLE.

   WATER: CLEAN AND NOT DETRIMENTAL TO CONCRETE.

   AIR ENTRAINMENT: ASTM C260; MASTER BUILDERS (BASF CONSTRUCTION CHEMICALS) MICRO-AIR, OR AS APPROVED.

   CHEMICAL: ASTM C494 TYPE A - WATER-REDUCING, TYPE B RETARDING, TYPE D - WATER-REDUCING AND RETARDING, TYPE F - WATER-REDUCING, HIGH RANGE, TYPE G - WATER-REDUCING, HIGH RANGE AND RETARDING; CONTAINING NO CHLORIDES; MASTER BUILDERS (BASF CONSTRUCTION CHEMICALS), W.R. GRACE, OR AS APPROVED.

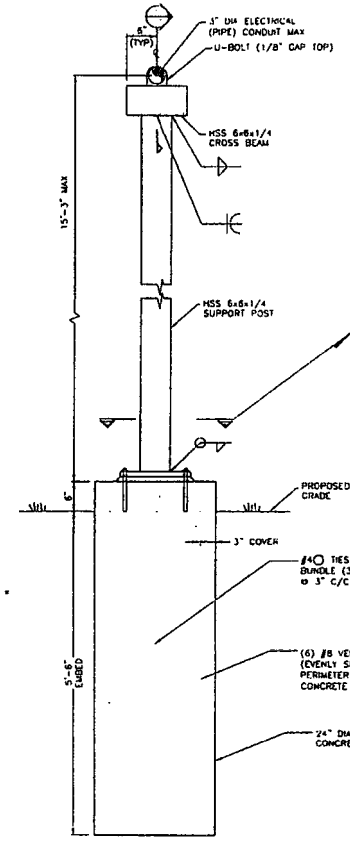
   FLY ASH: ASTM C618 CLASS F OR C; LOSS ON IGNITION LESS THAN 3 PERCENT.

   MEMBRANE CURING COMPOUND: ASTM C309, TYPE 1-D, CLASS B, CLEAR WITH FUGITIVE DYE WHICH DISAPPEARS APPROXIMATELY 24 HOURS AFTER EXPOSURE TO SUNLIGHT; SPRAY-CURE SAFE CURE CLEAR, EUCLID CHEMICAL COMPANY KUREZ DR, OR AS APPROVED. WET CURING CONCRETE MAY BE SUBSTITUTED FOR CURING COMPOUND.
8. CONCRETE MIX
   CONCRETE PROPORTIONS: COMPLY WITH ACI 301, 4.2.

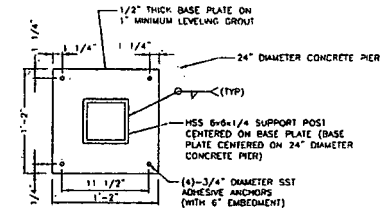
   CLASS I CONCRETE: PROVIDE CONCRETE TO THE FOLLOWING CRITERIA:
   COMPRESSIVE STRENGTH (7 DAY): 3,200 PSI.
   COMPRESSIVE STRENGTH (28 DAY): 4,000 PSI.
   WATER/CEMENT RATIO (MAXIMUM): 0.45 BY WEIGHT.
   AIR ENTRAINED: 6 PERCENT, +1 PERCENT.
   FLY ASH CONTENT: MAXIMUM 25 PERCENT OF CEMENT CONTENT.
   SLUMP (MAXIMUM): 3 INCHES (DUE TO WATER).
   MID OR HIGH RANGE WATER REDUCER: ADD AT SITE TO INCREASE SLUMP TO 6 INCHES ±1 1/2 INCHES.

ABBREVIATIONS USED IN DRAWINGS:

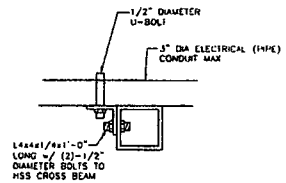
@	AT
ACI	AMERICAN CONCRETE INSTITUTE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
℄	CENTERLINE
C/C	CENTER TO CENTER
CONC	CONCRETE
DIA	DIAMETER
MAX	MAXIMUM
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
STL	STEEL
SST	STAINLESS STEEL
T/	TOP
TYP.	TYPICAL
VERT	VERTICAL
W/	WITH



CABLE TRAY PEDESTAL AND FOUNDATION DETAIL



BASE PLATE DETAIL #2



SECTION A

NOTES:

1. ALL STRUCTURAL STEEL SHAPES AND U-BOLTS TO BE PRIMED AND PAINTED.
2. EXPANSION ANCHORS TO BE STAINLESS STEEL.
3. CABLE TRAY PEDESTALS TO BE PROVIDED ALONG THE LENGTH OF ELECTRICAL CONDUITS AT A SPACING NO MORE THAN 15'-0" C/C. CABLE TRAY PEDESTAL DESIGNED FOR (1)-3" DIAMETER ELECTRICAL CONDUIT CENTERED ON HSS 6x6x1/4" POST.

Rev.	Date	Revisions	By	Chk

THIS DRAWING IS THE PROPERTY OF THE ARCADIS ENTITY IDENTIFIED IN THE TITLE BLOCK AND SHALL NOT BE REPRODUCED OR ALTERED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE

Professional Engineer's Seal
Professional Engineer's No.
Date Issued
Project No.
Designed by MSL
Drawn by MSL
Checked by AAH

ARCADIS
ARCADIS OF NEW YORK, INC.

CENTRAL FOUNDRY SUPERFUND SITE • HUNTSVILLE, NEW YORK
SITE OPERATING PLAN #1 - GM PLANT WORK PLAN

CABLE TRAY PEDESTAL AND FOUNDATION

ARCADIS Project No. B0050061.0002.00219
Date FEBRUARY 2011
ARCADIS 6723 Towpath Road P.O. Box 66 Syracuse, New York Tel 315.445.9126

S-1

Brandenburg® Industrial Service Company
2217 Spillman Drive
Bethlehem, Pennsylvania 18015-1982
Phone (610) 691-1800
FAX (610) 691-4200

Brandenburg®

www.Brandenburg.com

SUBMITTAL COVER SHEET

PROJECT: *MLC Massena Power Train MAS-100-AP*

OWNER: *Motors Liquidation Corporation*

IQAT: *Margaret Carrillo-Sheridan (ARCADIS)*

Engineer: *ARCADIS*

Brandenburg Submittal No.: MA0481-0001 **Project Code: MA0481**
Revision No.: 0003

Electrical Response to Arcadis Review dated 2/11/11 Notes 2 & 3

This document has been reviewed, coordinated and checked for accuracy of content and for compliance with the Contract Documents. The information contained herein has been coordinated with all applicable contractors, and is hereby submitted for approval.

Submitted by: *Jason GaNun* Date: February 21, 2011
Eric Ahlgren-Jason GaNun | Project Manager | Brandenburg

Review Status:
No Exceptions Taken _____ Approved as Noted _____ Revise & Resubmit _____ Rejected _____

Approved by:_____ Date: _____

Comments:

The attached letter was received from S&L Electric regarding the NEC requirements clarifications with regard to the Substation #3 foundation pad and grounding rods.

S&L electric
Electrical Service and Contracting

February 21, 2011

Brandenburg Industrial Service Co.
2217 Spillman Drive
Bethlehem, PA 18015-1982

Attention: Jason GaNun

PROJECT: Electrical Relocations Involved
With Demolition of Massena
General Motors Plant

Mr. GaNun:

Per the NEC, a concrete pad is not required for the relocated Sub #3.

Also per the NEC, grounding Sub #3 to the building steel is all that is required: installation of remote ground rods is not required.

Respectfully,

Leo J. Villeneuve
President

LJV:sh

5313 State Hwy 56
Colton, NY 13625

T. 315-262-2631
F. 315-262-2639

email: info@slelectric.com

Brandenburg, Industrial Service Company
2217 Spillman Drive
Bethlehem, Pennsylvania 18015-1982
Phone (610) 691-1800
FAX (610) 691-4200

Brandenburg®

www.Brandenburg.com

SUBMITTAL COVER SHEET

PROJECT: ***MLC Massena Power Train MAS-100-AP***

OWNER: ***Motors Liquidation Corporation***

IQAT: ***Margaret Carrillo-Sheridan (ARCADIS)***

Engineer: ***ARCADIS***

Brandenburg Submittal No.: MA0481-0001 **Project Code: MA0481**
Revision No.: 0004

Electrical Response to Arcadis Review dated 2/11/11 Note 1

This document has been reviewed, coordinated and checked for accuracy of content and for compliance with the Contract Documents. The information contained herein has been coordinated with all applicable contractors, and is hereby submitted for approval.

Submitted by: Jason GaNun **Date:** February 28, 2011
Eric Ahlgren-Jason GaNun | Project Manager | Brandenburg

Review Status:
No Exceptions Taken ____ Approved as Noted X Revise & Resubmit ____ Rejected ____

Approved by: MATT LOTYCZ **Date:** 3/1/11

Comments:

Concrete mix and source for the duct bank concrete.

GRAYMONT

GRAYMONT MATERIALS (NY) INC.

CORPORATE OFFICE
111 Quarry Road
PO Box 69
Plattsburgh, NY 12901-0825
Tel.: 518 561 5321
Fax: 518 561 5867

PLATTSBURGH QUARRY
111 Quarry Road
PO Box 825
Plattsburgh, NY 12901-0825
Tel.: 518 561 5200
Fax: 518 561 5867

SARANAC LAKE QUARRY
Bloomingdale Road
PO Box 927
Saranac Lake, NY 12983
Tel.: 518 891 0236
Fax: 518 891 0567

MALONE QUARRY
Quarry Road
PO Box 457
Bangor, NY 12966
Tel.: 518 483 5640
Fax: 518 483 3089

POTSDAM STONE & CONCRETE
471 West Parishville Road
PO Box 310
Potsdam, NY 13676
Tel.: 315 265 8036
Fax: 315 265 3402

LEWIS QUARRY
Route 9
Lewis, NY 12950
Tel.: 518 873 2275
Fax: 518 873 2457

MASSENA READY MIX
NYSDOT FACILITY # 20122

S & L ELECTRIC

GM

3000 PSI CONCRETE
Duct Bank

CEMENT: LaFarge Portland Type I/II (ASTM C150)	470 lbs. -- 5BAG
FINE AGGREGATE: Washed Sand (ASTM C33)(SSD)	1,624 lbs.
COARSE AGGREGATE: #1 Crushed Granite (ASTM C33 #67)	1,641 lbs.
AIR ENTRAINMENT: Daravair 1000 (ASTM C260)	4.0 ozs.
AIR CONTENT:	5.5% +/- 1.5%
WATER REDUCER: Daracem 55 Type A(ASTM C494)	14.1 ozs.
SLUMP	2" – 4" SLUMP DUE TO WATER ALONE

WATER/CEMENT RATIO = 0.50

LAFARGE CEMENT

Cement Mill Test Report

Month of Issue: February 2011

Plant:	St-Constant, Quebec
Product:	Portland Cement Type I/II (MH)
Silo:	4, 5, 7 and 10
Manufactured:	January 2011

ASTM C 150-09 and AASHTO M 85-09 Standard Requirements

CHEMICAL REQUIREMENTS

	Spec limit	Test Result
Rapid Method, X-Ray *(C 114)*		
SiO2 (%)	---	19.8
Al2O3 (%)	6.0 max	4.5
Fe2O3 (%)	6.0 max	2.8
CaO (%)	---	62.5
MgO (%)	6.0 max	2.5
SO3 (%)*	3.0 max	3.8
Loss on Ignition @ 950°C (%)	3.0 max	2.4
Insoluble residue (%)	0.75 max	na
CO2 (%)	---	1.5
Limestone (%)	5.0 max	4.1
CaCO3 in Limestone (%)	70 min	86.0
Inorganic Process Addition	5.0 max	4.1
Adjusted Potential Phase Composition *(C 150)*		
C3S (%)	---	51
C2S (%)	---	18
C3A (%)	8 max	7
C4AF (%)	---	9
C3S+4.75*C3A (%)	100 max	85
ASTM C 150-09 and AASHTO M 85-09 Optional Chemical Requirements:		
NaEq (%)	0.60 max	0.79

PHYSICAL REQUIREMENTS

	Spec limit	Test Result
Air content of mortar (%) *(C 185)*	12 max	7
Blaine Fineness (m2/kg) *(C 204)*	280 - 430	391
Retained on a 45 µm sieve (%) *(C 430)*	---	6.7
Autoclave expansion (%) *(C 151)*	0.80 max	0.00
Compressive strength (PSI) *(C 109)*		
1 day	---	
3 days	1740 min	4185
7 days	2760 min	4980
28 days **	---	6215
Time of setting (minutes)		
Vicat initial *(C 191)*	45 - 375	155
Heat of Hydration (KJ/Kg, [cal/g]) *(C 186)*		
7 days (for information only)***	290 max	322
Mortar Bar Expansion (%) *(C 1038)**	0.02 max	0.008

* May exceed 3.0% SO3 maximum based on our C 1038 results of <0.02% expansion at 14 days.

**Reflects previous month's data

***The result can be higher than the specification if the C3S+4.75*C3A is lower than 100.

na: not available

We certify that the above described cement, at the time of shipment, meets the chemical and physical requirements of applicable VADOT and NYSDOT Specifications for Type I and Type II(MH);

ASTM C 150-09 & AASHTO M 85-09 STANDARD SPECIFICATIONS FOR TYPE I AND TYPE II(MH) CEMENT;

For additional information on this cement test report, please contact our technical representative David Cannon at (508) 366-9001.

Certified By:

Pascale Poulin

Pascale Poulin - Quality Supervisor
February 15, 2011

Lakes & Seaway BU - St-Constant Plant
1 Chemin Lafarge, St-Constant
Phone: 450-632-7750 #219

GRAYMONT MATERIALS INC.

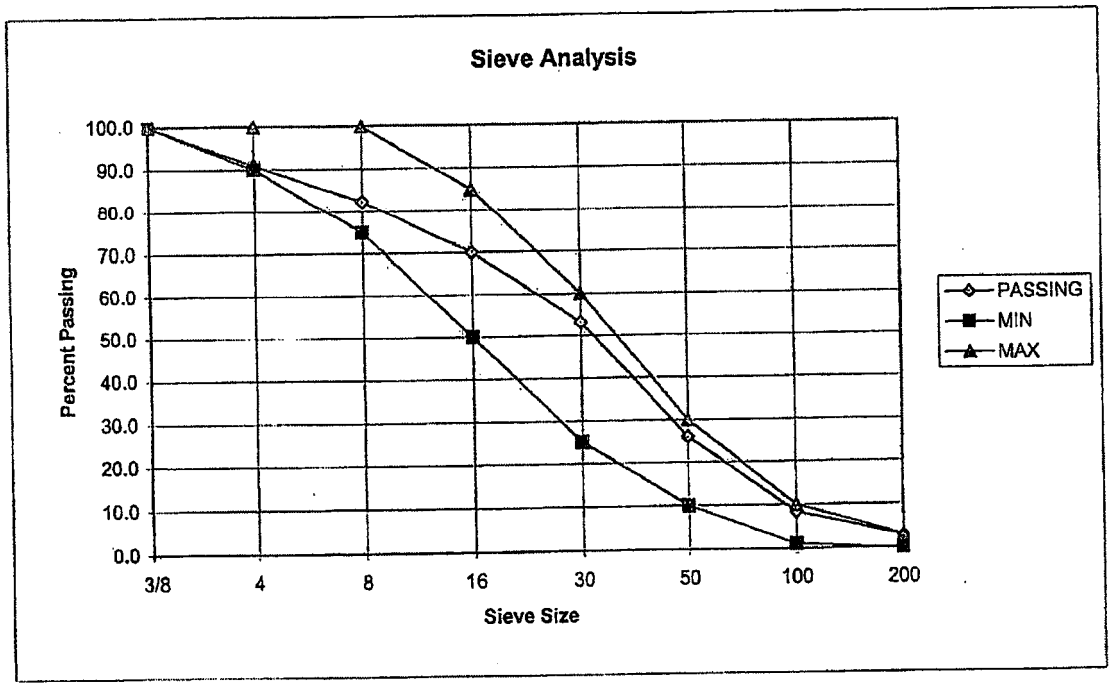
Sieve Analysis

LOCATION: Massena Ready Mix
DATE: 05/13/10

SAMPLE: Concrete Sand
TEST BY: Andy

SIEVE SIZE	WEIGHT RETAINED	PERCENT RETAINED	CUMULATIVE % RETAINED	PERCENT PASSING	REQUIREMENTS MIN	MAX
3/8	0.0	0.0	0.0	100.0	100	100
4	62.9	9.1	9.1	90.9	90	100
8	58.6	8.5	17.6	82.4	75	100
16	85.4	12.4	30.0	70.0	50	85
30	115.6	16.8	46.8	53.2	25	60
50	187.9	27.2	74.0	26.0	10	30
100	121.2	17.6	91.6	8.4	1	10
200	38.2	5.5	97.1	2.9	0	3
PAN	19.8	2.9	100.0	0.0		

TOTAL: 689.6 **FM: 2.69**



Concrete Sand

GRAYMONT MATERIALS INC.

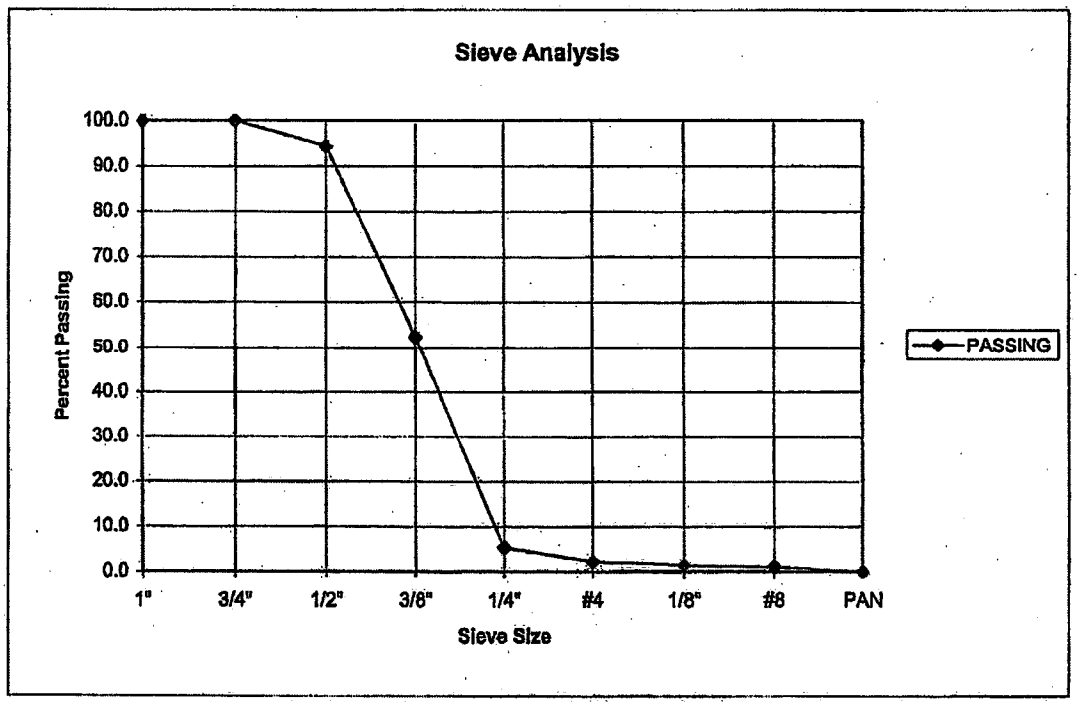
Sieve Analysis

LOCATION: Massena Ready Mix
DATE: 5/13/10

SAMPLE: Stockpile 1's
TEST BY: Andy

SIEVE SIZE	WEIGHT RETAINED	PERCENT RETAINED	CUMULATIVE % RETAINED	PERCENT PASSING	REQUIREMENTS MIN	MAX
1"	0.0	0.0	0.0	100.0		100
3/4"	0.0	0.0	0.0	100.0		
1/2"	401.4	5.6	5.6	94.4	90	100
3/8"	3015.7	42.0	47.6	52.4		
1/4"	3385.2	47.1	94.7	5.3	0	15
#4	219.4	3.1	97.7	2.3		
1/8"	55.3	0.8	98.5	1.5		
#8	28.0	0.4	98.9	1.1		
PAN	78.8	1.1	100.0	0.0		

TOTAL: 7183.8



Grace Concrete Products

GRACE

DARAVAIR® 1000

Air-entraining admixture

ASTM C260

Product Description

Daravair® 1000 is a liquid air-entraining admixture that provides freeze-thaw resistance, yield control, and finishability performance across the full range of concrete mix designs. Daravair 1000 is a clean, light-orange product designed to generate specification-quality air systems. Based on a high-grade saponified rosin formulation, Daravair 1000 is chemically similar to vinsol-based products, but with increased purity and supply dependability. Daravair 1000 weighs approximately 8.5 lbs/gal (1.02 kg/L). Daravair 100 does not contain intentionally added chloride.

Uses

Daravair 1000 air-entraining admixture may be used wherever the purposeful entrainment of air is required by concrete specifications. Formulated to perform across the entire spectrum of production mixes, Daravair 1000 generates quality, freeze-thaw resistant air systems in concrete conditions that include the following:

- Low slump
- Paving
- Central mix
- Extruded slip form
- Mixes containing hot water and accelerators
- Precast
- High cement factor
- Fly ash and slag
- Superplasticizers
- Manufactured sands

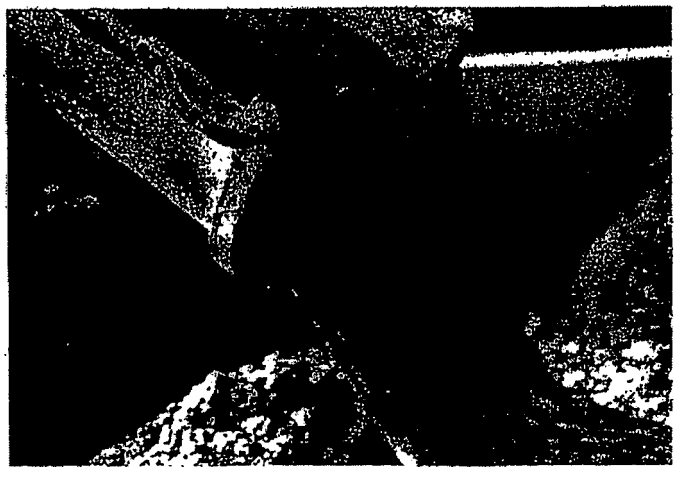
Performance

Air is incorporated into the concrete by the mechanics of mixing and stabilized into millions of discrete semi-microscopic bubbles in the presence of a specifically designed air-entraining admixture such as Daravair 1000. These air bubbles act much like flexible ball bearings increasing the mobility, or plasticity and workability of the concrete. This can permit a reduction in mixing water with no loss of slump. Placeability is improved. Bleeding, plastic shrinkage and segregation are minimized.

Through the purposeful entrainment of air, Daravair 1000 markedly increases the durability of concrete to severe exposures particularly to freezing and thawing. It has also demonstrated a remarkable ability to impart resistance to the action of frost and de-icing salts as well as sulfate, sea and alkaline waters.

Product Advantages

- Rapid air build suitable for short mix cycles
- Can be used in wide spectrum of mix designs



Addition Rates

There is no standard addition rate for Daravair 1000. The amount to be used will depend upon the amount of air required for job conditions, usually in the range of 4 to 8%. Typical factors which might influence the amount of air-entraining admixture required are temperature, cement, sand gradation, and the use of extra fine materials such as fly ash and microsilica. Typical Daravair 1000 addition rates range from ½ to 3 fl oz/100 lbs (30 to 200 mL/100 kg) of cement. Pretesting of concrete should be performed to confirm dosage rates required to achieve desired concrete performance.

The air-entraining capacity of Daravair 1000 is usually increased when other concrete admixtures are contained in the concrete, particularly water-reducing admixtures and water-reducing retarders. This may allow up to ⅓ reduction in the amount of Daravair 1000 required.

Mix Adjustment

Entrained air will increase the volume of the concrete making it necessary to adjust the mix proportions to maintain the cement factor and yield. This may be accomplished by a reduction in water requirement and aggregate content.

Compatibility with Other Admixtures and Batch Sequencing

Daravair 1000 is compatible with most Grace admixtures as long as they are added separately to the concrete mix. In general, it is recommended that Daravair 1000 be added to the concrete mix near the beginning of the batch sequence for optimum performance, preferably by "dribbling" on the sand. Different sequencing may be used if local testing shows better performance. Please see Grace Technical Bulletin TB-0110, *Admixture Dispenser Discharge Line Location and Sequencing for Concrete Batching Operations* for further recommendations. Daravair 1000 should not be added directly to heated water.

Pretesting of the concrete mix should be performed before use, and as conditions and materials change in order to assure compatibility, and to optimize dosage rates, addition times in the batch sequencing and concrete performance. Please consult your Grace representative for guidance.

Packaging & Handling

Daravair 1000 is available in bulk, delivered by metered tank trucks and in 55 gal (210 L) drums. **Daravair 1000 will freeze at about 30°F (-1°C) but its air-entraining properties are completely restored by thawing and thorough mechanical agitation.**

Dispensing Equipment

A complete line of accurate automatic dispensing equipment is available. These dispensers can be located to discharge into the water line, the mixer, or on the sand.

Specifications

Concrete shall be air entrained concrete, containing 4 to 8% entrained air. The air contents in the concrete shall be determined by the pressure method (ASTM Designation C231) or volumetric method (ASTM Designation C173). The air-entraining admixture shall be a completely neutralized rosin solution, such as Daravair 1000, as manufactured by Grace Construction Products, or equal, and comply with *Standard Specification for Air-Entraining Admixtures* (ASTM Designation C260). The air-entraining admixture shall be added at the concrete mixer or batching plant at approximately ½ to 3 fl oz/100 lbs (30 to 200 mL/100 kg) of cement, or in such quantities as to give the specified air contents.

www.graceconstruction.com

North American Customer Service: 1-877-4AD-MIX1 (1-877-423-6491)

Daravair is a registered trademark of W. R. Grace & Co.–Conn.

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate and is offered for the users' consideration, investigation and verification, but we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use which would infringe any patent or copyright. W. R. Grace & Co.–Conn., 62 Whittemore Avenue, Cambridge, MA 02140. In Canada, Grace Canada, Inc., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6.

This product may be covered by patents or patents pending.

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AIR-7F Printed in U.S.A. 11/07 FA/LI/1.2M

Grace Concrete Products

GRACE

DARACEM® 55

Mid-range water-reducing admixture

ASTM C494 Type A and F

Description

Daracem® 55 is a mid-range water reducer specifically formulated to produce concretes with dramatically enhanced finishing characteristics and normal setting times. Effective through a wide addition rate range, Daracem 55 combines the benefits of normal and high-range water reducers allowing for the ultimate control of the concretes placing and finishing properties. Daracem 55 has been approved as an ASTM C494 Types A and F admixture.

Daracem 55 is an aqueous solution of complex organic compounds, each of which contributes uniquely to the concretes final properties. It contains both patented dispersing and patented finishability agents that provide performance superior to conventional water-reducing products. Daracem 55 is also formulated with a catalyst which promotes more complete hydration of Portland cement to assure superior strength performance. It is manufactured under rigid controls which provide uniform, predictable performance. Daracem 55 contains no calcium chloride. Daracem 55 is supplied as a dark brown, low viscosity liquid, weighs approximately 10.7 lbs/gal (1.28 kg/L) and meets the requirements of ASTM C494 Types A and F.

Uses

Daracem 55 produces a concrete with lower water content, improved placement properties, and enhanced finishability. It yields a less permeable and more durable concrete.

Daracem 55 is used in ready-mix, job site, and concrete paving plants for normal and lightweight concrete, in block and precast. It imparts a "slickness" to the surface of the concrete making it most appropriate for concrete flatwork as well as slip form work. Daracem 55 is also particularly effective in lean or fly ash and slag compensated mixes.

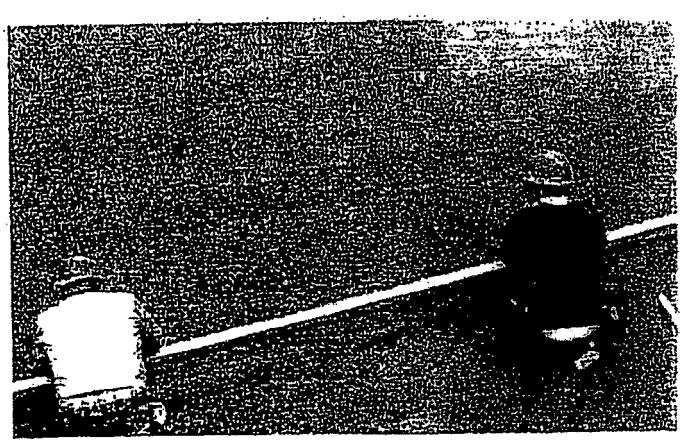
Advantages

Daracem 55 offers significant advantages over conventional water reducers. Laboratory and field work has consistently demonstrated:

- **Ultimate workability and finishability**
  The exceptional water-reducing capabilities allow for concrete production at higher slumps with better water retention and internal cohesiveness, providing a less "sticky" concrete with improved placement properties. Formulated with proven finishing enhancing components, Daracem 55 controls bleeding while bringing the mortar to the surface. Finishers have stated that the concrete has improved trowelability. The influence of Daracem 55 on the finishability of lean mixes has been particularly noticeable. Floating and troweling, by machine or by hand, easily imparts a smooth, close tolerance surface with less machine time and labor.

Product Advantages

- Ultimate workability and finishability
- Neutral setting times
- Superior strength performance



- Neutral setting times
  Formulated with a set control agent, Daracem 55 provides normal setting characteristics throughout its addition rate range. This allows for increased water reduction and increased slump without significantly extended setting times. It also allows the flexibility to vary addition based on specific job and weather requirements.
- Superior strength performance
  The water reduction properties, up to 12%, and dispersion characteristics allow the production of lower water to cement ratio concretes and more complete hydration. The combined effect is increased compressive and flexural strengths at all ages.

Addition Rates

The addition rate range of Daracem 55 is 3 to 9 fl oz/100 lbs (190 to 590 mL/100 kg) of cement. Typically excellent results are achieved between 5 to 7 fl oz/100 lbs (325 to 460 mL/100 kg) of cement. Optimum addition depends on the other concrete mixture components, job conditions, and desired performance characteristics.

Compatibility with Other Admixtures and Batch Sequencing

Daracem 55 is compatible with most Grace admixtures as long as they are added separately to the concrete mix. In general, it is recommended that Daracem 55 be added to the concrete mix near the beginning of the batch sequence but after the cement and water are combined for optimum performance. Different sequencing may be used if local testing shows better performance. Please see Grace Technical Bulletin TB-0110, *Admixture Dispenser Discharge Line Location and Sequencing for Concrete Batching Operations* for further recommendations. Daracem 55 should not come in contact with any other admixture before or during the batching process, even if diluted in mix water.

Pretesting of the concrete mix should be performed before use, and as conditions and materials change in order to assure compatibility, and to optimize dosage rates, addition times in the batch sequencing and concrete performance. For concrete that requires air entrainment, the use of an ASTM C260 air-entraining agent (such as Daravair* or Darex* product lines) is recommended to provide suitable air void parameters for freeze-thaw resistance.

Packaging & Handling

Daracem 55 is available in bulk, delivered in metered tank trucks, and 55 gal (210 L) drums. Daracem 55 contains no flammable ingredients. It will freeze at approximately 15°F (-9°C) but will return to full strength after thawing and thorough mechanical agitation.

Dispensing Equipment

A complete line of accurate, automatic dispensing equipment is available. Daracem 55 may be added to the concrete mix on the sand or in the batch water.

Specifications

Concrete shall be designed in accordance with *Standard Recommended Practice for Selecting Proportions for Concrete*, ACI 211.

The water-reducing admixture shall be a mid-range water-reducing admixture such as Daracem 55 as manufactured by Grace Construction Products, or its equivalent. The admixture shall not contain calcium chloride. It meets the requirements of *Specification for Chemical Admixtures for Concrete* ASTM Designation C494 as a Type A and Type F admixture. Certification of compliance shall be made available on request. The admixture shall be considered part of the total mixing water.

The admixture shall be delivered as a ready-to-use liquid product and shall require no mixing at the batching plant or job site.

www.graceconstruction.com

North American Customer Service: 1-877-4AD-MIX1 (1-877-423-6491)

Daracem, Daravair and Darex are registered trademarks of W. R. Grace & Co.–Conn.

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate and is offered for the users' consideration, investigation and verification, but we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use which would infringe any patent or copyright. W. R. Grace & Co.–Conn., 62 Whittemore Avenue, Cambridge, MA 02140. In Canada, Grace Canada, Inc., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6.

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DW-12G Printed in U.S.A. 11/07 FA/LI/1.1M

GRACE

GRAYMONT MATERIALS INC.

CONCRETE COMPRESSION TEST REPORT
Standard Concrete Cylinders 6" X 12"
Cylinder Data

Supplier:	**MASSENA READY MIX**
Project:	Trial Mix
Structure:	TEST
Design Strength:	3000 #

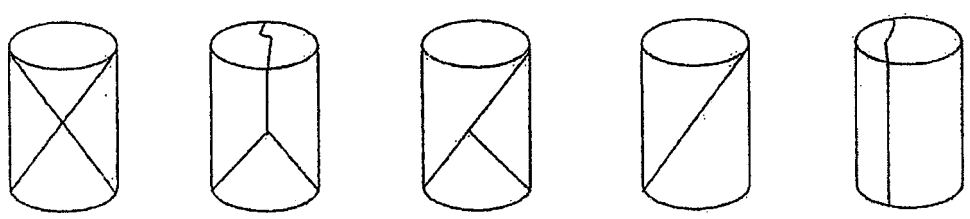
Mix Data: MAS470-1

	Cement	Fly Ash	# 1 Stone	# 2 Stone	Sand	Water	Reducer	Air Ent.
Mix Data:	470	0	1641	0	1624	28.5	14.1	3.0

Set No.	Date Cast	Ticket No.	Weather Cond.	Temp. °F	Gallons Water	W/C Ratio	Slump in.	% Air
1	11/11/03	TRIAL	INSIDE	65	28.2	0.50	3.25	5.5

Cyl. No.	Age Days	Field Cure Days	Cyl. Dia.	Cross Sect. Area	Weight	Density	Max. Load	Comp. Strength PSI	Fracture Type
1	7	1	5.996	28.24	28.10	143.3	96000	3400	4
2	7	1	5.998	28.26	28.13	143.3	96000	3400	4
3	7	1	6.000	28.27	28.12	143.2	94500	3340	4
4	28	1	6.000	28.27	28.13	143.3	127500	4510	4
5	28	1	6.002	28.29	28.12	143.1	126000	4450	4
6	28	1	5.998	28.26	28.11	143.2	125500	4440	4

TYPICAL FRACTURES



CONE 1 | CONE & SPLIT 2 | CONE & SHEAR 3 | SHEAR 4 | COLUMNAR 5

GRAYMONT MATERIALS INC.

CONCRETE COMPRESSION TEST REPORT
Standard Concrete Cylinders 6" X 12"
Cylinder Data

Supplier:	**MASSENA READY MIX**
Project:	Trial Mix
Structure:	TEST
Design Strength:	3000 #

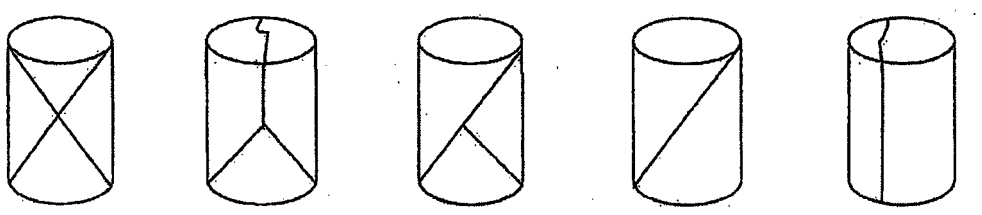
Mix Data: MAS470-1

	Cement	Fly Ash	# 1 Stone	# 2 Stone	Sand	Water	Reducer	Air Ent.
Mix Data:	470	0	1641	0	1624	28.5	14.1	3.0

Set No.	Date Cast	Ticket No.	Weather Cond.	Temp. °F	Gallons Water	W/C Ratio	Slump in.	% Air
2	11/11/03	TRIAL	INSIDE	65	27.7	0.49	2	6.2

Cyl. No.	Age Days	Field Cure Days	Cyl. Dia.	Cross Sect. Area	Weight	Density	Max. Load	Comp. Strength PSI	Fracture Type
1	7	1	6.002	28.29	28.18	143.4	98000	3460	4
2	7	1	6.001	28.28	28.20	143.6	99000	3500	4
3	7	1	6.002	28.29	28.20	143.5	98000	3460	4
4	28	1	6.000	28.27	28.18	143.5	124000	4390	4
5	28	1	6.000	28.27	28.19	143.6	127000	4490	4
6	28	1	6.002	28.29	28.21	143.6	128000	4520	4

TYPICAL FRACTURES



CONE	CONE & SPLIT	CONE & SHEAR	SHEAR	COLUMNAR
1	2	3	4	5

GRAYMONT MATERIALS INC.

CONCRETE COMPRESSION TEST REPORT
Standard Concrete Cylinders 6" X 12"
Cylinder Data

Supplier:	**MASSENA READY MIX**
Project:	Trial Mix
Structure:	TEST
Design Strength:	3000 #

Mix Data: MAS470-1

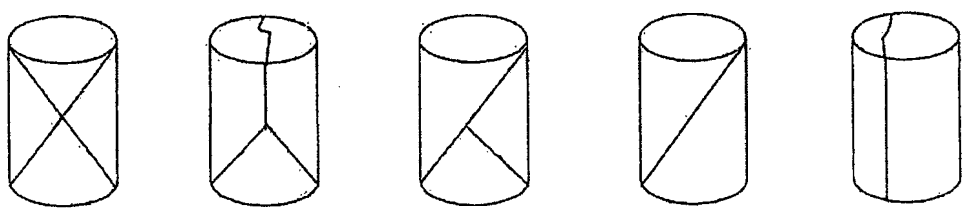
	Cement	Fly Ash	# 1 Stone	# 2 Stone	Sand	Water	Reducer	Air Ent.
Mix Data:	470	0	1641	0	1624	28.5	14.1	3.0

Set No.	Date Cast	Ticket No.	Weather Cond.	Temp. °F	Gallons Water	W/C Ratio	Slump in.	% Air
3	11/11/03	TRIAL	INSIDE	65	29.4	0.52	3.75	5.9

Cyl. No.	Age Days	Field Cure Days	Cyl. Dia.	Cross Sect. Area	Weight	Density	Max. Load	Comp. Strength PSI	Fracture Type
1	7	1	6.000	28.27	28.06	142.9	91000	3220	4
2	7	1	5.998	28.26	28.02	142.8	89000	3150	4
3	7	1	6.000	28.27	28.05	142.9	91500	3240	4
4	28	1	5.997	28.25	28.01	142.8	122500	4340	4
5	28	1	6.001	28.28	28.03	142.7	124000	4380	4
6	28	1	5.998	28.26	28.04	142.9	123000	4350	4

7 DAY AVE 3352
28 DAY AVE 4430

TYPICAL FRACTURES



CONE	CONE & SPLIT	CONE & SHEAR	SHEAR	COLUMNAR
1	2	3	4	5

MA0481 0002.1 and 2 ACM Variance Submittal

ARCADIS

Infrastructure · Water · Environment · Buildings

Submittal Review Form

ARCADIS of New York, Inc.
6723 Towpath Road
P.O. Box 66
Syracuse
New York 13214-0066
Tel 315.446.9120
Fax 315.449.0017

Client:	Contractor:	Project:
MLC	Brandenburg	Massena, NY

ENVIRONMENT

Contact:
Margaret Carrillo-Sheridan, P.E.
Phone Number:
315.671.9167

Submittal Number:
MA0481-0002.1 and 2

Submittal Description:
ACM Variance Submittal

Review Code:

- ☒ R Reviewed
- ☐ N Reviewed and Noted
- ☐ S Resubmit
- ☐ J Rejected
- ☐ I For Your Information

Margaret A. Carrillo-Sheridan, P.E. — March 2, 2011 Date

Brandenburg® Industrial Service Company
2217 Spillman Drive
Bethlehem, Pennsylvania 18015-1982
Phone (610) 691-1800
FAX (610) 691-4200

Brandenburg®

www.Brandenburg.com

SUBMITTAL COVER SHEET

PROJECT: *MLC Massena Power Train MAS-100-AP*

OWNER: *Motors Liquidation Corporation*

IQAT: *Margaret Carillo-Sheridan (ARCADIS)*

Engineer: *ARCADIS*

Brandenburg Submittal No.: MA0481-0002 **Project Code: MA0481**
Revision No.: 0001

Asbestos Variance Executed Submittal

This document has been reviewed, coordinated and checked for accuracy of content and for compliance with the Contract Documents. The information contained herein has been coordinated with all applicable contractors, and is hereby submitted for approval.

Submitted by: *Jason GaNun* Date: February 28, 2011
Eric Ahlgren-Jason GaNun | Project Manager | Brandenburg

Review Status:
No Exceptions Taken _____ Approved as Noted _____ Revise & Resubmit _____ Rejected _____

Approved by:_____ Date: _____

Comments:

The attached signature page was mailed on today's date (2/28/11) to NYSDOL. The document was signed on 2/18/2011 due to the project designer of record being on vacation last week.

New York State Department of Labor
Division of Safety and Health - Engineering Services Unit
Building 12 , Room 159
State Office Campus
Albany, N.Y. 12240

Petition for an Asbestos Variance

To apply for an asbestos variance the Project Designer must:

- Complete all of the information on pages one and two of this asbestos variance request. Please type or print.
- Sign and date page two of the certification and all of the attachments.
- Send two copies of the petition and all attachments, with your $350 fee, to the address at the top of this page.
  - Make your check or money order payable to the Commissioner of Labor.
- Optional: To speed up the process you may include a self-addressed, stamped, express-mail envelope.

1a. **Is this petition related to a safety or health emergency?** _____ Yes x No
b. If yes, explain:

2a. **Name of Petitioner,** (Property Owner): MOTORS LIQUIDATION COMPANY
b. Street Address: 56 CHEVROLET ROAD
c. City: MASSENA d. State: NY e. Zip: 13662
f. Telephone Number: (315) 764-2239 g. Fax Number: (315) 764-2312
h. Petitioner's Federal Employee Identification Number (FEIN) 38-0572515

3a. **Petitioner's Agent (Asbestos Contractor) Firm Name:** OP-TECH ENVIRONMENTAL SERVICES, INC.
b. Street Address: 63 TRADE RD., BLDG. # 4
c. City: MASSENA d. State: NY e. Zip: 13662
f. Telephone Number: (315) 764-1917 g. Fax Number: (315) 764-9453

4a. Asbestos Contractor License No. 30030 b. Name of Firm: OP-TECH ENVIRONMENTAL SERVICES, INC.

5. **Building Description:**
a. Affecting premises known as: FORMER GENERAL MOTORS POWERTRAIN FACILITY
b. These premises are situated on the ____North, ____South, x East, ____West side of ____Street, ____Ave, x Road.
c. County of ST. LAWRENCE
d. Street Address: 56 CHEVROLET DRIVE
e. City MASSENA f. State: NY g. Zip 13662
h. Is building occupied? Yes x No
i. Current function of building: FORMER CAR MANUFACTURING PLANT

j. Approximate area (square feet) of building: 850,000 SF k. Number of stories or height in feet: 2 STORIES
l. What is within 25 feet of all four sides (North, South, East, West) of building? i.e. sidewalk, alley, land, another building, etc.: PLANT IS SURROUNDED BY PARKING AREAS, RAILROAD TRACKS, AND WOODED AREAS.

6. **Order To Comply or Notice of Violation.** Attach copy.
a. Issued to: _____Owner _____Asbestos Contractor _____Operator _____Other
b. Name on Order or Notice: c. Date issued: / /
d. List the Industrial Code Rule (ICR) citations given on the Order to Comply or Notice of Violation:

7. If a variance has been granted previously for work closely resembling this project list:
a. Variance number: b. Date variance granted: / /

Note: Add a separate typed or printed page for each work area and work procedure. Sign and date each page.

8. **Work Area Description Table:** Attach additional tables and scale drawings of work area and pictures, as needed.

Work Area Designation	Exterior or Interior	Work/Room Area Dimensions	Type of Asbestos Containing Material (ACM)	Quantity of ACM	Condition of ACM (level of damage)	Friability of ACM (non-friable or friable)	Type of Containment (full, 2-layer tent, single layer tent, open-air, etc.)
SEE ATTACHED							
SURVEY REPORT							
FOR QUANTITIES							
& LOCATIONS							

9. **ICR 56 Relief Sought:** List the individual sections of ICR 56 for which relief is sought, for each work area or method used. Provide sufficient detail in an attachment. SEE ATTACHED

10. **Hardship Description:** What is the hardship, (e.g. Limited room for decons, exhaust ducts must be longer than 25 feet, all surfaces are contaminated and cannot be plasticized) for each work area or method used? Provide sufficient detail in an attachment. Include condemnation letter or EPA Approval letter if applicable. SEE ATTACHED

11. **Proposed Abatement Method Description for each work area or method used.** Include scale drawings and pictures as necessary. Lack of sufficient detail will delay issuance of variance decision.
    a. Will proposed abatement methods render non-friable ACM material friable? _____ Yes X No
    b. What proposed abatement method, increased engineering controls and detailed procedures will be used to compensate for the relief being sought? (i.e. Increased negative air rate, negative pressure glovebag, negative pressure glovebox, high temperature glovebag, intact component removal, etc.) Include sufficiently detailed procedures to complete the proposed work. SEE ATTACHED

Project Designer Certification

I request that the Commissioner of Labor issue a variance from the requirements of Industrial Code Rule (ICR) 56. This request is based on the information in this application and the attached documents.

I certify that the information contained in this petition is true and accurate.

I understand that if a variance is granted it may be withdrawn by the Commissioner:

- if any of the information provided in this petition is found to be inaccurate or
- if there are violations of Article 30 of the New York State Labor Law or New York State regulations.

I give the Commissioner of Labor permission to provide all of my companies records for Unemployment Insurance (U.I.) reports and contributions to employees of the New York State Department of Labor. This includes information about withholding, wage reporting, U.I. returns, U.I.registration, New Hires, and all records of U.I. delinquencies. This information may only be used for government purposes regarding the licensing and certification of this company as required by Article 30 of the New York State Labor Law and the regulations of the New York State Department of Labor, and for monitoring the company's compliance with Article 30 and ICR 56.

12 a. Project designer name (print): Michael Jenkins

b. Project Design Asbestos Contractor firm name: OP-TECH Environmental Services, Inc.

c. Street: 1 Adler Drive

d. City: East Syracuse e. State: NY f. Zip: 13057 g. Phone: (315) 437-2065

h. Designer certificate number: 03-09199 i. Expiration Date: 11 / 31 / 2011

j. Design Firm Asbestos Contractor License Number 30030 k. Expiration Date: 2 / 28 / 2011

13 a. Project designer signature: b. Date: 2 / 18 / 2011

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2217 Spillman Drive
Bethlehem, Pennsylvania 18015-1982
Phone (610) 691-1800
FAX (610) 691-4200

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www.Brandenburg.com

SUBMITTAL COVER SHEET

PROJECT: *MLC Massena Power Train MAS-100-AP*

OWNER: *Motors Liquidation Corporation*

IQAT: *Margaret Carillo-Sheridan (ARCADIS)*

Engineer: *ARCADIS*

Brandenburg Submittal No.: MA0481-0002 **Project Code: MA0481**
Revision No.: 0002

Asbestos Variance Executed Submittal

This document has been reviewed, coordinated and checked for accuracy of content and for compliance with the Contract Documents. The information contained herein has been coordinated with all applicable contractors, and is hereby submitted for approval.

Submitted by: *Jason GaNun* Date: March 2, 2011
Eric Ahlgren-Jason GaNun | Project Manager | Brandenburg

Review Status:
No Exceptions Taken _____ Approved as Noted _____ Revise & Resubmit _____ Rejected _____

Approved by:_____ Date: _____

Comments:

The attached signature page was mailed on today's date (2/28/11) to NYSDOL. The document was signed on 2/18/2011 due to the project designer of record being on vacation last week.

The attached is a complete set of what was submitted.

OP-TECH

63 Trade Rd., Bldg. # 4
Massena, N.Y. 13662
P: (315) 764-1917
F: (315) 764-9453
www.op-tech.us

February 18, 2011

New York State Department of Labor
Division of Safety and Health
Bldg. 12, Room 154
W. Averell Harriman State Office Campus
Albany, New York 12240

Telephone: 518-457-7201
Facsimile: 518-457-1301

Re: Petition for an Asbestos Variance
Former General Motors Powertrain Facility
56 Chevrolet Road
Massena, N.Y. 13662

Site Overview

As part of a multi-million dollar demolition project to raise the Former General Motors Powertrain Facility in Massena, N.Y., abatement of a variety of asbestos containing materials will be engaged. The main facility and twelve out-buildings incorporate approximately 855,000 square feet of floor space of which a large percentage will require asbestos abatement to be performed both prior to and as part of the demolition effort.

The *Main Plant* portion of the building is a steel framed structure with metal siding set on a concrete foundation. Interior building finishes identified as asbestos containing material include oven gaskets, boiler room breaching, pipe fitting insulation, and built-up roofing components / mastics. The building has a flat roof and is primarily a built up tar and gravel roof system.

The *General Plant* portion of the building is attached along the Northwest side of the plant. It served as the main entrance to the building and was formerly utilized as office space, cafeteria with kitchen, break areas, men's and women's locker rooms and restrooms. The structure consists of concrete block construction finished with an exterior brick façade. The building is set on a concrete foundation and improved with a full basement. Interior building finishes identified as asbestos contaminated material include vinyl floor tile/mastic, sheet flooring/mastic, joint compound on gypsum wallboard, window caulk-sealants-glazing compound, ceiling plaster, and built-up roofing components/mastics. Wall finishes include gypsum board, plaster, and painted concrete block. Ceiling finishes consist of suspend ceiling tiles and plaster.

There are several *Out Buildings* identified as the "Butler Bldg., Clarifier Pump House, Waste Water Treatment Bldg., Scale House, Brick Bldg., etc." that provided various support functions to the main facility. These buildings contain a similar variety of ACM's found throughout the facility.

The attached ARCADIS Comprehensive Asbestos Demolition Survey (3/31/2010) includes the main facility structure and twelve out-buildings. Similar construction applications were observed in the out-buildings consisting of steel framed and concrete block construction. Interior finishes were primarily bare concrete floors, metal siding on walls, and an exposed roof deck. Buildings were typically set on a concrete slab. Exterior finishes were primarily metal siding. Roof systems observed were metal, built up tar and gravel, asphalt shingles, and newer EPDM applications.

Variance Request

On behalf of the Motors Liquidation Company (Petitioner), OP-TECH Environmental Services, Inc. (Petitioner's Agent) requests relief from applicable sections of Industrial Code Rule 56 (12NYCRR) Section 30 of the Labor Law with respect to the following petition form SH-752 sections at various locations on the Petitioners property as identified within.

Attachments include:

- NYSDOL Variance Petition Form SH-752 (0208)
- ARCADIS Comprehensive Asbestos Demolition Survey (3/31/2010)
- Site Drawings

8. WORK AREA DESCRIPTION

A) Non-Friable ACM

1) Exterior Abatement

The proposed exterior non-friable ACM work areas include abatement from major portions of the Main and General Plant building footprint and for miscellaneous out-buildings identified to contain non-friable ACM's that would be most safely and effectively eradicated by demolition in place. Non-friable ACM's include built-up roofing components, flashing, sealants, caulk, etc. that can be found on major portions of the plant and out-buildings. Highlighted ACM's included an estimated 280,000 square feet of built up roof materials and approximately 30,000 square feet of corrugated metal siding on the Main Plant having flashing, caulk and sealants that would be primary objectives of this variance. Additional work areas will be established dependent upon reclamation and/or recycling objectives for brick, block, metal, etc. and would be determined on-site with approval from the independent third party project monitor.

2) Interior Abatement

a) The proposed interior non-friable ACM work areas requesting relief from ICR 56 regulations are for abatement of an estimated 320 transite switch plates used throughout the facility as part of the arc flash protection system found in switchgear cabinets, panels, etc.

b) Additional relief is requested from tent construction for abatement of non-friable gasket material identified within the Arcadis Comprehensive Asbestos Demolition Survey Report, Table 1 and 2. These materials are located on doors to the mezzanine dryers (i.e.; Table 1, HA No. M-123)

B) Friable ACM

Interior Abatement

1) Additional relief is requested from elevated tent construction for abatement of Thermal System Insulation on elevated pipe fittings above ten feet. There is an estimated one

hundred to one hundred fifty (100-150) pipe fittings with insulation that will require abatement throughout the facility. A majority of this TSI is at elevated locations where tent construction would be difficult and unsafe.

9. ICR 56 RELIEF SOUGHT

The scope of work requires the abatement of a large quantity of various ACM's from a former industrial facility now being prepared for demolition. Relief is sought from the following ICR 56 regulations:

56-7.11, 11.3(e):
It is requested relief from engineering controls, glove bag and/or tent construction for open-air abatement of non-friable transite switch plates located throughout the facility.

56-7.11, 11.3(e):
It is requested relief from engineering controls, glove bag and/or tent construction for open-air abatement of non-friable gasket materials located throughout the facility.

56-7.11, 11.3(e):
It is requested relief from engineering controls and tent construction for glove-bag abatement of pipe fitting insulation located throughout the facility. Most of the pipe/fittings are above ten feet off of the ground elevation.

56-7.11, 11.5(b)(1):
It is requested that the structures be demolished without establishment of engineering controls at critical barriers and with non-friable ACM's in place without condemnation of the buildings.

56-11.5(c)(7):
It is requested that the building debris generated by demolition of non-friable ACM in place be considered construction debris for disposal.

10. HARDSHIP DESCRIPTION

Demolition with Non-Friable ACM in Place

56-11.5(b)(1):
The proposed work area description identifies abatement for major portions of the facility buildings and components following existing ICR 56 regulations found in Section 11.5 "Controlled Demolition with Asbestos in Place" that otherwise would require an undue labor cost and high safety risk exposure to be incurred. With approximately 280,000 sf of non-friable roofing, approximately 30,000 sf of metal siding with caulk, and miscellaneous other locations of non-friable ACM's that make up the construction of this facility, it would not be economically feasible to dispose of as friable ACM nor safe to attempt abatement prior to demolition of the facility. Installation of critical barriers will serve no significant purpose for this unoccupied facility and would pose a significant safety hazard to reach all potential openings, penetrations, etc. adjacent to the work area. There will be no increase or decrease risk of exposure to the general public during controlled demolition activities. Abatement of all friable materials will be completed prior to demolition of the structures.

Abatement of Non-Friable Transite Switch Plates

56-7.11, 11.3(e):
For the quantity of switch plates requiring abatement in this plant-wide project, glove-bag and/or tent construction would pose and undue burden which will result in increased safety risk, time and labor costs to conduct the removals. Each location would typically meet the quantity for a minor project and the ACM is a non-friable component that will be removed intact. The building is non-operational and there will be no increase or decrease risk of exposure to the general public during abatement activities. Installation of critical barriers will serve no significant purpose for this unoccupied facility and would pose a significant safety hazard to reach all potential openings, penetrations, etc. adjacent to the work area.

Abatement of Non-Friable Gaskets

56-7.11, 11.3(e):
For the quantity of non-friable gaskets requiring abatement in this plant-wide project, glove-bag and/or tent construction would pose and undue burden which will result in increased safety risk, time and labor costs to conduct the removals. Each location would typically meet the quantity for a minor project and the ACM is a non-friable component that will be removed intact. The building is non-operational and there will be no increase or decrease risk of exposure to the general public during abatement activities. Installation of critical barriers will serve no significant purpose for this unoccupied facility and would pose a significant safety hazard to reach all potential openings, penetrations, etc. adjacent to the work area.

Abatement of Friable Pipe Fitting Insulation

56-7.11, 11.3(e):
For the quantity of friable pipe fitting insulation requiring abatement in this plant-wide project, preparation of critical barriers for engineering controls and tent construction would pose and undue burden which will result in increased safety risk, time and labor costs to conduct the removals. Each location would typically meet the quantity for a minor project and in almost all cases is at an elevation above ten feet. The building is non-operational and there will be no increase or decrease risk of exposure to the general public during abatement activities. Installation of critical barriers will serve no significant purpose for this unoccupied facility and would pose a significant safety hazard to reach all potential openings, penetrations, etc. adjacent to the work area.

11. PROPOSED ABATEMENT METHOD

All asbestos work on this project will be overseen by a full time project monitor provided by the Petitioner. The project monitor will also conduct the area air sampling required by ICR 56 and this variance petition. Work will be conducted following the provisions of ICR 56 adopted March 21, 2007, except as noted in this variance and the following procedures indentified below.

Demolition with Non-Friable ACM in Place

The abatement is to be performed in accordance with all provisions of ICR 56-11.5 excluding the exceptions requested within this variance, subsequent review comments by the NYSDOL and the following requirements.

- Appropriate asbestos signage in accordance with the requirements of ICR 56-7.4(c) shall be posted on the exterior of the work site boundary fence/barrier to warn the public of the asbestos hazard.
- The provisions of 56-11.5 shall be followed for all non-friable controlled demolition removals, except as modified by this variance.
- No dry disturbance or removal of asbestos material shall be permitted.
- The entire controlled demolition area at the work site shall be considered the regulated abatement work area and shall be enclosed with a barrier or fence that defines the regulated area. The intent of the barrier/fence is to define the regulated work area at the site, alert the public to the asbestos work and/or associated hazards, and to restrict unauthorized entry into the abatement work area.
- The active demolition areas, cleanup areas, decontamination system enclosures/areas, staging areas, and waste dumpster/trailer areas shall be cordoned off at a distance of twenty five feet except where physical restrictions limit the barrier distance (i.e.; property boundary, roadway or other right-of-way, neighboring building/structure, etc.).
- The regulated abatement work area shall remain vacated except for certified workers until satisfactory clearance air monitoring results have been achieved or the abatement project is complete.
- Decontamination system enclosures and areas shall be constructed/utilized per the requirements of 56-7.5(d) and 56-11.5.
- Uncertified personnel shall not be permitted to access any regulated abatement work area with the exception of waste removal truck drivers. These truck drivers will be restricted to their enclosed cab while temporarily in the regulated work area for waste loading / transfer activities only.
- All equipment operators utilized for demolition or removal activities within the regulated work area will be certified in compliance with ICR 56-3.2.
- Wastewater shall be confined within the controlled demolition area.
- All demolition debris containing the identified non-friable ACM's shall be considered to be non-friable construction debris and shall be transported / disposed of by appropriate legal methods.
- Structural members, steel components, and similar non-porous non-ACM components shall be fully decontaminated as per ICR 56 prior to being treated as salvage.
- In addition to the requirement of Subpart 56-4.9(c), air monitoring within the work areas shall be conducted daily. If more than one shift daily is required to accomplish the work, air monitoring within the work area during abatement shall be performed on each shift, preferably at mid-shift timing.

- Daily abatement air monitoring is required only on days when abatement or support activities such as ACM disturbance or cleaning activities are performed.
- For final air clearance criteria, the most recent set of daily abatement air sampling results shall be compared to clearance air sample criteria. If satisfactory, these air sample results, in combination with a satisfactory project monitor visual inspection, shall serve as acceptable clearance for the regulated abatement work area.

Abatement of Non-Friable Transite Switch Plates

- Workers shall follow appropriate lock-tag-try procedures for de-energization of the device/component/panel/etc. prior to start of abatement procedures for each location.
- Decontamination system enclosures and areas shall be constructed/utilized per the requirements of 56-7.5(d).
- Appropriate asbestos signage in accordance with the requirements of ICR 56-7.4(c) shall be posted on the exterior of the work site boundary fence/barrier to warn the public of the asbestos hazard.
- The work area shall be of adequate size to provide ample room for the removal to take place and maintain a minimum distance of 5-ft., or as practical, to the nearest pedestrian passageway.
- A layer of 6-mil fire retardant poly sheeting will be placed and secured to the floor surface in front of the area where work is to be conducted to effectively ensure capture of any material that may drop while the switch plate(s) are being removed from the panel.
- The switch plates and effected areas shall be HEPA vacuumed before start of removal.
- ACM components removed from each work area shall be placed in a 6-mil poly waste disposal bag or wrapped in two layers of 6-mil poly sheeting and labeled as asbestos waste.
- The work area will be HEPA vacuumed clean following ACM removal to clean any debris which may have fallen during abatement procedures.
- No dry disturbance or removal of asbestos material shall be permitted.
- A NYSDOL certified Asbestos Supervisor and/or Project Monitor shall inspect the work area for completeness and document accordingly in the Asbestos Supervisor's project log. Area air monitoring shall be conducted in accordance with the requirements of ICR 56.
- Personal air sampling shall be conducted in accordance with ICR 56 and OSHA requirements.

Abatement of Non-Friable Transite Gaskets

- When applicable, workers shall follow appropriate lock-tag-try procedures for de-energization of the device/component/panel/etc. prior to start of abatement procedures for each location.
- Decontamination system enclosures and areas shall be constructed/utilized per the requirements of 56-7.5(d).
- Appropriate asbestos signage in accordance with the requirements of ICR 56-7.4(c) shall be posted on the exterior of the work site boundary fence/barrier to warn the public of the asbestos hazard.

- The work area shall be of adequate size to provide ample room for the removal to take place and maintain a minimum distance of 5-ft., or as practical, to the nearest pedestrian passageway.
- A layer of 6-mil fire retardant poly sheeting will be placed and secured to the floor surface in front of the area where work is to be conducted to effectively ensure capture of any material that may drop while the gasket material is being removed.
- The affected areas shall be HEPA vacuumed before start of removal.
- ACM components removed from each work area shall be placed in a 6-mil poly waste disposal bag or wrapped in two layers of 6-mil poly sheeting and labeled as asbestos waste.
- The work area will be HEPA vacuumed clean following ACM removal to clean any debris which may have fallen during abatement procedures.
- No dry disturbance or removal of asbestos material shall be permitted.
- A NYSDOL certified Asbestos Supervisor and/or Project Monitor shall inspect the work area for completeness and document accordingly in the Asbestos Supervisor's project log.
- Area air monitoring shall be conducted in accordance with the requirements of ICR 56.
- Personal air sampling shall be conducted in accordance with ICR 56 and OSHA requirements.

Abatement of Friable Pipe Fitting Insulation

- Decontamination system enclosures shall be constructed/utilized per the requirements of 56-7.5(d) for small projects and per 56-11.3(e)(1) for minor projects.
- The regulated abatement work area shall be established in accordance with ICR 56-7.4.
- Regulated abatement work area enclosures defined in ICR 56-7.11(a-g) will not be constructed.
- The work area shall be posted with asbestos warning signs and barrier tape at a distance of 25-ft. from the removal work, or as close to 25-ft. as area limitations permit.
- By use of amended water being restricted to the interior of glove bags, electrical power will not be shut down in the work area unless the contractor determines that an electrical hazard exists.
- By use of only glove bags, the engineering controls and requirements identified in ICR 56-7.8 will not be utilized, HVAC systems will not be isolated as required in ICR 56-9.
- Pre-cleaning of the regulated abatement work area will be limited to the clean-up of any visible insulation debris using HEPA vacuums or wet methods.
- The lift/scaffolding/etc. shall be plasticized with two layers of 6-mil fire retardant poly sheeting on the platform proper with plastic sheeting extended vertically to waist-high on guardrail sides, front, and back of the lift/scaffolding/etc. Floor surfaces to be plasticized using 6-mil fire retardant reinforced poly sheeting for proper worker traction.
- Employees will wear personal protective equipment (PPE) and respirators as required by ICR 56-7.6. If a remote decontamination enclosure is utilized, employees shall wear additional PPE as required per ICR 56-7.5(d)(1). In addition, the contractor shall protect his employees from fall hazards in accordance with OSHA regulations.
- Removal work shall be conducted in accordance with the glove bag procedures defined in ICR 56-8.4.
- If a glove bag fails or loses its integrity, work shall be stopped and the procedures identified in ICR 56-8.2(g) shall be followed.

- Equipment and waste container decontamination /removal procedures shall comply with the requirements of ICR 56-8.9.
- After completion of glove bag work, each work area, lift/scaffolding/etc. and the plasticized surfaces shall be wet wiped and HEPA vacuumed clean before reuse. Multiple cleaning procedures defined in ICR 56-9.1 will not be required.
- The asbestos supervisor/project monitor shall perform a visual inspection of the work area to ensure that all asbestos material, waste, and debris have been removed prior to conducting final air sampling.
- No waiting period is required without containment barriers in place.
- Final clearance air sampling shall be completed per ICR 56-4.
- Once satisfactory air clearance sampling has been achieved, the work area barrier tape and signage may be removed and area reopened for occupancy.
- Area air monitoring shall be conducted in accordance with the requirements of ICR 56.
- Personal air sampling shall be conducted in accordance with ICR 56 and OSHA requirements.

Please feel free to call me at (315) 764-1917 should you have any questions.

Respectfully submitted,
OP-TECH ENVIRONMENTAL SERVICES, INC.

Michael Jenkins
Project Designer - Cert. # 03-09199

New York State Department of Labor
Division of Safety and Health - Engineering Services Unit
Building 12 , Room 159
State Office Campus
Albany, N.Y. 12240

Petition for an Asbestos Variance

To apply for an asbestos variance the Project Designer must:

- Complete all of the information on pages one and two of this asbestos variance request. Please type or print.
- Sign and date page two of the certification and all of the attachments.
- Send two copies of the petition and all attachments, with your $350 fee, to the address at the top of this page.
  - Make your check or money order payable to the Commissioner of Labor.
- Optional: To speed up the process you may include a self-addressed, stamped, express-mail envelope.

1a. **Is this petition related to a safety or health emergency?** _____ Yes x No
b. If yes, explain:

2a. **Name of Petitioner,** (Property Owner): MOTORS LIQUIDATION COMPANY
b. Street Address: 56 CHEVROLET ROAD
c. City: MASSENA d. State: NY e. Zip: 13662
f. Telephone Number: (315) 764-2239 g. Fax Number: (315) 764-2312
h. Petitioner's Federal Employee Identification Number (FEIN) 38-0572515

3a. **Petitioner's Agent (Asbestos Contractor) Firm Name:** OP-TECH ENVIRONMENTAL SERVICES, INC.
b. Street Address: 63 TRADE RD., BLDG. # 4
c. City: MASSENA d. State: NY e. Zip: 13662
f. Telephone Number: (315) 764-1917 g. Fax Number: (315) 764-9453

4a. Asbestos Contractor License No. 30030 b. Name of Firm: OP-TECH ENVIRONMENTAL SERVICES, INC.

5. **Building Description:**
a. Affecting premises known as: FORMER GENERAL MOTORS POWERTRAIN FACILITY
b. These premises are situated on the ____ North, ____ South, x East, ____ West side of ____ Street, ____ Ave, x Road.
c. County of ST. LAWRENCE
d. Street Address: 56 CHEVROLET DRIVE
e. City MASSENA f. State: NY g. Zip 13662
h. Is building occupied? Yes x No
i. Current function of building: FORMER CAR MANUFACTURING PLANT

j. Approximate area (square feet) of building: 850,000 SF k. Number of stories or height in feet: 2 STORIES
l. What is within 25 feet of all four sides (North, South, East, West) of building? i.e. sidewalk, alley, land, another building, etc.: PLANT IS SURROUNDED BY PARKING AREAS, RAILROAD TRACKS, AND WOODED AREAS

6. **Order To Comply or Notice of Violation.** Attach copy.
a. Issued to: _____ Owner _____ Asbestos Contractor _____ Operator _____ Other
b. Name on Order or Notice: c. Date issued: / /
d. List the Industrial Code Rule (ICR) citations given on the Order to Comply or Notice of Violation:

7. If a variance has been granted previously for work closely resembling this project list:
a. Variance number: b. Date variance granted: / /

Note: Add a separate typed or printed page for each work area and work procedure. Sign and date each page.

8. **Work Area Description Table:** Attach additional tables and scale drawings of work area and pictures, as needed.

Work Area Designation	Exterior or Interior	Work/Room Area Dimensions	Type of Asbestos Containing Material (ACM)	Quantity of ACM	Condition of ACM (level of damage)	Friability of ACM (non-friable or friable)	Type of Containment (full, 2-layer tent, single layer tent, open-air, etc.)
SEE ATTACHED							
SURVEY REPORT							
FOR QUANTITIES							
& LOCATIONS							

9. **ICR 56 Relief Sought:** List the individual sections of ICR 56 for which relief is sought, for each work area or method used. Provide sufficient detail in an attachment. SEE ATTACHED

10. **Hardship Description:** What is the hardship, (e.g. Limited room for decons, exhaust ducts must be longer than 25 feet, all surfaces are contaminated and cannot be plasticized) for each work area or method used? Provide sufficient detail in an attachment. Include condemnation letter or EPA Approval letter if applicable. SEE ATTACHED

11. **Proposed Abatement Method Description for each work area or method used.** Include scale drawings and pictures as necessary. Lack of sufficient detail will delay issuance of variance decision.
    a. Will proposed abatement methods render non-friable ACM material friable? _____ Yes X No
    b. What proposed abatement method, increased engineering controls and detailed procedures will be used to compensate for the relief being sought? (i.e. Increased negative air rate, negative pressure glovebag, negative pressure glovebox, high temperature glovebag, intact component removal, etc.) Include sufficiently detailed procedures to complete the proposed work. SEE ATTACHED

Project Designer Certification

I request that the Commissioner of Labor issue a variance from the requirements of Industrial Code Rule (ICR) 56. This request is based on the information in this application and the attached documents.

I certify that the information contained in this petition is true and accurate.

I understand that if a variance is granted it may be withdrawn by the Commissioner:

- if any of the information provided in this petition is found to be inaccurate or
- if there are violations of Article 30 of the New York State Labor Law or New York State regulations.

I give the Commissioner of Labor permission to provide all of my companies records for Unemployment Insurance (U.I.) reports and contributions to employees of the New York State Department of Labor. This includes information about withholding, wage reporting, U.I. returns, U.I.registration, New Hires, and all records of U.I. delinquencies. This information may only be used for government purposes regarding the licensing and certification of this company as required by Article 30 of the New York State Labor Law and the regulations of the New York State Department of Labor, and for monitoring the company's compliance with Article 30 and ICR 56.

12 a. Project designer name (print): Michael Jenkins

b. Project Design Asbestos Contractor firm name: OP-TECH Environmental Services, Inc.

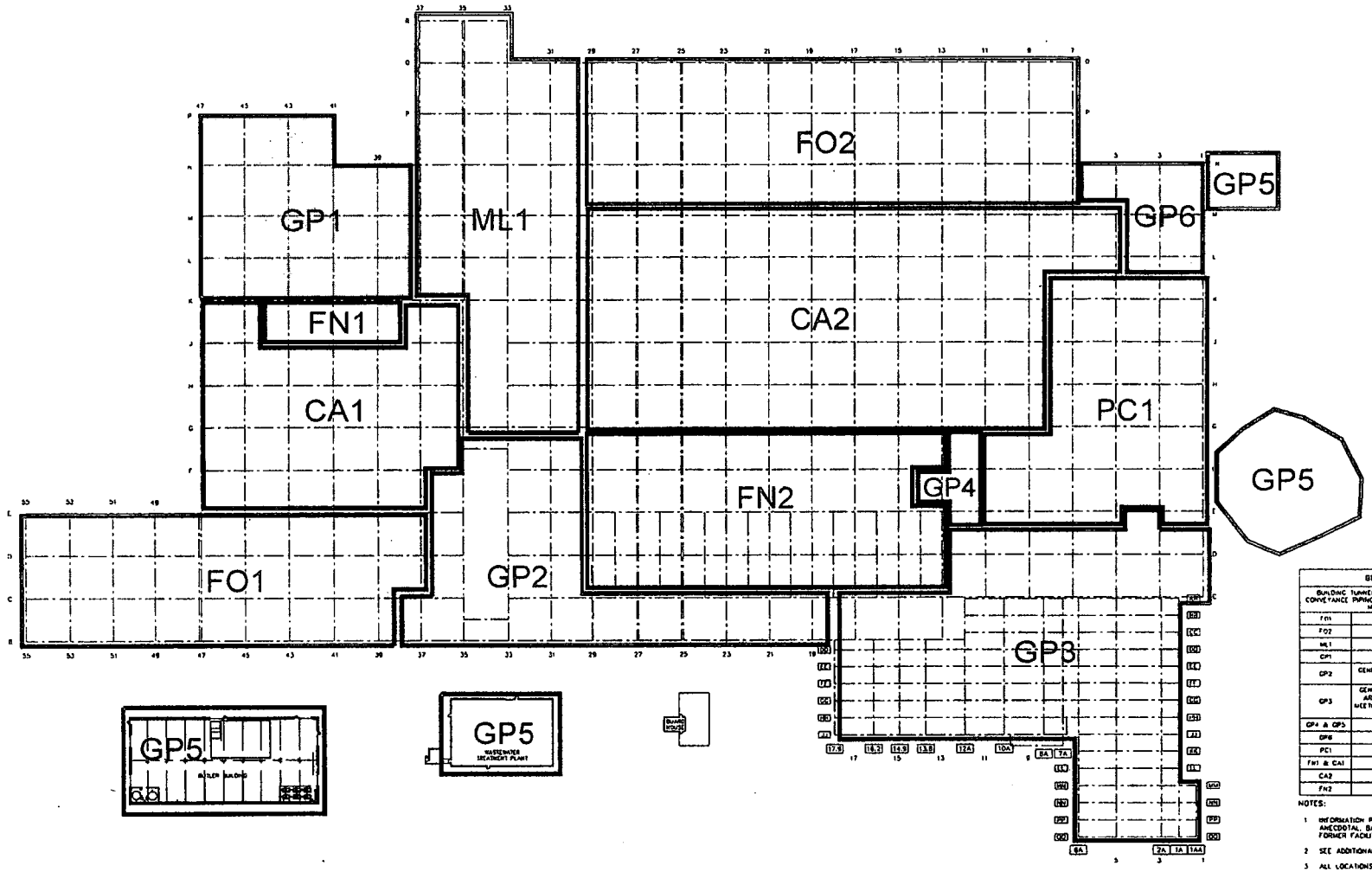
c. Street: 1 Adler Drive

d. City: East Syracuse e. State: NY f. Zip: 13057 g. Phone: (315) 437-2065

h. Designer certificate number: 03-09199 i. Expiration Date: 11 / 31 / 2011

j. Design Firm Asbestos Contractor License Number 30030 k. Expiration Date: 2 / 28 / 2011

13 a. Project designer signature: _____ b. Date: 2 / 18 / 2011



LEGEND:

FO	FOAM
CA	CAST
FN	FINISH
ML	MELT
GP	GENERAL PLANT
PC	PC & L
— · —	COLUMN LINE

BUILDING AREA AND USE	
BUILDING TUNNELS (NOT SHOWN ON FIGURE) - USED FOR CONVEYANCE PIPING FOR UTILITIES AND WASTE MATERIALS FROM MANUFACTURING PROCESSES	
FO1	LOST FOAM PROCESS AREA
FO2	LOST FOAM PROCESS AREA
ML1	MELT DEPARTMENT
GP1	GENERAL PLANT AREA
GP2	GENERAL PLANT AREA - INCLUDES COMPRESSOR AND TRANSFORMER ROOMS
GP3	GENERAL PLANT AREA - HISTORIC USE OF THIS AREA IS PRIMARILY ADMINISTRATION (OFFICES, MEETING ROOMS, LOCKER ROOMS, AND CAFETERIA). PORTION OF AREA IS MANUFACTURING
GP4 & GP5	GENERAL PLANT AREA
GP6	GENERAL PLANT AREA
PC1	- -
FN1 & CA1	DIE CAST AND FINISH AREA
CA2	DIE CAST AREA
FN2	Finish AREA

NOTES:

1. INFORMATION PROVIDED ON BUILDING AREA USAGE IS ANECDOTAL, BASED ON INFORMATION PROVIDED BY A FORMER FACILITY EMPLOYEE.
2. SEE ADDITIONAL NOTES ON CONTRACT DRAWING G-1.
3. ALL LOCATIONS ARE APPROXIMATE

60' 0 60' 120'
1" = 60'

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING. USE TO VERIFY FIGURE REPRODUCTION SCALE

No.	Date	Revisions	By	Ckd

THIS DRAWING IS THE PROPERTY OF THE ARCADIS ENTITY IDENTIFIED IN THE TITLE BLOCK AND MAY NOT BE REPRODUCED OR ALTERED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF SAME.

Professional Engineer's Name
Seal
Professional Engineer's No.
Seal

Date	Date Signed	Project Mgr.
MY		MCS
Designed by	Drawn by	Checked by
DRT	GMS	RJG

ARCADIS

ARCADIS OF NEW YORK, INC.

CENTRAL FOUNDRY SUPERFUND SITE - MASSENA NEW YORK
BUILDING DEMOLITION SPECIFICATIONS

FORMER DESIGNATED AREA USAGE
MLC FORMER MASSENA POWERTRAIN PLANT FACILITY, BUTLER BUILDING AND WASTEWATER TREATMENT PLANT

GENERAL

ARCADIS Project No.
B0050061.0001.42171

Date
APRIL 2010

ARCADIS
6723 Towpath Road
P.O. Box 66
Syracuse, New York
Tel. 315.446.9120

G-3

ARCADIS

Infrastructure, environment, buildings

Imagine the result

Comprehensive Asbestos Demolition Survey

Central Foundry Superfund Site

56 Chevrolet Road

Massena, NY 13362

March 31, 2010

ARCADIS

Comprehensive Asbestos Demolition Survey

Central Foundry Superfund Site
56 Chevrolet Road
Massena, NY 13362

Gregory T. Sampson
Senior Project Manager

Gregory Donovan
Project Scientist

Prepared for:
Motors Liquidation Company

Prepared by:
ARCADIS U.S., Inc.
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Tel 781.356.7300
Fax 781.356.2211

Our Ref.:
B00.50081.0000.40202

Date:
March 31, 2010

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ARCADIS

Comprehensive Asbestos Demolition Survey

Central Foundry Superfund Site
56 Chevrolet Road
Massena, NY 13362

1.0 Introduction

ARCADIS U.S. Inc. (ARCADIS) conducted a Comprehensive Asbestos Demolition Survey of buildings at the Central Foundry Superfund Site located in Massena, New York (the Site). The buildings surveyed included the Former Powertrain Plant Facility along with 12 outbuildings (the Plant Cooling Water Building, Wastewater Treatment Plant, Sewage Pump House, Clarifier Pump House, Millwater Pump House, River Water Pump House, Red Shed, Butler Building, Main Substation, Blue Pump House, Oily Waste Lift Station, and Old Scalehouse). The survey was conducted by Sean Drain, Gregory Donovan, Joel Lymneos, and Brandon Wabble on February 22 through February 27, 2010. Limitations associated with the Comprehensive Asbestos Demolition Survey were presented in the cover letter transmitting this document to Motors Liquidation Company on April 1, 2010

From March 22 through March 25, 2010 ARCADIS inspectors returned to the Site and performed a comprehensive roof survey. Copies of their licenses and accreditations are provided in Attachment C.

The objective of the survey was to locate, as far as practicable, visible and accessible suspect asbestos-containing materials (ACM) at the Site for the purpose of potential asbestos materials removal activities prior to any scheduled demolition activities. Destructive sampling was conducted in order to identify suspect material behind hard enclosures and or obstructed areas. Hard enclosures or obstructed areas include, but are not limited to: wall cavities, pipe chases, spaces above fixed ceilings, foundation walls, spaces behind the brick façade, inside equipment, grout/adhesive beneath ceramic tiles, and vapor/moisture barrier paper under hardwood floors.

A limited number of caulking type bulk samples were collected and submitted for Polychlorinated Biphenyls (PCBs) analysis. The limited PCB survey was designed to provide insight on the potential presence of PCB's in caulking throughout the site and is not intended to be comprehensive of all caulking materials at the site.

ARCADIS reviewed available documentation including previous ACM survey reports performed by K-Tech Environmental Consultants, Inc. dated July of 2008 and Op-Tech Environmental Services, Inc. with various dates from November – December of 2002. ARCADIS visually confirmed the presence of previously identified ACM. In addition, ARCADIS collected additional samples of materials that previously tested negative for asbestos (from previous reports), or suspect materials that had not been sampled or referenced in the previous reports.

2.0 Site Description

The Former Powertrain Plant Facility is approximately 855,000 square feet in size. The main plant portion of the building is a steel framed structure with metal siding set on a concrete foundation. A series of tunnels run under portions of the main plant. Interior building finishes observed include epoxy flooring, vinyl floor tiles, ceramic floor tiles, gypsum board walls, and suspended ceiling tiles. The flat roof is primarily a built up tar and gravel roof system. The general plant portion of the building is attached along the Northwest side of the plant. The general plant serves as the main entrance to the building. This portion of the building was formerly utilized as office space, cafeteria with kitchen, break areas, and men's and women's locker rooms and restrooms. The structure consists of concrete block construction finished with an exterior brick façade. The building is set on a concrete foundation and improved with a full basement. Interior floor finishes observed include vinyl floor tile, sheet flooring, linoleum, and ceramic tile. Wall finishes include gypsum board, plaster, and painted concrete block. Ceiling finishes consist of suspend ceiling tiles and plaster. The survey included twelve out-buildings. Similar construction applications were observed; steel framed and concrete block construction. Interior finishes were primarily bare concrete floors, metal siding on walls, and an exposed roof deck. Buildings were typically set on a concrete slab. Exterior finishes were primarily metal siding. Roof systems observed were metal, built up tar and gravel, asphalt shingles, and newer EPDM applications.

3.0 Methodology

ARCADIS's methodology to complete the asbestos materials surveys are summarized below.

3.1 Asbestos Survey Approach

ARCADIS's survey approach included a visual assessment of each space to locate, as far as practicable, suspect ACM.

Suspect materials were divided into "Homogeneous Applications", building materials which were determined by the inspector to be homogeneous based on their color, texture, and age. A representative number of samples were collected for each Homogeneous Application.

Materials that were not sampled or not accessible were assumed to contain asbestos and estimated quantities are provided in Table 1.

Bulk material samples were collected in 4 mil plastic bags, and sealed for transport to the laboratory. Each sample collected by ARCADIS personnel was assigned its own unique coded number. Samples were sent to EMSL Analytical, Inc. of Westmont, New Jersey for laboratory analysis under strict chain-of-custody protocol.

The following are the Homogeneous Application symbols and other symbols used for identification in this report:

T = Thermal System Insulation

M = Miscellaneous Materials

S = Surfacing Materials (Troweled or Spray-Applied)

sq. ft. = square feet

lin. ft. = linear feet

3.2 Polychlorinated Biphenyls Survey Approach

ARCADIS collected samples of accessible exposed caulking at locations throughout the plant. Samples were collected utilizing hand tools and bulk material samples were collected in 4 mil plastic bags, and sealed for transport to the laboratory. Each sample collected by ARCADIS personnel was assigned its own unique coded number. Samples were sent to EMSL Analytical, Inc. for laboratory analysis under strict chain-of-custody protocol.

4.0 Analytical Methods

4.1 Asbestos

Material identification was performed following the New York State Department of Health Environmental Laboratory Accreditation Program (ELAP) protocol methods 198.1 & 198.4, which require the analysis of friable materials utilizing Polarized Light Microscopy with Dispersion Staining (PLM/DS) and PLM Stratified Point Counting. Non-Friable Organically Bound (NOB) materials were analyzed using PLM and Transmission Electron Microscopy (TEM) for NOB matrices. Analysis was conducted at EMSL Analytical, Inc. located in Westmont, New Jersey.

EMSL is a member of the American Industrial Hygiene Association (AIHA), National Voluntary Laboratory Accreditation Program (NVLAP). EMSL's NVLAP format laboratory analysis results and bulk sample summary reports are provided as Appendix B.

4.2 Polychlorinated Biphenyls

The caulking samples were submitted under a chain-of-custody protocol to EMSL Analytical, Inc. for PCB analysis via EPA Method 8082. The method tests each sample for nine of the most common PCB Aroclor's. PCB results are then reported in concentrations in relation to each samples reporting limit. EMSL is a New York certified laboratory. EMSL's laboratory analysis results are provided in Appendix C.

5.0 Findings

A complete listing of homogeneous applications with quantities, locations, and results of asbestos containing materials is provided in the attached Table 1.

5.1 Asbestos

A total of three hundred twenty eight (328) suspect homogenous applications were identified or confirmed by ARCADIS. A total of eight hundred and five (805) additional bulk samples were collected and submitted for laboratory analysis. A total of two hundred ninety five (295) bulk samples were previously collected and analyzed. This data was used to supplement and support ARCADIS' findings. Details regarding the location of each suspect and confirmed ACM identified throughout the Site can be found in Tables 1 of this report.

Due to the inability to effectively separate asbestos containing mastic from the non-asbestos containing floor tiles, sheet flooring, and linoleum these materials should be considered contaminated and handled/disposed as asbestos waste. Due to the inability to effectively separate asbestos containing mastic from non-asbestos containing carpet the carpet should be considered contaminated and handled/disposed as asbestos waste.

If other suspect asbestos-containing materials that are not referenced in this report are discovered or identified during demolition activities, it is required that the materials be sampled and analyzed to confirm the absence or presence of asbestos prior to disturbance of these materials.

The Homogeneous Application Summary Chart provided as Table 1 includes the following information:

- ARCADIS' Homogeneous Application designation for each identified suspect material.
- A description of each material sampled.
- The material's location.
- The approximate square/linear footage of each material.
- The sample results for the material as follows:
- NAD = no asbestos detected
- POS = assumed positive
- **#% asbestos** = percent asbestos detected

5.2 Polychlorinated Biphenyl's

ARCADIS collected twenty-one (21) caulking application samples throughout the Site and were submitted for laboratory analysis. Analytical results for 11 of the samples yielded reportable concentrations less than 50 mg/Kg. Results revealed eight (8) samples that had concentrations of PCB's greater than 50 mg/Kg. Details regarding the location and concentration of each material sampled can be found in Table 3 of this report.

ARCADIS

TABLES

Table 1
Homogeneous Application Table
Main Plant
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
General Plant Building - North West Brick Portion of Main Plant									
M-01	General Plant Building	Basement	Vibration Dampener	BN002142 BN002143	Good/Non-Friable	NAD	12	EA	
M-02	General Plant Building	Basement	Yellow Sealant associated with Fiberglass Duct Insulation	BN002146 BN002147	Good/Non-Friable	NAD	1,200	SF	
M-03	General Plant Building	Stairwell to Basement	12" x 12" Floor Tile Gray Mottled	BN002165 BN002166	Good/Non-Friable	NAD	120	SF	
M-04	General Plant Building	Stairwell to Basement	Mastic associated with M-03	BN002167 BN002168	Good/Non-Friable	NAD	120	SF	
M-05	General Plant Building	Stairwell to Basement	Grout/Adhesive associated with 12" x 5" Ceramic Wall Tile	BN002169 BN002170	Good/Non-Friable	NAD	1,230	SF	
M-06	General Plant Building	1st Floor - Restroom behind Kitchen	Grout/Adhesive associated with 4" Beige Ceramic Wall Tile	260, 261 BN002171 BN002172	Good/Non-Friable	NAD	450	SF	
M-07	General Plant Building	1st Floor - Restroom behind Kitchen	Yellow Cove Base Mastic	BN002173 BN002174	Good/Non-Friable	NAD	25	LF	
M-08	General Plant Building	1st Floor - Kitchen, Rooms adjacent to Main Conference Room	Grout/Adhesive associated with 6" Red Ceramic Tile	234, 235 BN002175 BN002195	Good/Non-Friable	NAD	2,335	SF	
M-09	General Plant Building	1st Floor - Kitchen under Sink Area. Rooms adjacent to Main Conference Room	Tar Floor Coating	BN002176 BN002177	Good/Non-Friable	NAD	20	SF	
M-10	General Plant Building	1st Floor - Kitchen Storage Room	12" x 12" Floor Tile Gray/Blue	BN002178 BN002179	Good/Non-Friable	NAD	240	SF	
M-11	General Plant Building	1st Floor - Kitchen Storage Room	Mastic associated with M-10	BN002180 BN002181	Good/Non-Friable	NAD	240	SF	
M-12	General Plant Building	Throughout General Plant 1st Floor - Kitchen, Kitchen Storage, Cafeteria, WFG Manager's Office, Training Room, AQNS, Financial Conference Room, Old Manufacturing Room 20	Gypsum Board	207, 208, 209, 244, 245, 246 BN002182 BN002239 BN002240 BN002241	Good/Non-Friable	NAD	23,800	SF	
M-13	General Plant Building	Throughout General Plant 1st Floor - Kitchen, Kitchen Storage, Cafeteria, WFG Manager's Office, Training Room, AQNS, Financial Conference Room, Old Manufacturing Room 20	Joint Compound	249, 250, 251 BN002183 BN002184 BN002200 BN002242	Good/Non-Friable	10.5% Asbestos	23,800	SF	Previously Sampled Positive
M-14	General Plant Building	1st Floor - Cafeteria	Yellow Cove Base Mastic	BN002185 BN002186 BN002245	Good/Non-Friable	NAD	430	LF	

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Main Plant
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HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
M-15	General Plant Building	1st Floor - Cafeteria	White Sink Mastic	BN002187 BN002188	Good/Non-Friable	NAD	1	EA	
M-16	General Plant Building	1st Floor - Cafeteria	2' x 4' Ceiling Tiles Pin Dot	BN002189 BN002190	Good/Friable	NAD	5,550	SF	
M-17	General Plant Building	1st Floor - Cafeteria	Jute Back Sheet Flooring White/Blue Pattern	189, 191 BN002191 BN002192	Good/Non-Friable	NAD	5,950	SF	
M-18	General Plant Building	1st Floor - Cafeteria	Mastic associated with M-17	190, 192 BN002193 BN002194	Good/Non-Friable	NAD	5,950	SF	
M-19	General Plant Building	1st Floor - Audio/Visual Room	Residual Black Mastic under Carpet Squares	2	Good/Non-Friable	1.25% Asbestos	630	SF	Previously Sampled Positive
M-21	General Plant Building	1st Floor - Conference Room, Continuous Improvement, Financial Room, Metals Shop, Manufacturing/Engineering Room	Gray/Black Linoleum	183, 197, 199, 201 BN002201 BN002202	Good/Non-Friable	NAD	11,685	SF	
M-22	General Plant Building	1st Floor - Conference Room, Continuous Improvement, Financial Room, Metals Shop, Manufacturing/Engineering Room	Mastic associated with M-21	184, 198, 200, 202 BN002203 BN002204	Good/Non-Friable	NAD	11,685	SF	
M-23	General Plant Building	1st Floor - Conference Room, Continuous Improvement, Financial Room, Metals Shop	2' x 2' Ceiling Tiles Fissured	BN002205 BN002206	Good/Friable	NAD	7,180	SF	
M-24	General Plant Building	1st Floor - Fitness Center, Auditorium, Communication Studio/Control, Conference, UAN Benefits, Fitness Center Medical Room, File Room, Telephone Closet, Manufacturing/Engineering Room, Metals Shop, Training Room, Hallway adjacent to Metals Shop, Janitorial Services Room	Residual Black Mastic	125 BN002251 BN002207 BN002208	Good/Non-Friable	1.5% Asbestos	10,320	SF	Previously Sampled Positive. Black residual mastic is typically found, but not limited too, under linoleum and/or under grey levelastic throughout northwest offices and rooms. Flooring applications negative for asbestos that are contaminated with residual black mastic should be handled and disposed as regulated asbestos waste.
M-25	General Plant Building	1st Floor - Fitness Center, File Room,	Gray Mottled Jute Back Sheet Flooring	BN002209 BN002210	Good/Non-Friable	NAD	1,250	SF	
M-26	General Plant Building	1st Floor - Fitness Center, File Room,	Mastic associated with M-25	BN002211 BN002212	Good/Non-Friable	NAD	1,250	SF	
M-27	General Plant Building	1st Floor - South Hallway adjacent to Cafeteria	12" x 12" Floor Tile Light Gray	119, 121, 187 BN002213 BN002214	Good/Non-Friable	NAD	750	SF	
M-28	General Plant Building	1st Floor - South Hallway adjacent to Cafeteria	Yellow Mastic associated with M-27	120, 122, 188 BN002215 BN002216	Good/Non-Friable	NAD	750	SF	
M-29	General Plant Building	1st Floor - West Hallway adjacent to Cafeteria	12" x 12" Floor Tile Dark Gray	BN002217 BN002218	Good/Non-Friable	NAD	1,070	SF	

Table 1
Homogeneous Application Table
Main Plant
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Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
M-30	General Plant Building	1st Floor - West Hallway adjacent to Cafeteria	Black Mastic associated with M-29	BN002219 BN002220	Good/Non-Friable	Trace	1,070	SF	
M-31	General Plant Building	1st Floor - Telephone Room, Telecom Room	9" x 9" Floor Tile Gray	110, 179	Good/Non-Friable	3.1% Asbestos	100	SF	Previously Sampled Positive
M-32	General Plant Building	1st Floor - Telephone Room, Telecom Room	Mastic associated with M-31	111, 180	Good/Non-Friable	2.3% Asbestos	100	SF	Previously Sampled Positive
M-33	General Plant Building	1st Floor - Telecom Room	12" x 12" Floor Tile White with Blue Specks	181 BN002221 BN002222	Good/Non-Friable	NAD	125	SF	
M-34	General Plant Building	1st Floor - Telecom Room	Black Mastic associated with M-33	182 BN002223 BN002224	Good/Non-Friable	NAD	125	SF	
M-36	General Plant Building	1st Floor - Vault Room	Gasket associate with Vault Door	109	Good/Friable	40% Asbestos	1	EA	
M-37	General Plant Building	1st Floor - Vault Room	9" x 9" Floor Tile White with Brown Streaks	106	Good/Non-Friable	NAD	500	SF	Previously Sampled Positive
M-38	General Plant Building	1st Floor - Vault Room	Mastic associated with M-37	107	Good/Non-Friable	5.5% Asbestos	500	SF	Previously Sampled Positive
M-39	General Plant Building	1st Floor - Hallway on East Side of Vault Room	12" x 12" Floor Tile Tan with White Specks	BN002225 BN002226	Good/Non-Friable	NAD	200	SF	
M-40	General Plant Building	1st Floor - Hallway on East Side of Vault Room	Mastic associated with M-39	BN002227 BN002228	Good/Non-Friable	NAD	200	SF	
M-41	General Plant Building	1st Floor - West Side of Offices	Interior Window Glazing	252, 253	Good/Non-Friable	12.3% Asbestos	1,200	LF	Previously Sampled Positive Approximate Window Size is 4' x 8'
M-42	General Plant Building	1st Floor - Metal Room, Engineering, Manufacturing Room	Cove Base Mastic	BN002229 BN002230	Good/Non-Friable	NAD	30	LF	
M-43	General Plant Building	Throughout Interior Perimeter of Building	Black Weather Sealant	BN002231 BN002232	Good/Non-Friable	6.4% Asbestos	1,455	SF	Material is located around building perimeter. Material is behind heaters and gypsum board.
M-64	General Plant Building	1st Floor - Main Conference Room	Black Jute Back Sheet Flooring	127 BN002252 BN002253	Good/Non-Friable	NAD	2,930	SF	
M-65	General Plant Building	1st Floor - Main Conference Room	Mastic associated with M-64	BN002254 BN002255	Good/Non-Friable	NAD	2,930	SF	
M-66	General Plant Building	1st Floor - Vacant Rooms across from Copy/Drawing Control Room	Black Window Glazing	BN002256 BN002257	Good/Non-Friable	10.7% Asbestos	50	LF	Approximately Windows Size is 3' x 5'
M-67	General Plant Building	1st Floor - Men's Locker Room, Vacant Office, EPS Room, Vault	Brown Cove Base Mastic	108 BN002258 BN002259	Good/Non-Friable	1.05% Asbestos	275	LF	

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Main Plant
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Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
M-68	General Plant Building	1st Floor - Copy/Drawing Room, Main Entrance Hall, Outside UAW Benefits, Fitness Center	Gray Window Glazing	BN002260 BN002261 BN002262 BN002263	Good/Non-Friable	6.7% Asbestos	1,310	LF	Approximate Window Size is 3' x 5'
M-69	General Plant Building	Janitor's Closet in Men's Locker Room	12" x 12" Floor Tile Tan	242 BN002264 BN002265	Good/Non-Friable	3.8% Asbestos	25	SF	
M-70	General Plant Building	Janitor's Closet in Men's Locker Room	Mastic associated with M-69	243 BN002266 BN002267	Good/Non-Friable	Trace	25	SF	
M-71	General Plant Building	EDS Rooms	Pedestal Glue associated with Raised Flooring	BN002268 BN002269	Good/Non-Friable	NAD	2,200	SF	
M-72	General Plant Building	EDS Rooms	2' x 2' Ceiling Tile Fissured	17, 18, 19 BN002270 BN002271	Good/Friable	NAD	2,200	SF	
M-73	General Plant Building	EDS Room Ramp and Stairs	Tread Mastic	BN002272 BN002273	Good/Non-Friable	NAD	100	SF	
M-74	General Plant Building	Large Locker Rooms on the Northeast Side, Main Corridor Locker Room, Janitor's Closet	Brown Gypsum Board on Ceiling	BN002274 BN002275	Good/Non-Friable	NAD	1,200	SF	
M-75	General Plant Building	North Side Entrance	Grey Interior Caulking associated with Windows and Doors	178 BN002276 BN002277	Good/Non-Friable	NAD	220	LF	
M-76	General Plant Building	North Side Entrance	White Window Caulking	BN002278 BN002279	Good/Non-Friable	NAD	200	LF	Approximate Window Size 4' x 8'
M-78	General Plant Building	Entrance Area near Security	12" Ceiling Tile Spline Suspended	16 BN002280 BN002281	Good/Friable	NAD	440	SF	
M-79	General Plant Building	DEA Tool Room	Black Mastic associated with Wood Block Floor	247, 248 BN002282 BN002283	Good/Non-Friable	NAD	325	SF	
M-80	General Plant Building	DEA Tool Room	12" x 12" Floor Tile Black with White Streaks	BN002284 BN002285	Good/Non-Friable	NAD	155	SF	
M-81	General Plant Building	DEA Tool Room	Mastic associated with M-80	BN002286 BN002287	Good/Non-Friable	NAD	155	SF	
S-01	General Plant Building	Stairwell to Basement, North Side of Basement, Columns in Basement, West Wall of West Side Basement, North Wall of North Side Basement, 1st Floor - Former West Entrance, Telephone, Vault	Base Coat Wall Plaster	11, 105 BN002148 BN002149 BN002150 BN002151 BN002152 BN002196 BN002197 BN002243	Good/Non-Friable	NAD	2,600	SF	

Table 1
Homogeneous Application Table
Main Plant
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
S-02	General Plant Building	Stairwell to Basement, North Side of Basement, Columns in Basement, West Wall of West Side Basement, North Wall of North Side Basement, 1st Floor - Former West Entrance, Telephone, Vault	Skim Coat Wall Plaster	11, 105 BN002153 BN002154 BN002155 BN002156 BN002157 BN002198 BN002199 BN002244	Good/Non-Friable	NAD	2,600	SF	
S-03	General Plant Building	Basement	Skim Coat associated with Concrete Walls	BN002158 BN002159 BN002160 BN002161 BN002162	Good/Non-Friable	NAD	1,200	SF	
S-04	General Plant Building	1st Floor - Telecom Room	Textured Ceiling Plaster	9, 10	Good/Non-Friable	5% Asbestos	170	SF	Previously Sampled Positive
S-05	General Plant Building	1st Floor - Utility Closet. Men's Restroom in West Hallway	Skim Coat Ceiling Plaster	116, 126, 206 BN002233 BN002234 BN002235	Good/Non-Friable	NAD	570	SF	
S-06	General Plant Building	1st Floor - Utility Closet. Men's Restroom in West Hallway	Base Coat Ceiling Plaster	116, 126, 206 BN002236 BN002237 BN002238	Good/Non-Friable	NAD	570	SF	
T-01	General Plant Building	Basement	Gray Canvas Cover associated with Duct Insulation	BN002140 BN002141	Good/Non-Friable	NAD	480	SF	
T-02	General Plant Building	Basement - Exterior Southwest Corner	Endcap Sealant associated with Fiberglass Pipe Insulation	BN003166 BN003167 BN002144 BN002145	Good/Friable	NAD	80	LF	
T-03	General Plant Building	Basement	Tan Paper Layer over Duct Work associated with A/C Units	BN002163 BN002164	Good/Friable	NAD	1,200	SF	
T-04/T-11	General Plant Building	1st Floor - Kitchen above Ceiling, Kitchen Storage, Cafeteria, Crawl Space adjacent to Janitors Closet in Men's Locker Room. Large Locker Room on Northeast Side, Security Office Restroom's, Utility Closet , Main Floor, Telephone Closet. Pipe Chases and Wall Cavities associated with Sinks and Toilets	Hard Pack Fitting Insulation associated with Fiberglass Pipe Insulation on Domestic Water Lines	117, 118 BN002247 BN002248 BN002249 BN002250	Good/Friable	65% Asbestos	100	EA	Material was previously sampled and tested positive in Main Plant. Asbestos containing Danger stickers were observed on accessible fittings throughout the General Plant Building.
T-23	General Plant Building	North Entrance	Insulation associated with Ceiling Heaters		Good/Friable	Assumed Asbestos	5	SF	Previously Sampled Positive. Asbestos containing Danger stickers were observed on the heater. Previously sample results were not found.

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HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
Main Plant									
M-01	Main Plant	Throughout	Vibration Dampener	BN002460 BN002026	Good/Non-Friable	NAD	40	EA	
M-07	Main Plant	Personnel Office near D5 Area, Offices between G7 - H7	Cove Base Mastic	BN002045	Good/Non-Friable	NAD	405	LF	
M-12	Main Plant	Personnel Office D5 Area, Offices between G7 - H7, Offices near E21 Area, Offices near N29 Area, Offices near F33 Area, Break Room near F33 Area	Gypsum Board	BN002348 BN002043	Good/Non-Friable	NAD	5,995	SF	
M-13	Main Plant	Personnel Office D5 Area, Offices near N29 Area	Joint Compound	BN002340 BN002300 BN002301 BN002044	Good/Non-Friable	NAD	2,315	SF	Material is NAD in Main Plant
M-16	Main Plant	Office near B15 Area, Offices near N29, Mezzanine Office near N27, Offices near F33	2' x 4' Ceiling Tile Pindot	189 BN002002 BN002003	Good/Friable	NAD	3,010	SF	
M-44	Main Plant	Throughout	Black Epoxy Flooring on Concrete	171, 175 BN002327 BN002328 BN002020	Damaged/Friable	NAD	542,650	SF	
M-45	Main Plant	Throughout	Safety Switch Electrical Components		Good/Non-Friable	Assumed	325	EA	Safety switches were energized at the time of inspection.
M-46	Main Plant	Offices near D3 Area, Office in Chiller Area, Lab near L3 Area, Offices between G7 - H7, Janitor Closet, Restrooms near L7 Area, Offices near E21 Area, Restrooms near N29 Area, Slop Sink Room , Lab and Offices near G33 Area	2' x 4' Ceiling Tile Fissured	115, 155, 165 BN002019 BN002021	Good/Friable	NAD	10,865	SF	
M-47	Main Plant	Northwest Garage	Glue Daubs associated with Foam Duct Insulation	BN002024 BN002025	Damaged/Friable	Trace	20	SF	
M-48	Main Plant	Northwest Garage	Tan Door Caulking	BN002027	Good/Non-Friable	1.9% Asbestos	40	LF	2 Doors
M-49	Main Plant	Truck Dock Garage	Window Glazing associated with Doors	BN002028	Good/Non-Friable	Trace	2	Doors	
M-50	Main Plant	Truck Dock Garage	Yellow Construction Mastic associated with Garage Doors	BN002029 BN002030	Good/Non-Friable	NAD	180	LF	

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HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
M-51	Main Plant	Storage Areas near Garage Door # 10	Gray Epoxy Flooring	217 BN002031 BN002032	Good/Non-Friable	NAD	1,025	SF	
M-52	Main Plant	Southwest Chiller Room, Personnel Office D5 Area, B27 Area, P29 Area	Black Window Glazing associated with Doors	BN002033 BN002034	Good/Non-Friable	NAD	4	Doors	
M-54	Main Plant	Lab near L3 Area	Gray Sink Mastic	BN002035 BN002036	Good/Non-Friable	NAD	2	EA	
M-55	Main Plant	Lab near L3 Area	Black Composite Flooring Material	158 BN002037 BN002039 BN002041	Good/Non-Friable	NAD	2,640	SF	
M-56	Main Plant	Lab near L3 Area	Yellow Mastic associated with M-55	BN002038 BN002040 BN002042	Good/Non-Friable	NAD	2,640	SF	
M-57	Main Plant	Offices between G7 - H7	Gray Stone Pattern Jute Back Sheet Flooring	BN002050 BN002052	Good/Non-Friable	NAD	1,575	SF	
M-58	Main Plant	Offices between G7 - H7	Yellow Mastic associated with M-58	BN002051 BN002053	Good/Non-Friable	NAD	1,575	SF	
M-59	Main Plant	Offices between G7 - H7	White Door Caulking	BN002054 BN002055	Good/Non-Friable	NAD	120	LF	6 Doors
M-60	Main Plant	Restrooms near L7 Area, Restrooms near N29 Area, Restrooms near G33 Area	Grout/Adhesive associated with 12" x 12" Ceramic Floor Tile	BN002329 BN002056	Good/Non-Friable	NAD	1,490	SF	
M-61	Main Plant	K11 Area, M11 Area, K15 Area, M15 Area, K19 Area, M19 Area, M21 Area, K23 Area, M23 Area, J27 Area, M25 Area	Gaskets associated with Oxiders, Smelting Furnaces, Heat Exchangers	BN002015 BN002057 BN002058	Good/Non-Friable	NAD	1,200	LF	
M-62	Main Plant	Throughout	Caulking associated with Metal Duct Flanges	BN002059 BN002060	Good/Non-Friable	NAD	NA	NA	Material was observed on a loose section of metal duct found on the floor of the main plant.
M-63	Main Plant	Personnel Offices D5 Area	Yellow Carpet Mastic	BN002073 BN002074	Good/Non-Friable	NAD	1,200	SF	
M-82	Main Plant	PMI Garage Office	12" x 12" Floor Tile Off-White	161, 236 BN002288 BN002289	Good/Non-Friable	NAD	75	SF	Top Layer
M-83	Main Plant	PMI Garage Office	Brown Mastic associated with M-82	BN002290 BN002291	Good/Non-Friable	NAD	75	SF	
M-84	Main Plant	PMI Garage Office	12" x 12" Floor Tile Brown	162, 237 BN002292 BN002293	Good/Non-Friable	NAD	75	SF	Bottom Layer

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Main Plant
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HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
M-85	Main Plant	L17 Area, L21 Area	Black Gaskets associated with Fata Furnaces	BN002345 BN002346	Good/Non-Friable	NAD	24	EA	
M-86	Main Plant	L19 Area, L25 Area, M27 Area	Gray Mastic associated with Foam Insulation	BN002336 BN002337	Good/Non-Friable	NAD	1,200	SF	Material is located on the underside of Equipment Mezzanines
M-87	Main Plant	Offices near E21 Area	Green Flake Sheet Flooring	BN002330 BN002332	Good/Non-Friable	NAD	1,500	SF	
M-88	Main Plant	Offices near E21 Area	Gray Mastic associated with M-87	BN002331 BN002333	Good/Non-Friable	NAD	1,500	SF	
M-89	Main Plant	Offices near N29, Mezzanine Office near N27	Yellow Construction Mastic associated with Cloth Wall Panels	BN002341 BN002342	Good/Non-Friable	NAD	2,235	SF	
M-90	Main Plant	2nd Floor Offices near F33 Area, Offices near N29 Area, Mezzanine Offices near N27 Area, Lab and Offices near G33 Area, Office near F33 Area, Break Room near F33 Area Break Room near J33 Area	Black Flooring Material with Silver Specks	156, 193, 195 BN002006 BN002008 BN002004	Good/Non-Friable	NAD	8,570	SF	
M-91	Main Plant	2nd Floor Offices near F33 Area, Offices near N29 Area, Mezzanine Offices near N27 Area, Lab and Offices near G33 Area, Office near F33 Area, Break Room near F33 Area Break Room near J33 Area	Mastic associated with M-90	157, 194, 196 BN002005 BN002007 BN002009	Good/Non-Friable	NAD	8,570	SF	
M-92	Main Plant	M29 - Q29 Area, Sand Silo Garage near Garage Doors, Sand Silo Garage Entrance Area	Caulking associated with the Base of Corrugated Metal Siding	BN002010 BN002011 BN002507	Damaged/Friable	NAD	210	LF	
M-93	Main Plant	Lab near G33 Area, Break Room near F33 Area	Black Sink Mastic	BN002338 BN002339	Good/Non-Friable	NAD	2	EA	
M-94	Main Plant	Lab near G33 Area	Counter Top Material	168, 241 BN002322 BN002323	Good/Non-Friable	NAD	50	SF	
M-95	Main Plant	2nd Floor Office near F33 Area	Fiberboard Wall Panels	BN002320 BN002321	Good/Non-Friable	NAD	1,600	SF	
M-96	Main Plant	2nd Floor Office near F33 Area	Yellow Construction Mastic associated with Fiberboard Wall Panels	BN002017 BN002018	Good/Non-Friable	NAD	1,600	SF	
M-97	Main Plant	Machinery near L35 Area	Gray Sealant on Ductwork associated with Machinery	BN002461 BN002462	Good/Non-Friable	NAD	50	SF	

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HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
M-98	Main Plant	Machinery near L35 Area	Hard Pack Block Material associated with Machinery	BN002463 BN002464	Good/Non-Friable	NAD	25	SF	
M-99	Main Plant	L35 Area	Black Floor Patch	BN002465 BN002466	Good/Non-Friable	NAD	1	SF	
M-100	Main Plant	L35 Area	Paper associated with Black Floor Patch	BN002467 BN002468	Good/Non-Friable	NAD	1	SF	
M-101	Main Plant	Pipe Fitter to Aerial Lift J35 Area	Sealant associated with Concrete Footings	BN002471 BN002472	Good/Non-Friable	NAD	90	LF	
M-102	Main Plant	Between D37 - E37 Area	Electrical Wrap associated with Battery Banks	BN002473 BN002474	Good/Non-Friable	NAD	205	LF	
M-103	Main Plant	Meeting Room J37 Area	Yellow Carpet Mastic	BN002475 BN002476	Good/Non-Friable	NAD	560	SF	
M-104	Main Plant	Meeting Room J37 Area	Residual Black Mastic Under Carpet	BN002477 BN002478	Good/Non-Friable	NAD	560	SF	
M-105	Main Plant	Restrooms adjacent to Meeting Room J37 Area	Beige Linoleum	163, 240 BN002479 BN002480	Good/Non-Friable	NAD	120	SF	
M-106	Main Plant	Restrooms adjacent to Meeting Room J37 Area	Brown Mastic associated with M-105	164 BN002481 BN002482	Good/Non-Friable	NAD	120	SF	
M-107	Main Plant	Throughout East Side Rows 37 thru 47 Area	Black Expansion Joint Caulking associated with Concrete Floors	BN002483 BN002484	Damaged/Non-Friable	NAD	9,000	LF	Thin Black Tar Based Material
M-108	Main Plant	E41 Area	Black Floor Patch	BN002485 BN002486	Damaged/Non-Friable	NAD	15	LF	
M-109	Main Plant	HVCL Web Conveyer near F43 Area	Rope Gasket	BN002487 BN002488	Good/Non-Friable	NAD	20	LF	
M-110	Main Plant	HVCL Web Conveyer near F43 Area	White Sealant associated with Fiberglass Insulation	BN002489 BN002490	Good/Non-Friable	NAD	200	LF	
M-111	Main Plant	HVCL Web Conveyer near F43 Area	White Heat Shield inside HVCL Aux Burner	BN002491 BN002492	Good/Non-Friable	NAD	50	SF	
M-112	Main Plant	HVCL Web Conveyer near F44 Area	Window Glazing associated with Office Windows	BN002493 BN002494	Good/Non-Friable	NAD	45	LF	Approximate Window Size 2' x 5'
M-113	Main Plant	HVCL Web Conveyer near F44 Area	White Sealant associated with Fiberglass Insulation on Conveyer	BN002495 BN002496	Good/Non-Friable	NAD	540	SF	
M-114	Main Plant	HVCL Web Conveyer near F44 Area	Sealant associated with Metal Grates Inside Conveyer	BN002497 BN002498	Good/Non-Friable	NAD	240	LF	

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Main Plant
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HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
M-115	Main Plant	HVCL Web Conveyer near F44 Area	Yellow Paint with Black Backing over Metal Grate Surface	BN002499 BN002500	Good/Non-Friable	NAD	1,500	SF	
M-116	Main Plant	D47 Office Area - Team Center	12" x 12" Floor Tile Black with White Streaks	153, 238 BN002501 BN002502	Good/Non-Friable	NAD	505	SF	
M-117	Main Plant	D47 Office Area - Team Center	Mastic associated with M-116	154, 239 BN002503 BN002504	Good/Non-Friable	NAD	505	SF	
M-118	Main Plant	Sand Silo Garage	Black Window Glazing on Door	BN002505 BN002506	Good/Non-Friable	NAD	10	LF	1 Door
M-119	Main Plant	East Side of Main Plant	Expansion Joint Caulking associated with Concrete Floors	BN002508 BN002509	Good/Non-Friable	NAD	8,500	LF	Thicker Material
M-120	Main Plant	F43 Area	Fire Blanket	BN002510 BN002511	Good/Non-Friable	NAD	875	SF	
M-121	Main Plant	F43 Area under HVCL Web Conveyer	White Mastic associated with Iron Footings	BN002512 BN002513	Good/Non-Friable	NAD	32	SF	
M-122	Main Plant	J29 Area	Gasket associated with Round Ductwork from Large Smelting Furnaces	BN002600 BN002601	Good/Non-Friable	NAD	NA	NA	Material is located throughout the east end of the main plant and associated with large smelting furnace ductwork.
M-123	Main Plant	Mezzanine D53 Area, Mezzanine K31 Area	Gaskets associated with Doors to Mezzanine Driers	BN002602 BN002603	Good/Non-Friable	49.7% Asbestos	14	EA	
M-124	Main Plant	Throughout	Sealant on Fiberglass Pipe Insulation associated with Storm Drain	BN002604 BN002605	Good/Non-Friable	NAD	200	LF	Found this material only in one location in the main plant.
M-127	Main Plant	Electrical Room Bay 47 - 48	Interior Window Glazing	230, 231 BN002610 BN002611	Good/Non-Friable	1.5% Asbestos	10	Windows	Approximate Window Size 4' x 5'
M-131	Main Plant	C35 Area	Interior White Paint on Metal Siding	BN002619 BN002349	Good/Non-Friable	NAD	NA	NA	Material has an orange peel look. Material appears to be a thin paint found throughout the plant.
M-132	Main Plant	Boiler Room	White Gasket associated with Pipe Flanges	BN002520 BN002521	Good/Friable	NAD	NA	NA	Gasket is loose on floor. Material is likely found throughout the Main Plant
M-133	Main Plant	Boiler Room	Green Gasket associated with Pipe Flanges	BN002522 BN002523	Good/Friable	NAD	NA	NA	Gasket is loose on floor. Material is likely found throughout the Main Plant
M-138	Main Plant	Northwest Garage	Red Gaskets associated with Pipe Flanges	BN002532 BN002533	Good/Non-Friable	NAD	NA	NA	Material is found throughout the Main Plant
S-01	Main Plant	South West side of Personnel Office	Base Coat Wall Plaster	177 BN002047 BN002049	Damaged/Friable	NAD	400	SF	

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S-02	Main Plant	South West side of Personnel Office	Skim Coat Wall Plaster	177 BN002046 BN002048	Damaged/Friable	NAD	400	SF	
T-02	Main Plant	Throughout	Endcap Sealant associated with Fiberglass Pipe Insulation	151 BN002335 BN002022 BN002023 BN002047 BN002049	Good/Friable	NAD	270	EA	
T-05	Main Plant	H9 Area, Between C9 - C11 Area, J11 Area, P11 Area, B15 Area, P19 Area, J19 Area, E23 Area, C27 Area, G27 Area, J41 Area, J43 Area, H39 Area, H43 Area	Hard Pack Fitting Insulation associated with Fiberglass Pipe Insulation on Storm Drain Lines	146	Good/Friable	40% Asbestos	43	EA	Previously Sampled Positive
T-06	Main Plant	Between C7 - C9 Area	Hard Pack Fitting Insulation associated with Fiberglass Pipe Insulation on Steam Lines		Good/Friable	Assumed	5	EA	Previously Sampled Positive. Asbestos containing Danger stickers were observed on fitting. Previously sample results were not found.
T-07	Main Plant	Office Roof near B13 Area	Hard Pack Endcap Insulation associated with Hot Water Tank	104 BN002064 BN002065 BN002066	Good/Friable	NAD	80	SF	
T-08	Main Plant	Office Roof near B13 Area	Jacket associated with Hot Water Tank	BN002067 BN002068 BN002069	Good/Friable	NAD			Tank Dimensions 6' x 6' x 8'
T-09	Main Plant	M11 Area, K15 Area, M19 Area, M21 Area, M23 Area, M25 Area, E37 Area	Firebrick associated with Smelting Furnaces	213 BN002334 BN002070 BN002071 BN002072	Damaged/Friable	NAD	3,600	SF	
T-10	Main Plant	M11 Area, K15 Area, M19 Area, M21 Area, M23 Area, M25 Area, E37 Area	Hard Pack Insulation associated with Smelting Furnace Lids	215 BN002016 BN002061 BN002062 BN002063	Damaged/Friable	NAD	240	SF	
T-04/T-11	Main Plant	J9 Area, C11 Area, J17 Area, E23 Area, F23 Area, Mezzanine Restrooms on top of Compressor Room,	Hard Pack Fitting Insulation associated with Fiberglass Pipe Insulation on Domestic Water Lines	148 BN002514	Good/Friable	65% Asbestos	60	EA	Previously Sampled Positive
T-12	Main Plant	Substation 1, 2, 3, Northeast Fire Crib Area	Sealant on Fiberglass Duct Insulation	210 BN002294 BN002295	Damaged/Friable	NAD	235	SF	
T-13	Main Plant	Boiler Room	Endcap Sealant associated with Fiberglass Pipe Insulation	BN002296 BN002267	Good/Friable	NAD	20	EA	Red Lines

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T-14	Main Plant	Boiler Room	Endcap Sealant associated with Fiberglass Pipe Insulation	BN002298 BN002299	Good/Friable	NAD	20	EA	Silver Lines
T-325	Main Plant	Northeast Boiler Room	Duct Insulation	BN002698 BN002699 BN003019	Damaged/Friable	Trace	850	SF	
T-17	Main Plant	Throughout	White Sealant on Fiberglass Duct Insulation	BN002343 BN002344 BN002347 BN002519	Good/Friable	NAD	NA	NA	
T-18	Main Plant	Throughout	Fire Blanket Material	BN002000 BN002001	Good/Non-Friable	NAD	4,120	SF	
T-19	Main Plant	F37 Area, P29 Area, N29 Area, M29 Area, J29 Area, G39 Area	Hard Pack Insulation/Mortar associated with Large Smelting Furnaces	214 BN002012 BN002013 BN002014	Damaged/Friable	NAD	24,000	SF	
T-20	Main Plant	P29 Area, N29 Area, M29 Area, J29 Area	White Fiberglass Type Insulation associated with Large Smelting Furnaces	216 BN002324 BN002325 BN002326	Damaged/Friable	NAD	600	SF	
T-21	Main Plant	L35 Area	Hard Pack Insulation associated with Pump Dry Out Booth	BN002469 BN002470	Good/Friable	NAD	350	SF	Red/Gray Color
T-22	Main Plant	F45 Area	Gray Patch on Duct Insulation	BN002515 BN002516	Good/Friable	NAD	300	SF	
T-24	Main Plant	Compressor Room, E19 Area, C19 Area, D19 Area	Pipe Wrap associated with Fiberglass Pipe Insulation on Storm Drain Line	BN002614 BN002615 BN002616	Good/Friable	NAD	175	LF	
Tunnels									
M-134	Main Plant - Tunnel	Large Die Cast Tunnel	Black Pipe Wrap	172 BN002524 BN002525	Good/Non-Friable	NAD	50	SF	
M-135	Main Plant - Tunnel	Large Die Cast Tunnel	Paper associated with Corrugated Metal Deck	BN002526 BN002527	Good/Friable	NAD	200	SF	
M-136	Main Plant - Tunnel	Large Die Cast Tunnel	Door Caulking	BN002528	Good/Non-Friable	NAD	10	LF	
M-137	Main Plant - Tunnel	Small Die Cast Tunnel	Wrap associated with Electrical Wires	221, 222 BN002529	Good/Non-Friable	NAD	2	LF	
Exterior									

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HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
M-01	Main Plant - Roof Top	Substations - Q33, M35, N41, K45, H37, G45, C44, D47, B47, B51, D51, K35, P23, P17, P7, M5, L11, J13, J15, J19	Vibration Dampener	BN003246	Good/Non-Friable	NAD	60	EA	
M-125	Main Plant	Exterior - Tank North of Water Treatment Building	Gray Sealant on Foam Tank Insulation	BN002606 BN002607 BN002608	Good/Non-Friable	NAD			Tank Dimensions 25' x 35'
M-126	Main Plant	Exterior - Tank North of Water Treatment Building	Yellow/Brown Adhesive associated with Tank Insulation	BN002609	Good/Non-Friable	NAD			Tank Dimensions 25' x 35'
M-128	Main Plant	Electrical Room Bay 47 - 48	Exterior Caulking associated with Window Mullions	BN002612 BN002613	Good/Friable	1.5% Asbestos	150	LF	30 Mullions
M-129	Main Plant	North Side Brick Portion of Main Plant	Exterior Window Caulking on Brick	BN002617 BN002618	Damaged/Friable	3.5% Asbestos	10	LF	
M-130	Main Plant	North Side Brick Portion of Main Plant	Exterior Caulking between Brick and Corrugated Metal Siding		Damaged/Friable	Assumed Positive	25	LF	
M-140	Main Plant	Exterior - Southwest Corner	Endcap Sealant associated with Fiberglass Pipe Insulation	BN003166	Good/Friable	NAD	20	EA	
M-141	Main Plant	Exterior - West Side Loading Docks	Expansion Joint Caulking associated with Pavement	BN003167	Good/Non-Friable	NAD	2,300	LF	
M-142	Main Plant	Exterior - West Side Loading Docks	Concrete Sealant	BN003168	Good/Non-Friable	NAD	60	LF	
M-143	Main Plant - Roof Top	Substations - Q33, M35, N41, K45, H37, G45, C44, D47, B47, B51, D51, K35, P23, P17, P7, M5, L11, J13, J15, J19	Gray Sealant associated with Fiberglass Duct Insulation	BN003240 BN003241 BN003242	Good/Friable	2.3% Asbestos	2,850	SF	
M-144	Main Plant - Roof Top	M37 White Structure, North of M35 Area, E39 Area	Tar Sealant associated with Foam Pipe Insulation	143	Good/Non-Friable	8% Asbestos	35	LF	Previously Sampled Positive
M-145	Main Plant - Roof Top	West of M35 Area, H37 Area, East of F37 Area	White Sealant associated with Round Metal Duct	BN003243 BN003244 BN003245	Good/Non-Friable	1.9% Asbestos	300	SF	
M-146	Main Plant - Roof Top	Substations - H37, F37, C42, P15	Black Wrap associated with Copper Pipes and Elbows	145	Good/Non-Friable	4.7% Asbestos	40	SF	Previously Sampled Positive
M-147	Main Plant - Roof Top	Substations - H37, F37, D51, P15	White Caulking around Interior Metal Doors	BN003274 BN003275 BN003276	Good/Non-Friable	1.1% Asbestos	450	LF	
M-148	Main Plant - Roof Top	B44 Area	Gray Caulking associated with Evapco Units	BN003247 BN003248	Good/Non-Friable	NAD	470	LF	2 Units
M-149	Main Plant - Roof Top	B44 Area	Gray Caulking associated with Air Handlers	BN003249 BN003250	Good/Non-Friable	3.4% Asbestos	520	LF	3 Units

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M-150	Main Plant - Roof Top	Throughout	Caulking associated with Blue Blower Units	BN003251 BN003252	Good/Non-Friable	1.9% Asbestos	320	LF	16 Units
M-151	Main Plant - Roof Top	D37 Area	Cloth Gasket associated with Duct Flange	BN003253 BN003254	Damaged/Friable	23.5% Asbestos	20	LF	Material is located on a loose duct laying on metal grate.
M-152	Main Plant - Roof Top	Throughout	Caulking associated with Corrugated Metal Siding	BN003255 BN003256	Good/Non-Friable	2.3% Asbestos	23,200	SF	Material was observed on bolts and seams of the corrugated metal siding of 29 substations.
M-152	Main Plant - Roof Top	Exterior wall of plant accessible from lower the roof between L1 - L9	Caulking associated with Corrugated Metal Siding	BN003257	Good/Non-Friable	2.3% Asbestos	3,000	SF	Material was observed on corrugated metal siding on exterior wall of building.
M-153	General Plant Building	Exterior - Main Entrance, Throughout Exterior of General Plant Building, West Entrance	Gray Window Caulking	256, 257 BN003258 BN003259	Good/Non-Friable	NAD	1,530	LF	
M-154	General Plant Building	Exterior of General Plant Building	Window Glazing	254, 255 BN003260 BN003261	Good/Non-Friable	1.2% Asbestos	70	Windows	Material was not observed on all the windows. Window Size 3.5' x 6.5'
M-155	General Plant Building	Exterior of General Plant Building - North and Northeast Side	Exterior Caulking on Brick	BN003262 BN003263	Good/Non-Friable	8.5% Asbestos	360	LF	
M-156	General Plant Building	Throughout the Exterior of General Plant Building	Expansion Joint Caulking associated with Brick Wall Seams	BN003264 BN003265	Good/Non-Friable	NAD	255	LF	Material is soft and pliable.
M-157	General Plant Building/Main Plant	Northeast Side of General Plant Building, Along the North Side of Main Plant	Black Expansion Joint Caulking along base of Brick Wall	BN003266 BN003267	Good/Non-Friable	NAD	1,850	LF	
M-158	Main Plant	Brick Portion of Main Plant, Roof Top Brick Wall C1 - C9	Expansion Joint Caulking associated with Brick Wall Seams	232, 233 BN003268 BN003269	Damaged/Friable	3.8% Asbestos	110	LF	
M-159	Main Plant	Garage Doors on the North Side of the Main Plant	Caulking associated with Garage Doors	BN003270 BN003271	Good/Non-Friable	4.3% Asbestos	150	LF	
M-160	Main Plant	Loading Dock adjacent to Bay 41	Caulking associated with Loading Dock	BN003272 BN003273	Good/Non-Friable	NAD	15	LF	
M-161	General Plant/Main Plant - Roof Top	JK1 Area, D3 Area, BC12 - BC27, CD11, CD28	Transite Pipe associated with Exhaust Vent Pipe	144	Good/Non-Friable	90% Asbestos	65	LF	Previously Sampled Positive. 8 Transite pipes observed. 12" pipe diameters.
M-162	Main Plant	Exterior Cooling Tower	Black Sealant on Glycol Lines	152	Good/Non-Friable	2% Asbestos	20	SF	Previously Sampled Positive
M-327	Main Plant	Bay Doors 27, 28, 29, 30, 31	Exterior Caulking associated with Bay Doors	BN003021 BN003022	Good/Non-Friable	Trace	80	LF	
S-07	Main Plant	Exterior Cooling Tower	Spray On Fireproofing	226, 227, 228	Good/Friable	NAD	2,000	SF	

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HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
T-25	Main Plant	Exterior - Cooling Tower	Fiberglass Type Insulation	BN003164 BN003165	Good/Friable	NAD	2,000	SF	
Roofing Materials									
M-163	Main Plant	BE47 - BE55	Built Up Roofing	BN002540 BN002541 BN002542	Good/Non-Friable	NAD	30,000	SF	Replaced in 2005
M-164	Main Plant	BE47 - BE55	Tar Sealant on top of Foam Insulation	BN002543 BN002544 BN002545	Good/Non-Friable	NAD	30,000	SF	Replaced in 2005
M-165	Main Plant	BE47 - BE55	Tar Sealant on Metal Deck	BN002546 BN002547 BN002548	Good/Non-Friable	NAD	30,000	SF	Replaced in 2005
M-166	Main Plant	BE47 - BE55	Built Up associated with Roof Penetrations	BN002549 BN002550	Good/Non-Friable	NAD	1,100	SF	Replaced in 2005
M-167	Main Plant	BE47 - BE55	Tar Sealant on Foam Insulation associated with Penetrations	BN002551 BN002552	Good/Non-Friable	NAD	1,100	SF	Replaced in 2005
M-168	Main Plant	BE47 - BE55	Flashing Cement associated with Penetrations and Patches	BN002553 BN002554	Good/Non-Friable	NAD	1,100	SF	Replaced in 2005
M-169	Main Plant	B46 - B55 B55 - E55 E47 - E55	Built Up associated with Perimeter Roofing	BN002555 BN002556	Good/Non-Friable	NAD	1,400	SF	Replaced in 2005
M-170	Main Plant	BE45 - BE47 BD41 - BD45 GL35 - GL39 KL33 - KL35 BC12 - BC27 Substation Roof CD41 - CD43	Built Up Roofing	BN003005 BN003006 BN003007 BN002429 BN002557	Good/Non-Friable	NAD	57,500	SF	Replaced in 1994. Quantity includes substation roof.
M-171	Main Plant	BE45 - BE47 BD41 - BD45 GL35 - GL39 KL33 - KL35 BC12 - BC27 Substation Roof CD41 - CD43	Tar Sealant on top of Foam Insulation	BN003008 BN003009 BN003010 BN002430 BN002558	Good/Non-Friable	NAD	57,500	SF	Replaced in 1994. Quantity includes substation roof.
M-172	Main Plant	BE45 - BE47 BD41 - BD45 GL35 - GL39 KL33 - KL35 BC12 - BC27 Substation Roof CD41 - CD43	Built Up associated with Roof Penetrations	BN003011 BN003012 BN002431 BN002559	Good/Non-Friable	NAD	1,400	SF	Replaced in 1994. Quantity includes substation roof.
M-173	Main Plant	BE45 - BE47 BD41 - BD45 GL35 - GL39 KL33 - KL35 BC12 - BC27 Substation Roof CD41 - CD43	Flashing Cement associated with Penetrations and Patches	BN003013 BN003014 BN002432 BN002560	Good/Non-Friable	NAD	1,400	SF	Replaced in 1994. Quantity includes substation roof.
M-174	Main Plant	B41 - B47 BC12 - BC27 Substation Roof CD41 - CD43	Built Up associated with Perimeter Roofing	BN003015 BN003016 BN002433 BN002561 BN002562	Good/Non-Friable	NAD	2,350	SF	Replaced in 1994. Quantity includes substation roof.

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M-175	General Plant/Main Plant	Throughout	Asphalt Walking Pads	BN002434 BN002563 BN002700 BN002701	Good/Non-Friable	NAD	340	SF	Material is typically found at the base of stairs associated with roof top substations. Material is found at the top of roof top ladders.
M-176	General Plant/Main Plant	BC37 - BC41 ED41 - ED45 KM31 - KM33 FH29 - FH33 FG27 - FH29 AAHH1A - AAHH7	Built Up Roofing	BN002639 BN002640 BN002641 BN002564 BN002565 BN002702 BN002703	Good/Non-Friable	NAD	56,250	SF	Replaced in 1991
M-177	General Plant/Main Plant	BC37 - BC41 ED41 - ED45 KM31 - KM33 FH29 - FH33 FG27 - FH29 AAHH1A - AAHH7	Tar Sealant on top of Foam Insulation	BN002642 BN002643 BN002644 BN002566 BN002567 BN002704 BN002705	Good/Non-Friable	NAD	56,250	SF	Replaced in 1991
M-178	General Plant/Main Plant	BC37 - BC41 ED41 - ED45 KM31 - KM33 FH29 - FH33 FG27 - FH29 AAHH1A - AAHH7	Built Up associated with Roof Penetrations	BN002645 BN002646 BN002568 BN002569 BN002706	Good/Non-Friable	6.1% Asbestos	3,160	SF	Replaced in 1991. Quantity includes Substation
M-179	General Plant/Main Plant	BC37 - BC41 ED41 - ED45 KM31 - KM33 FH29 - FH33 FG27 - FH29 AAHH1A - AAHH7	Flashing Cement associated with Penetrations and Patches	BN002647 BN002648 BN002570 BN002571 BN002707	Good/Non-Friable	1.6% Asbestos	3,160	SF	Replaced in 1991. Quantity includes Substation
M-180	General Plant/Main Plant	B37 - B41 F33 - H33 AA1A - GG1A	Built Up associated with Perimeter Roofing	BN002649 BN002650 BN002572 BN002573 BN002708 BN002709	Good/Non-Friable	15% Asbestos	1,250	SF	Replaced in 1991
M-181	General Plant/Main Plant	BC37 - BC41 KM31 - KM33 FH29 - FH33 FG27 - FH29 AAHH1A - AAHH7	Tar Sealant on Metal Deck	BN002651 BN002652 BN002574 BN002710 BN002711	Good/Non-Friable	30.1% Asbestos	51,250	SF	Replaced in 1991
M-182	Main Plant	CE37 - CE41 NQ35 - NQ37 MQ27 - MQ29 PQ15 - PQ27 Substation Roof QR35 - QR37	Built Up Roofing	BN002435 BN002653 BN002575 BN002426	Good/Non-Friable	10.7% Asbestos	40,000	SF	Replaced in 1996. Quantity includes substation roof.
M-183	Main Plant	CE37 - CE41 NQ35 - NQ37 MQ27 - MQ29 PQ15 - PQ27 Substation Roof QR35 - QR37	Tar Sealant on top of Foam Insulation	BN002436 BN002654 BN002576 BN002427	Good/Non-Friable	24% Asbestos	40,000	SF	Replaced in 1996. Quantity includes substation roof.
M-184	Main Plant	CE37 - CE41 NQ35 - NQ37 MQ27 - MQ29 PQ15 - PQ27 Substation Roof QR35 - QR37	Tar Sealant on Metal Deck	BN002437 BN002577 BN002428	Good/Non-Friable	20.2% Asbestos	40,000	SF	Replaced in 1996. Quantity includes substation roof.

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M-185	Main Plant	CE37 - CE41 NQ35 - NQ37 MQ27 - MQ29 PQ15 - PQ27 Substation Roof QR35 - QR37	Built Up associated with Roof Penetrations	BN002438 BN002655 BN002578	Good/Non-Friable	9.8% Asbestos	4,310	SF	Replaced in 1996. Quantity includes Substations. Quantity includes roof seams with metal top. Quantity includes substation roof.
M-186	Main Plant	CE37 - CE41 NQ35 - NQ37 MQ27 - MQ29 PQ15 - PQ27 Substation Roof QR35 - QR37	Flashing Cement associated with Penetrations and Patches	BN002439 BN002656 BN002579	Good/Non-Friable	NAD	4,310	SF	Replaced in 1996. Quantity includes Substations. Quantity includes roof seams with metal top. Quantity includes substation roof.
M-187	Main Plant	CE37 - CE41	Tar Sealant associated with Penetrations - Bottom Layer	BN002400	Good/Non-Friable	16.9% Asbestos	650	SF	Replaced in 1996
M-188	Main Plant	BE35 - BE37	Built Up Patch Material over Original Roof	BN002401 BN002402	Good/Non-Friable	NAD	3,010	SF	
M-189	General Plant/Main Plant	BG35 - BG37 EG37 - EG43 GM39 - GM43 LM33 - LM39 BF29 - BF33 EF27 - EF29 PQ13 - PQ15 NQ7 - NQ13 HHQQ4 - HHQQ7 DDJJ16 - DDJJ18 Substation Roof JK41 - JK43 FG33 - FG35 CD33 - CD35	Built Up Roofing	BN002440 BN002441 BN002403 BN002404 BN002712 BN002713 BN002714 BN002715 BN002716 BN002717	Good/Non-Friable	Trace	35,250	SF	Original Roof. Quantity includes substation roof.
M-190	General Plant/Main Plant	BG35 - BG37 EG37 - EG43 GM39 - GM43 LM33 - LM39 BF29 - BF33 EF27 - EF29 PQ13 - PQ15 NQ7 - NQ13 HHQQ4 - HHQQ7 DDJJ16 - DDJJ18 Substation Roof JK41 - JK43 FG33 - FG35	Tar Sealant on top of Foam/fiberboard Insulation	BN002442 BN002443 BN002405 BN002406 BN002718 BN002719 BN002884 BN002885 BN002886 BN002887	Good/Non-Friable	33.5% Asbestos	35,250	SF	Original Roof. Quantity includes substation roof.
M-191	General Plant/Main Plant	BG35 - BG37 EG37 - EG43 GM39 - GM43 LM33 - LM39 BF29 - BF33 EF27 - EF29 PQ13 - PQ15 NQ7 - NQ13 Substation Roof JK41 - JK43 FG33 - FG35 CD33 - CD35	Tar Sealant on Metal Deck	BN002444 BN002445 BN002407 BN002408 BN002888 BN002889 BN002890	Good/Non-Friable	44.1% Asbestos	22,000	SF	Original Roof. Quantity includes substation roof.

Table 1
Homogeneous Application Table
Main Plant
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
M-192	General Plant/Main Plant	BG35 - BG37 EG37 - EG43 GM39 - GM43 LM33 - LM39 BF29 - BF33 EF27 - EF29 PQ13 - PQ15 NQ7 - NQ13 HHQQ4 - HHQQ7 DDJJ16 - DDJJ18 Substation Roof IK41 - IK43	Built Up associated with Roof Penetrations	BN002446 BN002409 BN002891 BN002892 BN002893 BN002894 BN002895 BN002896 BN002897	Good/Non-Friable	19.6% Asbestos	6,090	SF	Original roof. Quantity includes Substations. Quantity includes roof seams with metal top. Quantity includes substation roof.
M-193	General Plant/Main Plant	BG35 - BG37 EG37 - EG43 GM39 - GM43 LM33 - LM39 BF29 - BF33 EF27 - EF29 PQ13 - PQ15 NQ7 - NQ13 HHQQ4 - HHQQ7 DDJJ16 - DDJJ18 Substation Roof IK41 - IK43	Flashing Cement associated with Penetrations and Patches	BN002447 BN002410 BN002898 BN002899 BN002900 BN002901 BN002902 BN002903 BN002904	Good/Non-Friable	17.3% Asbestos	6,090	SF	Original roof. Quantity includes Substations. Quantity includes roof seams with metal top. Quantity includes substation roof.
M-194	Main Plant	BG35 - BG37 EG37 - EG43 GM39 - GM43 LM33 - LM39 BF29 - BF33 EF27 - EF29 PQ13 - PQ15 NQ7 - NQ13	Tar Sealant associated with Penetrations - Bottom Layer	BN002411	Good/Non-Friable	NAD	4,500	SF	Original roof.
M-195	Main Plant	EJ43 - EJ47	Built Up Roofing	BN002412 BN002413	Good/Non-Friable	NAD	20,000	SF	Replaced in 2000
M-196	Main Plant	EJ43 - EJ47	Tar Sealant on top of Foam Insulation	BN002414 BN002415	Good/Non-Friable	NAD	20,000	SF	Replaced in 2000
M-197	Main Plant	EJ43 - EJ47	Tar Sealant on Metal Deck	BN002416 BN002417	Good/Non-Friable	NAD	20,000	SF	Replaced in 2000
M-198	Main Plant	E47 - J47	Built Up associated with Perimeter Roofing	BN002418 BN002419	Good/Non-Friable	NAD	400	SF	Replaced in 2000
M-199	Main Plant	EJ43 - EJ47	Built Up associated with Roof Penetrations	BN002420 BN002421	Good/Non-Friable	NAD	250	SF	Replaced in 2000
M-200	Main Plant	EJ43 - EJ47	Tar Sealant associated with Penetrations - Bottom Layer	BN002422 BN002423	Good/Non-Friable	NAD	250	SF	Replaced in 2000
M-201	Main Plant	EJ43 - EJ47	Flashing Cement associated with Penetrations and Patches	BN002424 BN002425	Good/Non-Friable	NAD	250	SF	Replaced in 2000
M-202	General Plant/Main Plant	JP43 - JP47 NP13 - NP25 HHQQ1A - HHQQ4 DDJJ12A - DDJJ16 Substation Roof NP24 - NP27	Built Up Roofing	BN002448 BN002449 BN002657 BN002658 BN002905 BN002906 BN002907	Good/Non-Friable	NAD	61,150	SF	Replaced in 2004. Quantity includes substation roof.

Table 1
Homogeneous Application Table
Main Plant
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
M-203	General Plant/Main Plant	JP43 - JP47 NP13 - NP25 HHQQ1A - HHQQ4 DDJJ12A - DDJJ16 Substation Roof NP24 - NP27	Tar Sealant on top of Foam Insulation	BN002450 BN002451 BN002659 BN002660 BN002908 BN002909 BN002910	Good/Non-Friable	24.7% Asbestos	61,150	SF	Replaced in 2004. Quantity includes substation roof.
M-204	General Plant/Main Plant	J47 - P47 P43 - P47 HH1A - MM1A JJ12A - JJ16 Substation Roof NP24 - NP27	Built Up associated with Perimeter Roofing	BN002452 BN002453 BN002911 BN002912	Good/Non-Friable	NAD	1,540	SF	Replaced in 2004. Quantity includes substation roof.
M-205	General Plant/Main Plant	JP43 - JP47 NP13 - NP25 HHQQ1A - HHQQ4 DDJJ12A - DDJJ16 Substation Roof NP24 - NP27	Built Up associated with Roof Penetrations	BN002454 BN002455 BN002661 BN002662 BN002913	Good/Non-Friable	2.1% Asbestos	1,440	SF	Replaced in 2004. Quantity includes Substations. Quantity includes roof seams with metal top. Quantity includes substation roof.
M-206	General Plant/Main Plant	JP43 - JP47 NP13 - NP25 HHQQ1A - HHQQ4 DDJJ12A - DDJJ16 Substation Roof NP24 - NP27	Flashing Cement associated with Penetrations and Patches	BN002456 BN002457 BN002663 BN002664 BN002914	Good/Non-Friable	NAD	1,440	SF	Replaced in 2004. Quantity includes Substations. Quantity includes roof seams with metal top. Quantity includes substation roof.
M-207	Main Plant	MP43 - MP41 MN35 - MN41 GK27 - GK29 BE27 - BE29	Built Up Roofing	BN002458 BN002665 BN002666 BN002915	Good/Non-Friable	NAD	27,500	SF	Replaced in 1995
M-208	Main Plant	MP43 - MP41 MN35 - MN41 GK27 - GK29 BE27 - BE29	Tar Sealant on top of Foam Insulation	BN002459 BN002667 BN002668 BN002916	Good/Non-Friable	NAD	27,500	SF	Replaced in 1995
M-209	Main Plant	MP43 - MP41 MN35 - MN41 BE27 - BE29	Tar Sealant on Metal Deck	BN002620	Good/Non-Friable	NAD	20,000	SF	Replaced in 1995
M-210	Main Plant	P41 - P43 N41 - P41 N37 - N41 B27 - E27 G27 - J27	Built Up associated with Perimeter Roofing	BN002621 BN002669 BN002670 BN002917	Good/Non-Friable	NAD	900	SF	Replaced in 1995
M-211	Main Plant	MP43 - MP41 MN35 - MN41 GK27 - GK29 BE27 - BE29	Built Up associated with Roof Penetrations	BN002622 BN002671 BN002672 BN002918	Good/Non-Friable	NAD	1,725	SF	Replaced in 1995. Quantity includes roof seams with metal top.
M-212	Main Plant	MP43 - MP41 MN35 - MN41 GK27 - GK29 BE27 - BE29	Flashing Cement associated with Penetrations and Patches	BN002623 BN002673 BN002674 BN002919	Good/Non-Friable	NAD	1,725	SF	Replaced in 1995. Quantity includes roof seams with metal top.
M-213	Main Plant	GL35 - GL39 KL 33 - KL35 BC12 - BC27	Tar Sealant on Metal Deck	BN003017 BN003018 BN002624	Good/Non-Friable	NAD	41,250	SF	Replaced in 1994
M-214	Main Plant	GL35 - GL39 KL 33 - KL35	Tar Sealant associated with Penetrations - Bottom Layer	BN002625	Good/Non-Friable	NAD	850	SF	Replaced in 1994

Table 1
Homogeneous Application Table
Main Plant
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HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
M-215	Main Plant	N37 - Q37 Q15 - Q29 Substation Roof QR35 -QR37	Built Up associated with Perimeter Roofing	BN002626 BN002675 BN002676	Good/Non-Friable	NAD	1,300	SF	Replaced in 1996. Quantity includes substation roof.
M-216	Main Plant	MR33 - MR35 MQ29 - MQ33	Built Up Roofing	BN002627 BN002628	Good/Non-Friable	NAD	25,000	SF	Replaced in 1997
M-217	Main Plant	MR33 - MR35 MQ29 - MQ33	Tar Sealant on top of Foam Insulation	BN002629 BN002630	Good/Non-Friable	17.7% Asbestos	25,000	SF	Replaced in 1997
M-218	Main Plant	MR33 - MR35 MQ29 - MQ33	Tar Sealant on Metal Deck	BN002631 BN002632	Good/Non-Friable	21.4% Asbestos	25,000	SF	Replaced in 1997
M-219	Main Plant	R33 - R35 Q29 - Q33	Built Up associated with Perimeter Roofing	BN002633 BN002634	Good/Non-Friable	22.2% Asbestos	400	SF	Replaced in 1997
M-220	Main Plant	MR33 - MR35 MQ29 - MQ33	Built Up associated with Roof Penetrations	BN002635 BN002636	Good/Non-Friable	21% Asbestos	2,180	SF	Replaced in 1997. Quantity includes roof seams with metal top.
M-221	Main Plant	MR33 - MR35 MQ29 - MQ33	Flashing Cement associated with Penetrations and Patches	BN002637 BN002638	Good/Non-Friable	Trace	2,180	SF	Replaced in 1997. Quantity includes roof seams with metal top.
M-222	Main Plant	NP13 - NP25	Tar Sealant on Metal Deck	BN002677	Good/Non-Friable	24.8% Asbestos	15,000	SF	Replaced in 2004
M-223	Main Plant	MN13 - MN27	Built Up Roofing	BN002678 BN002679	Good/Non-Friable	NAD	17,500	SF	Replaced in 2001
M-224	Main Plant	MN13 - MN27	Tar Sealant on top of Foam Insulation	BN002680 BN002681	Good/Non-Friable	NAD	17,500	SF	Replaced in 2001
M-225	Main Plant	MN13 - MN27	Tar Sealant on Metal Deck	BN002682 BN002683	Good/Non-Friable	NAD	17,500	SF	Replaced in 2001
M-226	Main Plant	MN13 - MN27	Built Up associated with Roof Penetrations	BN002684 BN002685	Good/Non-Friable	NAD	830	SF	Replaced in 2001. Quantity includes roof seams with metal top.
M-227	Main Plant	MN13 - MN27	Flashing Cement associated with Penetrations and Patches	BN002686 BN002687	Good/Non-Friable	NAD	830	SF	Replaced in 2001. Quantity includes roof seams with metal top.
M-228	Main Plant	HK29 - HK33	Built Up Roofing	BN002688 BN002689	Good/Non-Friable	NAD	10,000	SF	Replaced in 2006
M-229	Main Plant	HK29 - HK33	Tar Sealant between Paper on Roof Deck	BN002690 BN002691	Good/Non-Friable	NAD	10,000	SF	Replaced in 2006
M-230	Main Plant	H33 - K33	Built Up associated with Perimeter Roofing	BN002692 BN002693	Good/Non-Friable	NAD	200	SF	Replaced in 2006
M-231	Main Plant	HK29 - HK33	Built Up associated with Roof Penetrations	BN002694 BN002695	Good/Non-Friable	NAD	840	SF	Replaced in 2006
M-232	Main Plant	HK29 - HK33	Flashing Cement associated with Penetrations and Patches	BN002696 BN002697	Good/Non-Friable	NAD	840	SF	Replaced in 2006

Table 1
Homogeneous Application Table
Main Plant
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
M-233	General Plant/Main Plant	B33 - F33 Q7 - Q15 N7 - Q7 QQ4 - QQ7 JJ7 - QQ7 DD18 - JJ18 Substation Roof JK41 - JK43 FG33 - FG35 CD33 - CD35	Built Up associated with Perimeter Roofing	BN002920 BN002991 BN002922 BN002923 BN002924 BN002925 BN002926	Good/Non-Friable	11% Asbestos	2,620	SF	Original Roof. Quantity includes substation roof.
M-234	Main Plant	JM13 - JM27	Built Up Roofing	BN002927 BN002928 BN002929	Good/Non-Friable	NAD	52,500	SF	Replaced in 1999
M-235	Main Plant	JM13 - JM27	Tar Sealant on top of Foam Insulation	BN002930 BN002931 BN002932	Good/Non-Friable	NAD	52,500	SF	Replaced in 1999
M-236	Main Plant	J13 - J27	Built Up associated with Perimeter Roofing	BN002933 BN002934 BN002935	Good/Non-Friable	Trace	700	SF	Replaced in 1999
M-237	Main Plant	JM13 - JM27	Built Up associated with Roof Penetrations	BN002936 BN002937 BN002938	Good/Non-Friable	NAD	4,950	SF	Replaced in 1999. Quantity includes roof seams with metal top.
M-238	Main Plant	JM13 - JM27	Flashing Cement associated with Penetrations and Patches	BN002939 BN002940 BN002941	Good/Non-Friable	NAD	4,950	SF	Replaced in 1999. Quantity includes roof seams with metal top.
M-239	Main Plant	LN1 - LN13	Built Up Roofing	BN002942 BN002943 BN002944	Good/Non-Friable	NAD	30,000	SF	Replaced in 1993
M-240	Main Plant	LN1 - LN13	Tar Sealant on top of Foam Insulation	BN002945 BN002946 BN002947	Good/Non-Friable	NAD	30,000	SF	Replaced in 1993
M-241	Main Plant	N1 - N7 L1 - N1 L1 - L9	Built Up associated with Perimeter Roofing	BN002948 BN002949 BN002950	Good/Non-Friable	Trace	1,300	SF	Replaced in 1993
M-242	Main Plant	LN1 - LN13	Built Up associated with Roof Penetrations	BN002951 BN002952 BN002953	Good/Non-Friable	NAD	2,850	SF	Replaced in 1993. Quantity includes roof seams with metal top.
M-243	Main Plant	LN1 - LN13	Flashing Cement associated with Penetrations and Patches	BN002954 BN002955 BN002956	Good/Non-Friable	NAD	2,850	SF	Replaced in 1993. Quantity includes roof seams with metal top.
M-244	Main Plant	JL1 - JL9 JL9 - JL13	Built Up Roofing	BN002957 BN002958 BN002959 BN002960	Good/Non-Friable	NAD	30,000	SF	Replaced in 1998
M-245	Main Plant	JL1 - JL9 JL9 - JL13	Tar Sealant on top of Foam Insulation	BN002961 BN002962 BN002963 BN002964	Good/Non-Friable	NAD	30,000	SF	Replaced in 1998
M-246	Main Plant	J9 - L9 J9 - J13 J1 - L1	Built Up associated with Perimeter Roofing	BN002965 BN002966 BN002967 BN002968	Good/Non-Friable	Trace	600	SF	Replaced in 1998
M-247	Main Plant	JL1 - JL9 JL9 - JL13	Built Up associated with Perimeter Roofing	BN002969 BN002970 BN002971 BN002972	Good/Non-Friable	NAD	2,320	SF	Replaced in 1998. Quantity includes roof seams with metal tops.

Table 1
Homogeneous Application Table
Main Plant
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
M-248	Main Plant	JL1 - JL9 JL9 - JL13	Flashing Cement associated with Penetrations and Patches	BN002973 BN002974 BN002975 BN002976 BN002977	Good/Non-Friable	NAD	2,320	SF	Replaced in 1998. Quantity includes roof seams with metal tops.
M-249	Main Plant	JL1 - JL9	Tar Sealant on Metal Deck	BN002978	Good/Non-Friable	NAD	20,000	SF	Replaced in 1998
M-250	Main Plant	J1 - J7	Asphalt Roofing associated with Parapet Divider	BN002979 BN002980	Good/Non-Friable	NAD	400	SF	Replaced in 1998
M-251	Main Plant	GJ1 - GJ9	Built Up Roofing	BN002981 BN002983 BN002985 BN002987 BN002989	Good/Non-Friable	NAD	60,000	SF	Replaced in 2003
M-252	Main Plant	G9 - J9 G1 - G9 J1 - J9 G1 - J1	Built Up associated with Perimeter Roofing	BN002991 BN002992 BN002993 BN002994 BN002995	Good/Non-Friable	1.5% Asbestos	3,120	SF	Replaced in 2003
M-253	Main Plant	GJ1 - GJ9	Gypsum Roof Deck	BN002982 BN002984 BN002986 BN002988 BN002990	Good/Non-Friable	NAD	60,000	SF	Replaced in 2003
M-254	General Plant	AAJJ7A - AAJJ12A	Built Up Roofing	BN002996 BN002998	Good/Non-Friable	NAD	22,275	SF	Replaced in 2001
M-255	General Plant	AAJJ7A - AAJJ12A	Gypsum Roof Deck	BN002997 BN002999	Good/Non-Friable	NAD	22,275	SF	Replaced in 2001
M-256	General Plant	AAJJ7A - AAJJ12A	Built Up associated with Perimeter Roofing and Penetrations	BN003000 BN003001	Good/Non-Friable	NAD	1,590	SF	Replaced in 2001. Quantity includes perimeter roof material, penetrations, and substation.
M-257	General Plant	DDJJ12A - DDJJ16	Tar Sealant between Paper on Roof Deck	BN003002 BN003003	Good/Non-Friable	NAD	126,500	SF	Replaced in 2004
M-258	General Plant	DDJJ12A - DDJJ16	Tar Sealant on Metal Deck	BN003004	Good/Non-Friable	NAD	126,500	SF	Replaced in 2004

Table 1
Homogeneous Applications Table
Previously Sampled Materials
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
Previously Sampled Materials									
	General Plant Building	Auditorium - SE Corner, Financial Conference Room Jja, Medical Office	2' x 2' Ceiling Tile Pinhole	1, 113, 114, 124		NAD			ARCADIS HA # M-23
	General Plant Building	Audio/Video Room - Under Carpet	Mastic/Glue	2		1.25% Asbestos			ARCADIS HA # M-19
	Main Plant	Blue Print Room	Light Gray Flooring Material	3		Trace			Material Not Observed
	Main Plant	Blue Print Room	Black Mastic associated with Light Gray Flooring Material	4		NAD			Material Not Observed
	Main Plant	Parts Storage by Engineering	12" x 12" Floor Tile White with Black Streaks	5		1.89% Asbestos			Material Not Observed
	Main Plant	Parts Storage by Engineering	Black Mastic associated with 12" x 12" Floor Tile White with Black Streaks	6		Trace			Material Not Observed
	Main Plant	File Storage - West Side	12" x 12" Floor Tile Olive	7		NAD			Material Not Observed
	Main Plant	File Storage - West Side	Black Mastic associated with 12" x 12" Floor Tile Olive	8		NAD			Material Not Observed
	General Plant Building	Former West Entrance - SW Corner	Textured Plaster Ceiling	9, 10		5% Asbestos			Removed
	General Plant Building	Former West Entrance - NW Area	Plaster Wall Material	11		NAD			ARCADIS HA # S-01 and S-02
	Main Plant	Boiler Room - SW Corner	Fitting Insulation associated with Fiberglass Pipe Insulation	12		10% Asbestos			Material Not Observed
	Main Plant	Boiler Room - SW Corner	Paper Wrap	13		50% Asbestos			Material Not Observed
	Main Plant	Boiler Room - SW Corner	Penetration Insulation	14		20% Asbestos			Material Not Observed
	Main Plant	Boiler Room - SW Corner	Duct Debris	15		25% Asbestos			Material Not Observed

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HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
	General Plant Building	Main Entrance by Security	12" Ceiling Tile Pindot	16		NAD			ARCADIS HA # M-78
	Main Plant	EDS Area - North, West, Southeast	2' x 2' Ceiling Tile Fissured	17, 18, 19		NAD			ARCADIS HA # M-72
	Main Plant	Key Room by Door	Tan Linoleum	20		NAD			Material Not Observed
	General Plant Building	Vault - Northeast Corner	Hard Plaster Wall	105		NAD			ARCADIS HA # S-01 and S-02
	General Plant Building	Vault - Entrance	9" x 9" Floor Tile Off-White with Brown Streaks	106		NAD			ARCADIS HA # M-37
	General Plant Building	Vault - Entrance	Black Mastic associated with 9" x 9" Floor Tile Off-White with Brown Streaks	107		5.5% Asbestos			ARCADIS HA # M-38
	General Plant Building	Vault - Entrance	Brown Cove Base Mastic	108		NAD			ARCADIS HA # M-67
	General Plant Building	Vault - Entrance	Door Gasket	109		40% Asbestos			ARCADIS HA # M-36
	General Plant Building	Phone Room Ub by West Lobby	9" x 9" Floor Tile Gray	110		3.1% Asbestos			ARCADIS HA # M-31
	General Plant Building	Phone Room Ub by West Lobby	Black Mastic associated with 9" x 9" Floor Tile Gray	111		2.3% Asbestos			ARCADIS HA # M-32
	General Plant Building	Phone Room Ub by West Lobby	ADC Insulation White	112		NAD			Material Not Observed
	Main Plant	Men's Restroom - LL, West Storage Room adjacent to Main Conference Room, D47 - D49 Office Area, Conference Room J36	2' x 4' Ceiling Tile Fissured	115, 155, 165		NAD			ARCADIS HA # M-46
	General Plant Building	Men's Restroom - LL, West Storage Room adjacent to Main Conference Room	Hard Plaster Ceiling	116, 126		NAD			ARCADIS HA # S-05 and S-06
	Main Plant	Men's Restroom - Pipe Chase, Women's Restroom Pipe Chase	Mud Fitting Insulation	117, 118		NAD			ARCADIS HA # T-04
	General Plant Building	Corridor by Room C, Corridor by Conference Room	12" x 12" Floor Tile Gray	119, 121		NAD			ARCADIS HA # M-27

Table 1
Homogeneous Applications Table
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HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
	General Plant Building	Corridor by Room C, Corridor by Conference Room	Black Mastic associated with 12" x 12" Floor Tile Gray	120, 122		NAD			ARCADIS HA # M-28
	Main Plant	Main Conference Room, K7 Restroom	2' x 4' Ceiling Tile Omni	123, 173		NAD			Material Not Observed
	General Plant Building	File Room by Medical Dept.	Residual Black Mastic	125		1.5% Asbestos			ARCADIS HA # M-24
	General Plant Building	Main Conference Room	Black Flooring Material	127		NAD			ARCADIS HA # M-64
	Main Plant - Roof Top	JK1 Area	Transite Pipe associated with Exhaust Vent Pipe	144		90% Asbestos			ARCADIS HA # M-161
	Main Plant	Column H9	Fitting Insulation associated with Roof Drain	146		40% Asbestos			ARCADIS HA # T-05
	Main Plant	Column F9	Aircell Pipe Insulation associated with Heating Pipe (LP Steam)	147		50% Asbestos			Material Not Observed
	Main Plant	Column J9	Fitting Insulation associated with Domestic Hot Water	148		65% Asbestos			ARCADIS HA # T-04/T-11
	White Building next to Red Shed		Window Glazing	149		5% Asbestos			Material Not Observed
	White Building next to Red Shed		Window Caulking	150		5% Asbestos			Material Not Observed
	Main Plant	Column C5	Endcap Sealant associated with Steam Line	151		NAD			ARCADIS HA # T-02
	Main Plant - SW Corner of Building	Cooling Tower	Tar Material on Glycol Line	152		2% Asbestos			ARCADIS HA # M-162
	Main Plant	D47 - D49 Office Area	12" x 12" Floor Tile Black	153		NAD			ARCADIS HA # M-116
	Main Plant	D47 - D49 Office Area	Brown Mastic associated with 12" x 12" Floor Tile Black	154		NAD			ARCADIS HA # M-117
	Main Plant	D47 - D49 Office Area	Linoleum Black with Specks	156		Trace			ARCADIS HA # M-90
	Main Plant	D47 - D49 Office Area	Black Mastic associated with Linoleum	157		Trace			ARCADIS HA # M-91

Table 1
Homogeneous Applications Table
Previously Sampled Materials
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HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
	Main Plant	C47 Area Production	Black Flooring Material	158		Trace			ARCADIS HA # M-55
	Main Plant	B42 Area Steam Generation System	Duct Insulation	159, 160		NAD			Material Not Observed
	Main Plant	C35 Office - Top Layer	12" x 12" Floor Tile Tan	161		NAD			ARCADIS HA # M-82
	Main Plant	C35 Office - Bottom Layer	12" x 12" Floor Tile Beige	162		NAD			ARCADIS HA # M-84
	Main Plant	Men's Restroom near H37, M37 Women's Restroom	Linoleum Tan with 9" x 9" Pattern	163, 240		NAD			ARCADIS HA # M-105
	Main Plant	Men's Restroom near H37	Material under Linoleum	164		NAD			ARCADIS HA # M-106
	Main Plant	N37 Area Mezzanine Bathroom - Chase	Fitting Insulation	166, 167		NAD			ARCADIS HA # T-04
	Main Plant	G33 Area Lab, Wastewater Treatment Lab	Countertop Material	168, 241		NAD			ARCADIS HA # M-94
	Main Plant	O28 Conference Room	2' x 4' Ceiling Tile Large Pinhole	169		NAD			ARCADIS HA # M-16
	Main Plant	Office by M7 Area	12" x 12" Floor Tile Tan Marble	170		NAD			Material Not Observed
	Main Plant	N9 Area Production	Black Flooring Material	171		NAD			ARCADIS HA # M-44
	Main Plant	MN1 - Tunnel	Tar Paper on Pipe	172		NAD			ARCADIS HA # M-134
	Main Plant	Mezzanine above Ziess Office	Endcap Sealant associated with Tank	174		NAD			ARCADIS HA # T-07
	Main Plant	E13 Area Production	Black Flooring Material	175		NAD			ARCADIS HA # M-44
	Former Guard Shack		Window Caulking	176		NAD			ARCADIS HA # M-02
	Main Plant	Radiation Area	Wall Plaster Gray	177		NAD			ARCADIS HA # S-01 and S-02

Table 1
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Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
	Main Plant	Main Entrance	Window Caulking	178		NAD			ARCADIS HA # M-75
	General Plant Building	Telephone Room	9" x 9" Floor Tile Gray	179		1.7% Asbestos			ARCADIS HA # M-31
	General Plant Building	Telephone Room	Black Mastic associated with 9" x 9" Floor Tile Gray	180		5.8% Asbestos			ARCADIS HA # M-32
	General Plant Building	Telephone Room	12" x 12" Floor Tile Tan with Blue & Pink	181		Trace			ARCADIS HA # M-33
	General Plant Building	Telephone Room	Yellow Mastic associated with 12" x 12" Floor Tile Tan with Blue & Pink	182		Trace			ARCADIS HA # M-34
	General Plant Building	Smoker's Room	Linoleum Black with White	183		NAD			ARCADIS HA # M-21
	General Plant Building	Smoker's Room	Yellow Mastic associated with Linoleum Black with White	184		NAD			ARCADIS HA # M-22
	General Plant Building	Smoker's Room, WFG Manager's Office	Yellow Covebase Mastic	185, 186		NAD			ARCADIS HA # M-07
	General Plant Building	Hallway outside Fitness Room	12" x12" Floor Tile Light Olive	187		NAD			ARCADIS HA # M-27
	General Plant Building	Hallway outside Fitness Room	Yellow Mastic associated with 12" x 12" Floor Tile Light Olive	188		NAD			ARCADIS HA # M-28
	General Plant Building	Cafeteria, Medical Office Restroom	Linoleum Gray Marble	189, 191		NAD			ARCADIS HA # M-17
	General Plant Building	Cafeteria, Medical Office Restroom	Yellow Mastic associated with Linoleum Gray Marble	190, 192		NAD			ARCADIS HA # M-18
	General Plant Building	Remediation Offices, Training Center	Linoleum Black with Specks	193, 195		NAD			ARCADIS HA # M-90
	General Plant Building	Remediation Offices, Training Center	White Mastic associated with Linoleum Black with Specks	194, 196		NAD			ARCADIS HA # M-91
	General Plant Building	WFG Manager's Office, Production Readiness Room, Financial Office	Linoleum Gray with Specks	197, 199, 201		NAD			ARCADIS HA # M-21
	General Plant Building	WFG Manager's Office, Production Readiness Room, Financial Office	White Mastic associated with Linoleum Gray with Specks	198, 200, 202		NAD			ARCADIS HA # M-22

Table 1
Homogeneous Applications Table
Previously Sampled Materials
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
	Main Plant	Wastewater Treatment	Pipe Fitting Gray	203, 204		NAD			ARCADIS HA # T-01
	Main Plant	Water Tower	Wall Insulation White	205		NAD			ARCADIS HA # S-01
	General Plant Building	Men's Locker Room	Ceiling Plaster	206		NAD			ARCADIS HA # S-05 and S-06
	General Plant Building	WFG Manager's Office, Training Room, AQNS, Financial Conference Room, Old Manufacturing Room 20	Gypsum Board	207, 208, 209, 244, 245, 246		NAD			ARCADIS HA # M-12
	Main Plant	Fire Crib	Duct Insulation	210		NAD			ARCADIS HA # T-12
	Out-Building at edge of Parking Lot		Window Caulking	211		NAD			Material Not Observed
	Main Plant	Boiler Room - SE Corner	Wall Mortar	212		NAD			Material Not Observed
	Main Plant	Boiler Room - Interior of West Boiler	Fire Brick	213		NAD			ARCADIS HA # T-09
	Main Plant	Boiler Room - Interior of West Boiler	Burner Block Insulation	214		NAD			ARCADIS HA # T-19
	Main Plant	Boiler Room - Interior of West Boiler	Boiler Door Insulation	215		NAD			ARCADIS HA # T-10
	Main Plant	Boiler Room - Interior of West Boiler	Boiler Door Seal Insulation	216		NAD			ARCADIS HA # T-20
	Main Plant	Blueprint Room	Flooring Material Gray	217		NAD			ARCADIS HA # M-51
	Main Plant	Blueprint Room	Black Mastic associated with Flooring Material Gray	218		NAD			Material Not Observed
	Main Plant	Western Most Small Die Cast Tunnel 1st Wing	Insulation	219, 220		NAD			Fiberglass Insulation Not Suspect Not Sampled
	Main Plant	Small Die Cast 3rd Tunnel	Electrical Cable Insulation	221, 222		NAD			ARCADIS HA # M-37

Table 1
Homogeneous Applications Table
Previously Sampled Materials
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
	Main Plant	North End of Tunnel 6	Ceiling Paper Patch Filler	223, 224, 225		23.5% Asbestos			Material Not Observed
	Main Plant	Cooling Tower	Spray-on Insulation	226, 227, 228		NAD			ARCADIS HA # S-07
	Main Plant	Pinkerton Security Key Room across from E05	Linoleum Tan	229		NAD			Material Not Observed
	Main Plant	North Façade Exterior between 48 & 49 High Windows	Exterior Window Glazing	230, 231		NAD			ARCADIS HA # M-127
	Main Plant	North Façade Exterior between 48 & 49	Expansion Joint Caulking	232, 233		17.1% Asbestos			ARCADIS HA # M-158
	Main Plant	North Façade - Hallway outside Cafeteria	4' x 4' Floor Tile Grout	234, 235		NAD			ARCADIS HA # M-08
	Main Plant	C-35 Office	12" x12" Floor Tile Brown - Top Layer	236		NAD			ARCADIS HA # M-82
	Main Plant	C-35 Office	12" x 12" Floor Tile Brown - Bottom Layer	237		NAD			ARCADIS HA # M-84
	Main Plant	D47 Conference Room next to Break Room	12" x 12" Floor Tile Black	238		NAD			ARCADIS HA # M-116
	Main Plant	D47 Conference Room next to Break Room	Black Mastic associated with 12" x 12" Floor Tile Black	239		NAD			ARCADIS HA # M-117
	Main Plant	EDS Room	12" x 12" Floor Tile Tan	242		NAD			ARCADIS HA # M-69
	Main Plant	EDS Room	Brown Mastic associated with 12" x 12" Floor Tile Black	243		NAD			ARCADIS HA # M-70
	Main Plant	DEA Inspection Equipment Room # 67	Wood Floor Mastic Black	247, 248		NAD			ARCADIS HA # M-79
	Main Plant	Hallway West of Cafeteria, Security Office, Financial Conference Room	Joint Compound	249, 250, 251		10.5% Asbestos			ARCADIS HA # M-13
	General Plant Building	Financial Conference Room, Room 9	Interior Window Glaze	252, 253		12.8% Asbestos			ARCADIS HA # M-41
	General Plant Building	Financial Conference Room, Room 9	Exterior Window Glazing	254, 255		NAD			ARCADIS HA # M-154

Table 1
Homogeneous Applications Table
Previously Sampled Materials
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
	General Plant Building	Financial Conference Room, Room 9	Exterior Window Caulking	256, 257		NAD			ARCADIS HA # M-153
	Main Plant	Room 20, Room 48	Metal Wall Insulation Paper	258, 259		NAD			Material Not Observed
	Main Plant	Restroom	Wall Tile Grout	260, 261		NAD			ARCADIS HA # M-06
	Roof Penthouse - P15	Interior	Tar Material on Pipe	143		8% Asbestos			ARCADIS HA # M-144
	Roof Penthouse - P15	Interior	Tar Wrap	145		4.7% Asbestos			ARCADIS HA # M-146
Previously Sampled Roofing Materials									
	1695 - C53 Area	Roof Deck	Roofing Material - Top Layer	21		NAD			
	1695 - C53 Area	Roof Deck	Roofing Material - Bottom Layer	21A		11% Asbestos			
	1695 - C53 Area	Roof	Curb Flashing	22		7.93% Asbestos			
	1695 - D48 Area	Roof Deck	Roofing Material - Top Layer	23A		11% Asbestos			
	1695 - D48 Area	Roof Deck	Roofing Material - Bottom Layer	23		NAD			
	1695 - D48 Area	Roof	Curb Flashing	24		NAD			
	1695 - D46 Area	Roof Deck	Roofing Material - Bottom Layer	25		17% Asbestos			
	1695 - D46 Area	Roof Deck	Roofing Material - Top Layer	25A		NAD			
	1695 - D46 Area	Roof	Curb Flashing	26		1.9% Asbestos			
	1630 - E38 Area	Roof Deck	Roofing Material - Bottom Layer	27		10% Asbestos			

Table 1
Homogeneous Applications Table
Previously Sampled Materials
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
	1630 - E38 Area	Roof Deck	Roofing Material - Top Layer	27A		Trace			
	1630 - E38 Area	Roof	Curb Flashing	28		10% Asbestos			
	1630 - BC36 Area	Roof Deck	Roofing Material - Bottom Layer	29		10% Asbestos			
	1630 - BC36 Area	Roof Deck	Roofing Material - Top Layer	29A		NAD			
	1630 - BC36 Area	Roof	Curb Flashing	30		NAD			
	1591 - FG36 Area	Roof Deck	Roofing Material - Top Layer	31		NAD			
	1591 - FG36 Area	Roof	Curb Flashing	32		11% Asbestos			
	1591 - FG40 Area	Roof Deck	Roofing Material - Top Layer	33		Trace			
	1591 - FG41 Area	Roof	Curb Flashing	34		1.5% Asbestos			
	1591 - F46 Area	Roof Deck	Roofing Material - Top Layer	35		NAD			
	1591 - F46 Area	Roof	Curb Flashing	36		Trace			
	HJ40 Area	Roof Deck	Roofing Material - Top Layer	37		Trace			
	J40 Area - Sub Station	Roof	Flashing	38		3% Asbestos			
	1484 - L44 Area	Roof Deck	Roofing Material - Top Layer	39		Trace			
	1484 - L46 Area	Roof	Curb Flashing	40		NAD			
	1484 - M46	Roof Deck	Roofing Material - Top Layer	41		NAD			

Table 1
Homogeneous Applications Table
Previously Sampled Materials
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
	1630 - NP46-47	Roof Deck	Roofing Material - Top Layer	42		1.7% Asbestos			
	1630 - NP46-47	Roof Deck	Roofing Material - Bottom Layer	42A		14% Asbestos			
	1630 - NP46-47	Roof	Curb Flashing	43		7% Asbestos			
	1630 - NP44	Roof Deck	Roofing Material - Bottom Layer	44		8% Asbestos			
	1630 - NP44	Roof Deck	Roofing Material - Top Layer	44A		1.4% Asbestos			
	1630 - NP44	Roof	Curb Flashing	45		2% Asbestos			
	1630 - NP44	Roof	Exterior Duct Insulation	46		5% Asbestos			
	1484 - LM40	Roof Deck	Roofing Material - Top Layer	47		Trace			
	1484 - LM39	Roof Deck	Roofing Material - Top Layer	49		Trace			
	1630 - P36	Roof Deck	Roofing Material - Bottom Layer	50		8% Asbestos			
	1630 - P36	Roof Deck	Roofing Material - Top Layer	50A		Trace			
	1630 - PP36	Roof	Curb Flashing	51		1.13% Asbestos			
	1630 - QR34	Roof Deck	Roofing Material - Bottom Layer	52		1.13% Asbestos			
	1630 - QR34	Roof Deck	Roofing Material - Top Layer	52A		Trace			
	1630 - QR34	Roof	Curb Flashing	53		9% Asbestos			
	1630 - N29	Roof Deck	Roofing Material - Top Layer	54		NAD			

Table 1
Homogeneous Applications Table
Previously Sampled Materials
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
	1630 - N29	Roof Deck	Roofing Material - Bottom Layer	54A		13% Asbestos			
	1630 - N29	Roof	Flashing	55		NAD			
	1630 Substation Q36	Roof Deck	Roofing Material - Top Layer	56		NAD			
	1630 Substation Q36	Roof Deck	Roofing Material - Bottom Layer	56A		13% Asbestos			
	1630 - Substation Q36	Roof	Flashing	57		12.5% Asbestos			
	986 - C29	Roof Deck	Roofing Material - Top Layer	58		Trace			
	986 - C29	Roof Deck	Roofing Material - Bottom Layer	58A		NAD			
	986 - C29	Roof	Flashing	59		NAD			
	1476 - C32	Roof Deck	Roofing Material	60		NAD			
	1476 - C32	Roof	Flashing	61		2.74% Asbestos			
	986 - E29	Roof Deck	Roofing Material - Top Layer	62		1.2% Asbestos			
	986 - E29	Roof Deck	Roofing Material - Bottom Layer	62A		NAD			
	986 - E29	Roof	Flashing	63		NAD			
	986 - J29	Roof Deck	Roofing Material - Top Layer	64		NAD			
	986 - J29	Roof Deck	Roofing Material - Bottom Layer	64A		NAD			
	986 - J29	Roof	Flashing	65		NAD			

Table 1
Homogeneous Applications Table
Previously Sampled Materials
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
	1476 - K29	Roof Deck	Roofing Material	66		NAD			
	1476 - K29	Roof	Flashing	67		5.56% Asbestos			
	1476 - J33	Roof Deck	Roofing Material - Top Layer	68		NAD			
	1476 - J33	Roof Deck	Roofing Material - Bottom Layer	68A		NAD			
	1476 - J33	Roof Deck	Roofing Material - Middle Layer	68B		NAD			
	1476 - J33	Roof	Flashing	69		1.9% Asbestos			
	1054 - N21	Roof Deck	Roofing Material	70		NAD			
	1054 - N21	Roof	Flashing	71		2.6% Asbestos			
	N19	Roof Deck	Roofing Material - Top Layer	72		NAD			
	N19	Roof Deck	Roofing Material - Bottom Layer	72A		12% Asbestos			
	N19	Roof	Flashing	73		Trace			
	P15	Roof Deck	Roofing Material - Top Layer	74		7.2% Asbestos			
	P15	Roof Deck	Roofing Material - Bottom Layer	74A		NAD			
	P15	Roof	Flashing	74B		NAD			
	P9	Roof Deck	Roofing Material - Top Layer	75		2.67% Asbestos			
	P9	Roof Deck	Roofing Material - Bottom Layer	75A		13.8% Asbestos			

Table 1
Homogeneous Applications Table
Previously Sampled Materials
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
	P9	Roof	Flashing	76		6.9% Asbestos			
	Water Chiller NI	Lower Roof	Flashing	77		5.1% Asbestos			
	Water Chiller NI	Roof Deck	Roofing Material - Top Layer	78, 79		Trace			
	Water Chiller NI	Roof Deck	Roofing Material - Bottom Layer	78A, 79A		NAD			
	3505 - North Side	Roof	Flashing	84		Trace			
	3505 - Center Unit	Roof	Flashing	85		9.3% Asbestos			
	3505 - North Side	Roof Deck	Roofing Material	86		2% Asbestos			
	3505 - South Side	Roof Deck	Roofing Material	87		NAD			
	3505 - Center	Roof	Roof Drain Cement	88		8% Asbestos			
	Substation N-26	Roof	Flashing	93		12.9% Asbestos			
	Substation N-26	Roof Deck	Roofing Material	94		NAD			
	9373 - GG6	Roof Deck	Roofing Material - Top Layer	95		NAD			
	9373 - GG6	Roof Deck	Roofing Material - Bottom Layer	95A		Trace			
	9373 - GG6	Roof	Flashing	96		Trace			
	9373 - JJ4	Roof Deck	Roofing Material - Top Layer	97		1.8% Asbestos			
	9373 - JJ4	Roof Deck	Roofing Material - Bottom Layer	97A		3.1% Asbestos			

Table 1
Homogeneous Applications Table
Previously Sampled Materials
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
	1135 - AA2	Roof Deck	Roofing Material - Top Layer	98		1.8% Asbestos			
	1135 - AA2	Roof Deck	Roofing Material - Bottom Layer	98A		Trace			
	1135 - AA2	Roof	Flashing	99		2.3% Asbestos			
	1484 - GG13	Roof Deck	Roofing Material	100		NAD			
	1484 - GG13	Roof	Flashing	101		1.5% Asbestos			
	1591 - FF15	Roof Deck	Roofing Material - Top Layer	102		NAD			
	1591 - FF15	Roof Deck	Roofing Material - Bottom Layer	102A		NAD			

Table 1
Homogeneous Applications Table
Previously Sampled Materials
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
	1630 - DD17	Roof Deck	Roofing Material - Top Layer	103		NAD			
	1630 - DD17	Roof Deck	Roofing Material - Bottom Layer	103A		13.1% Asbestos			
	1630 - DD18	Roof	Flashing	104		12.9% Asbestos			
	JK5 Area	Roof Deck	Roofing Material - Top Layer	128		NAD			
	JK5 Area	Roof Deck	Roofing Material - Bottom Layer	128A		NAD			
	JK2 Area	Roof Deck	Roofing Material - Top Layer	129		NAD			
	JK2 Area	Roof Deck	Roofing Material - Bottom Layer	129A		NAD			
	JK2 Area	Side of Penthouse	Roof Flashing	130		1.1% Asbestos			
	H2	Side of Penthouse	Roof Flashing	131		NAD			
	HJ2 Area	Roof Deck	Roofing Material - Top Layer	132		NAD			
	HJ2 Area	Roof Deck	Roofing Material - Bottom Layer	132A		NAD			
	GH5 Area	Roof Deck	Roofing Material - Top Layer	133		NAD			
	GH5 Area	Roof Deck	Roofing Material - Bottom Layer	133A		NAD			
	F2 Area	Roof Deck	Roofing Material - Top Layer	134		NAD			
	F2 Area	Roof Deck	Roofing Material - Bottom Layer	134A		NAD			
	E7 Area	Roof Deck	Roofing Material - Top Layer	135		NAD			

Table 1
Homogeneous Applications Table
Previously Sampled Materials
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
	E7 Area	Roof Deck	Roofing Material - Bottom Layer	135A		NAD			
	E7 Area	Roof	Flashing	136		Trace			
	Canopy Roof HH-GG/1A	Roof Deck	Roofing Material	137		NAD			
	Canopy Roof HH-GG/1A	Roof	Flashing	138		14% Asbestos			
	Canopy Roof - Main Entrance	Roof Deck	Roofing Material - Top Layer	139		NAD			
	Canopy Roof - Main Entrance	Roof Deck	Roofing Material - Bottom Layer	139A		NAD			
	Canopy Roof - Main Entrance	Roof	Flashing	140		Trace			
	Canopy Roof - GA7A/JJHH	Roof Deck	Roofing Material - Top Layer	141		NAD			
	Canopy Roof - GA7A/JJHH	Roof Deck	Roofing Material - Bottom Layer	141A		NAD			
	Canopy Roof - GA7A/JJHH	Roof	Flashing	142		Trace			

Table 1
Homogeneous Application Table
Guard Shack
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity	Unit	Notes
M-01	Guard Shack	Entrance Doors	Window Glazing associated with Doors	BN003117 BN003118	Good/Non-Friable	NAD	30	LF	3 Doors
M-02	Guard Shack	Lower Roof	Roofing Material - Top Layer	82	Good/Non-Friable	NAD	450	SF	
M-03	Guard Shack	Lower Roof	Roofing Material - Bottom Layer	82A	Good/Non-Friable	NAD	450	SF	
M-03	Guard Shack	Upper Roof	Roofing Material	83	Good/Non-Friable	NAD	450	SF	

Table 1
Homogeneous Application Table
Massena Casting ASH #1 Building
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity	Unit	Notes
M-01	ASH # 1 Out Building	Interior	Vibration Dampner associated with Blower	BN003160 BN003161	Good/Non-Friable	NAD	2	EA	
M-02	ASH # 1 Out Building	Exterior	Gray Caulking associated with Metal Panels	BN003162 BN003163	Good/Non-Friable	NAD	480	LF	

*Roof is comprised of a metal roof deck system.

Table 1
Homogeneous Application Table
Fuel Building
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity	Unit	Notes
M-01	Fuel Shed	Exterior	Gray Door Caulking	BN003100 BN003101	Good/Non-Friable	NAD	35	LF	
T-01	Fuel Shed	Interior	Hard Pack Fitting associated with Storm Drain	BN003102 BN003103 BN003104	Damaged/Friable	NAD	5	EA	

*Roof is comprised of a metal roof deck system.

Table 1
Homogeneous Application Table
Clarifier Pump House
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity	Unit	Notes
M-01	Clarifier Pump House	Exterior	Tar Sealant on Concrete Pump Casing	BN003151 BN003152	Good/Non-Friable	NAD	20	SF	
M-02	Clarifier Pump House	Roof Deck	Roofing Material - Top Layer	89	Good/Non-Friable	1.1% Asbestos	985	SF	Previously Sampled Positive
M-03	Clarifier Pump House	Roof Deck	Roofing Material - Bottom Layer	89A	Good/Non-Friable	8.9% Asbestos	985	SF	Previously Sampled Positive
M-04	Clarifier Pump House	Roof	Flashing	90	Good/Non-Friable	6.2% Asbestos	260	SF	Previously Sampled Positive

Table 1
Homogeneous Application Table
River Pump House
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity	Unit	Notes
M-01	River Pump House	Exterior - Windows	Sealant associated with Copper Flashing around Windows	BN003121 BN003122	Good/Non-Friable	NAD	25	LF	
M-02	River Pump House	Exterior - Windows	Window Sill Material	BN003123 BN003124	Good/Non-Friable	NAD	25	SF	
T-01	River Pump House	Entrance Doors	Fire Door Insulation	BN003125 BN003126	Good/Friable	NAD	2	Doors	
M-03	River Pump House	Roof	Flashing	91	Good/Non-Friable	1.6% Asbestos	220	SF	Previously Sampled Positive
M-04	River Pump House	Roof Deck	Roofing Material	92	Good/Non-Friable	Trace	720	SF	

Table 1
Homogeneous Application Table
Waste Water Treatment Building
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity	Unit	Notes
M-01	Waste Water Treatment Building	Mezzanine Level Office under Wood Panel Flooring	12" x 12" Floor Tile Tan	BN003105 BN003106	Good/Non-Friable	24.6% Asbestos	385	SF	
M-02	Waste Water Treatment Building	Mezzanine Level Office under Wood Panel Flooring	Black Mastic associated with M-01	BN003107 BN003108	Good/Non-Friable	2.4% Asbestos	385	SF	
M-03	Waste Water Treatment Building	Mezzanine Level Office under Wood Panel Flooring	Vapor Barrier associated with Wood Panel Flooring	BN003109 BN003110	Good/Friable	NAD	385	SF	
M-04	Waste Water Treatment Building	Interior and Exterior associated with Concrete Footings, Walkway,	Gray Caulking	BN003111 BN003112	Good/Non-Friable	NAD	850	LF	
M-05	Waste Water Treatment Building	Exterior - Along Base of Pebbled Stone Façade	Black Sealant	BN003113 BN003114	Good/Non-Friable	NAD	410	LF	
M-06	Waste Water Treatment Building	Exterior - Around Doors and Seams of Pebbled Stone Façade	White Caulking	BN003115 BN003116	Good/Non-Friable	Trace	380	LF	
T-01	Wastewater Treatment Building	Interior - Roof Penetration	Filting Insulation associated with Roof Drain	203, 204	Good/Non-Friable	Assume Asbestos	4	SF	Previously Sampled Positive

*Roofing Material is comprised of a newer EPDM Membrane roof system.

Table 1
Homogeneous Application Table
Butler Storage Building
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity	Unit	Notes
M-01	Butler Storage Building	Interior	Expansion Joint Floor Caulking	BN003127 BN003128	Good/Non-Friable	NAD	400	LF	
M-02	Butler Storage Building	Interior	Transite Panel	BN003129 BN003130	Good/Non-Friable	9.10% Asbestos	25	SF	Material is loose on floor.

*Roof is comprised of a metal roof deck system.

Table 1
Homogeneous Application Table
Old Scale House - North Side
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity	Unit	Notes
M-01	Old Scale House	Exterior	Window Glazing	BN003153 BN003154	Good/Non-Friable	NAD	220	LF	
M-02	Old Scale House	Exterior	Caulking associated with Windows and Doors	176 BN003157 BN003158	Good/Non-Friable	2.5% Asbestos	70	LF	2 Doors

*Roofing Material is comprised of a newer EPDM Membrane roof system.

Table 1
Homogeneous Application Table
Red Shed
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity	Unit	Notes
M-01	Red Shed	Entrance Doors	Window Glazing associated with Entrance Doors	BN003119 BN003120	Good/Non-Friable	NAD	16	LF	2 Doors

*Roof is comprised of a metal roof deck system.

Table 1
Homogeneous Application Table
Water Tower
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity	Unit	Notes
S-01	Water Tower	Interior	Sprayed Applied Fireproofing	205 BN003144 BN003145 BN003146 BN003157 BN003148 BN003149 BN003150	Good/Friable	NAD	8,500	SF	
M-326	Water Tower	Interior	Large Boiler Gasket	BN003020	Good/Friable	6.9% Asbestos	3	EA	Material located in between boiler and endcaps.

Table 1
Homogeneous Application Table
Green Substation
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity	Unit	Notes
M-01	Main Substation	Roof	Flashing	80		9.2% Asbestos	400	SF	Previously Sampled Positive
M-02	Main Substation	Roof Deck	Roofing Material	81		Trace	2,400	SF	

Table 1
Homogeneous Application Table
Small Brick Building
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity	Unit	Notes
M-01	Small Brick Building on North Side	Exterior	Caulking associated with Windows and Door	BN003140 BN003141	Good/Non-Friable	6.4% Asbestos	30	LF	
M-02	Small Brick Building on North Side	Exterior	Sealant associated with Copper Flashing at Base of Building	BN003142 BN003143	Good/Non-Friable	3.1% Asbestos	70	LF	

Table 1
Homogeneous Application Table
Small Blue Building - Southeast Side
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity	Unit	Notes
M-01	Small Blue Building	Roof	Asphalt Shingles		Good/Non-Friable	Assumed Asbestos	150	SF	Material was labeled with asbestos containing sticker. Previous sample results were not found.
M-02	Small Blue Building	Roof	Tar Paper		Good/Non-Friable	Assumed Asbestos	150	SF	Material was labeled with asbestos containing sticker. Previous sample results were not found.

Table 2
Confirmed Asbestos Containing Materials (ACM)
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
General Plant Building - North West Brick Portion of Main Plant									
M-13	General Plant Building	Throughout General Plant 1st Floor - Kitchen, Kitchen Storage, Cafeteria, WFG Manager's Office, Training Room, AQNS, Financial Conference Room, Old Manufacturing Room 20	Joint Compound	249, 250, 251 BN002183 BN002184 BN002200 BN002242	Good/Non-Friable	10.5% Asbestos	23,800	SF	Previously Sampled Positive
M-19	General Plant Building	1st Floor - Audio/Visual Room	Residual Black Mastic under Carpet Squares	2	Good/Non-Friable	1.25% Asbestos	630	SF	Previously Sampled Positive
M-24	General Plant Building	1st Floor - Fitness Center, Fitness Center Medical Room, File Room, Telephone Closet, Manufacturing/Engineering Room, Metals Shop, Training Room, Hallway adjacent to Metals Shop, Janitorial Services Room	Residual Black Mastic	125 BN002251 BN002207 BN002208	Good/Non-Friable	1.5% Asbestos	7,490	SF	Previously Sampled Positive. Black residual mastic is typically found, but not limited too, under linoleum and/or under grey levelastic throughout northwest offices and rooms. Flooring applications negative for asbestos that are contaminated with residual black mastic should be handled and disposed as regulated asbestos waste.
M-31	General Plant Building	1st Floor - Telephone Room, Telecom Room	9" x 9" Floor Tile Gray	110, 179	Good/Non-Friable	3.1% Asbestos	100	SF	Previously Sampled Positive
M-32	General Plant Building	1st Floor - Telephone Room, Telecom Room	Mastic associated with M-31	111, 180	Good/Non-Friable	2.3% Asbestos	100	SF	Previously Sampled Positive
M-36	General Plant Building	1st Floor - Vault Room	Gasket associate with Vault Door	109	Good/Friable	40% Asbestos	1	EA	
M-38	General Plant Building	1st Floor - Vault Room	Mastic associated with M-37	107	Good/Non-Friable	5.5% Asbestos	500	SF	Previously Sampled Positive
M-41	General Plant Building	1st Floor - West Side of Offices	Interior Window Glazing	252, 253	Good/Non-Friable	12.3% Asbestos	1,200	LF	Previously Sampled Positive Approximate Window Size is 4' x 8'
M-43	General Plant Building	1st Floor - Executive Office NW Corner	Weather Sealant between Foam Insulation and Block Wall	BN002231 BN002232	Good/Non-Friable	6.4% Asbestos	135	SF	
M-66	General Plant Building	1st Floor - Vacant Rooms across from Copy/Drawing Control Room	Black Window Glazing	BN002256 BN002257	Good/Non-Friable	10.7% Asbestos	50	LF	Approximately Windows Size is 3' x 5'
M-67	General Plant Building	1st Floor - Men's Locker Room, Vacant Office, EPS Room, Vault	Brown Cove Base Mastic	108 BN002258 BN002259	Good/Non-Friable	1.05% Asbestos	275	LF	
M-68	General Plant Building	1st Floor - Copy/Drawing Room, Main Entrance Hall, Outside UAW Benefits, Fitness Center	Gray Window Glazing	BN002260 BN002261 BN002262 BN002263	Good/Non-Friable	6.7% Asbestos	1,310	LF	Approximate Window Size is 3' x 5'

Table 2
Confirmed Asbestos Containing Materials (ACM)
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HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
M-69	General Plant Building	Janitor's Closet in Men's Locker Room	12" x 12" Floor Tile Tan	242 BN002264 BN002265	Good/Non-Friable	3.8% Asbestos	25	SF	
S-04	General Plant Building	1st Floor - Telecom Room	Textured Ceiling Plaster	9, 10	Good/Non-Friable	5% Asbestos	170	SF	Previously Sampled Positive
T-04/T-11	General Plant Building	1st Floor - Kitchen above Ceiling, Kitchen Storage, Cafeteria, Crawl Space adjacent to Janitors Closet in Men's Locker Room, Large Locker Room on Northeast Side, Security Office Restroom's, Utility Closet , Main Floor, Telephone Closet, Pipe Chases and Wall Cavities associated with Sinks and Toilets	Hard Pack Fitting Insulation associated with Fiberglass Pipe Insulation on Domestic Water Lines	117, 118 BN002247 BN002248 BN002249 BN002250	Good/Friable	65% Asbestos	100	EA	Material was previously sampled and tested positive in Main Plant. Asbestos containing Danger stickers were observed on accessible fittings throughout the General Plant Building.
T-23	General Plant Building	North Entrance	Insulation associated with Ceiling Heaters		Good/Friable	Assumed Asbestos	5	SF	Previously Sampled Positive. Asbestos containing Danger stickers were observed on the heater. Previously sample results were not found.
Main Plant									
M-45	Main Plant	Throughout	Safety Switch Electrical Components		Good/Non-Friable	Assumed	325	EA	Safety switches were energized at the time of inspection.
M-48	Main Plant	Northwest Garage	Tan Door Caulking	BN002027	Good/Non-Friable	1.9% Asbestos	40	LF	2 Doors
M-123	Main Plant	Mezzanine D53 Area, Mezzanine K31 Area	Gaskets associated with Doors to Mezzanine Driers	BN002602 BN002603	Good/Non-Friable	49.7% Asbestos	14	EA	
M-127	Main Plant	Electrical Room Bay 47 - 48	Interior Window Glazing	230, 231 BN002610 BN002611	Good/Non-Friable	1.5% Asbestos	10	Windows	Approximate Window Size 4' x 5'
T-05	Main Plant	H9 Area, Between C9 - C11 Area, J11 Area, P11 Area, B15 Area, P19 Area, J19 Area, E23 Area, C27 Area, G27 Area, J41 Area, J43 Area, H39 Area, H43 Area	Hard Pack Fitting Insulation associated with Fiberglass Pipe Insulation on Storm Drain Lines	146	Good/Friable	40% Asbestos	43	EA	Previously Sampled Positive
T-06	Main Plant	Between C7 - C9 Area	Hard Pack Fitting Insulation associated with Fiberglass Pipe Insulation on Steam Lines		Good/Friable	Assumed	5	EA	Previously Sampled Positive. Asbestos containing Danger stickers were observed on fitting. Previously sample results were not found.
T-04/T-11	Main Plant	J9 Area, C11 Area, J17 Area, E23 Area, F23 Area, Mezzanine Restrooms on top of Compressor Room,	Hard Pack Fitting Insulation associated with Fiberglass Pipe Insulation on Domestic Water Lines	148 BN002514	Good/Friable	65% Asbestos	60	EA	Previously Sampled Positive

Table 2
Confirmed Asbestos Containing Materials (ACM)
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HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
T-15	Main Plant	Northeast Boiler Room	Wrap on Duct Insulation		Damaged/Friable	Assumed Asbestos	4,400	SF	Material was suspect for ACM and labeled with an asbestos containing sticker. Previous sample results were not found.
T-16	Main Plant	Northeast Boiler Room	Duct Insulation		Damaged/Friable	Assumed Asbestos	4,400	SF	Material was suspect for ACM and labeled with an asbestos containing sticker. Previous sample results were not found.
Exterior									
M-128	Main Plant	Electrical Room Bay 47 - 48	Exterior Caulking associated with Window Mullions	BN002612 BN002613	Good/Friable	1.5% Asbestos	150	LF	30 Mullions
M-129	Main Plant	North Side Brick Portion of Main Plant	Exterior Window Caulking on Brick	BN002617 BN002618	Damaged/Friable	3.5% Asbestos	10	LF	
M-130	Main Plant	North Side Brick Portion of Main Plant	Exterior Caulking between Brick and Corrugated Metal Siding		Damaged/Friable	Assumed Positive	25	LF	
M-143	Main Plant - Roof Top	Substations - Q33, M35, N41, K45, H37, G45, C44, D47, B47, B51, D51, K35, P23, P17, P7, M5, L11, J13, J15, J19	Gray Sealant associated with Fiberglass Duct Insulation	BN003240 BN003241 BN003242	Good/Friable	2.3% Asbestos	2,850	SF	
M-144	Main Plant - Roof Top	M37 White Structure, North of M35 Area, E39 Area	Tar Sealant associated with Foam Pipe Insulation	143	Good/Non-Friable	8% Asbestos	35	LF	Previously Sampled Positive
M-145	Main Plant - Roof Top	West of M35 Area, H37 Area, East of F37 Area	White Sealant associated with Round Metal Duct	BN003243 BN003244 BN003245	Good/Non-Friable	1.9% Asbestos	300	SF	
M-146	Main Plant - Roof Top	Substations - H37, F37, C42, P15	Black Wrap associated with Copper Pipes and Elbows	145	Good/Non-Friable	4.7% Asbestos	40	SF	Previously Sampled Positive
M-147	Main Plant - Roof Top	Substations - H37, F37, D51, P15	White Caulking around Interior Metal Doors	BN003274 BN003275 BN003276	Good/Non-Friable	1.1% Asbestos	450	LF	
M-149	Main Plant - Roof Top	B44 Area	Gray Caulking associated with Air Handlers	BN003249 BN003250	Good/Non-Friable	3.4% Asbestos	520	LF	3 Units
M-150	Main Plant - Roof Top	Throughout	Caulking associated with Blue Blower Units	BN003251 BN003252	Good/Non-Friable	1.9% Asbestos	320	LF	16 Units
M-151	Main Plant - Roof Top	D37 Area	Cloth Gasket associated with Duct Flange	BN003253 BN003254	Damaged/Friable	23.5% Asbestos	20	LF	Material is located on a loose duct laying on metal grate.
M-152	Main Plant - Roof Top	Throughout	Caulking associated with Corrugated Metal Siding	BN003255 BN003256	Good/Non-Friable	2.3% Asbestos	23,200	SF	Material was observed on the corrugated metal siding of 29 substations.

Table 2
Confirmed Asbestos Containing Materials (ACM)
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HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
M-152	Main Plant - Roof Top	Exterior wall of plant accessible from lower the roof between Rows 1 - 9	Caulking associated with Corrugated Metal Siding	BN003257	Good/Non-Friable	2.3% Asbestos	4,300	SF	Material was observed on corrugated metal siding on exterior wall of building.
M-154	General Plant Building	Exterior of General Plant Building	Window Glazing	254, 255 BN003260 BN003261	Good/Non-Friable	1.2% Asbestos	70	Windows	Material was not observed on all the windows. Window Size 3.5' x 6.5'
M-155	General Plant Building	Exterior of General Plant Building - North and Northeast Side	Exterior Caulking on Brick	BN003262 BN003263	Good/Non-Friable	8.5% Asbestos	360	LF	
M-158	Main Plant	Brick Portion of Main Plant	Expansion Joint Caulking associated with Brick Wall Seams	232, 233 BN003268 BN003269	Damaged/Friable	3.6% Asbestos	90	LF	
M-159	Main Plant	Garage Doors on the North Side of the Main Plant	Caulking associated with Garage Doors	BN003270 BN003271	Good/Non-Friable	4.3% Asbestos	150	LF	
M-161	Main Plant - Roof Top	JK1 Area	Transite Pipe associated with Exhaust Vent Pipe	144	Good/Non-Friable	90% Asbestos	30	LF	Previously Sampled Positive
M-162	Main Plant	Exterior Cooling Tower	Black Sealant on Glycol Lines	152	Good/Non-Friable	2% Asbestos	20	SF	Previously Sampled Positive
Roofing Materials									
M-178	General Plant/Main Plant	BC37 - BC41 ED41 - ED45 KM31 - KM33 FH29 - FH33 FG27 - FH29 AAHH1A - AAHH7	Built Up associated with Roof Penetrations	BN002645 BN002646 BN002568 BN002569 BN002706	Good/Non-Friable	6.1% Asbestos	3,160	SF	Replaced in 1991. Quantity includes Substation
M-179	General Plant/Main Plant	BC37 - BC41 ED41 - ED45 KM31 - KM33 FH29 - FH33 FG27 - FH29 AAHH1A - AAHH7	Flashing Cement associated with Penetrations and Patches	BN002647 BN002648 BN002570 BN002571 BN002707	Good/Non-Friable	1.6% Asbestos	3,160	SF	Replaced in 1991. Quantity includes Substation
M-180	General Plant/Main Plant	B37 - B41 F33 - H33 AA1A - GG1A	Built Up associated with Perimeter Roofing	BN002649 BN002650 BN002572 BN002573 BN002708 BN002709	Good/Non-Friable	15% Asbestos	1,250	SF	Replaced in 1991
M-181	General Plant/Main Plant	BC37 - BC41 KM31 - KM33 FH29 - FH33 FG27 - FH29 AAHH1A - AAHH7	Tar Sealant on Metal Deck	BN002651 BN002652 BN002574 BN002710 BN002711	Good/Non-Friable	30.1% Asbestos	51,250	SF	Replaced in 1991
M-182	Main Plant	CE37 - CE41 NQ35 - NQ37 MQ27 - MQ29 PQ15 - PQ27 Substation Roof QR35 - QR37	Built Up Roofing	BN002435 BN002653 BN002575 BN002426	Good/Non-Friable	10.7% Asbestos	40,000	SF	Replaced in 1996. Quantity includes substation roof.

Table 2
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HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
M-183	Main Plant	CE37 - CE41 NQ35 - NQ37 MQ27 - MQ29 PQ15 - PQ27 Substation Roof QR35 - QR37	Tar Sealant on top of Foam Insulation	BN002436 BN002654 BN002676 BN002427	Good/Non-Friable	24% Asbestos	40,000	SF	Replaced in 1996. Quantity includes substation roof.
M-184	Main Plant	CE37 - CE41 NQ35 - NQ37 MQ27 - MQ29 PQ15 - PQ27 Substation Roof QR35 - QR37	Tar Sealant on Metal Deck	BN002437 BN002577 BN002428	Good/Non-Friable	20.2% Asbestos	40,000	SF	Replaced in 1996. Quantity includes substation roof.
M-185	Main Plant	CE37 - CE41 NQ35 - NQ37 MQ27 - MQ29 PQ15 - PQ27 Substation Roof QR35 - QR37	Built Up associated with Roof Penetrations	BN002438 BN002655 BN002578	Good/Non-Friable	9.8% Asbestos	4,310	SF	Replaced in 1996. Quantity includes Substations. Quantity includes roof seams with metal top. Quantity includes substation roof.
M-187	Main Plant	CE37 - CE41	Tar Sealant associated with Penetrations - Bottom Layer	BN002400	Good/Non-Friable	16.9% Asbestos	650	SF	Replaced in 1996
M-190	General Plant/Main Plant	BG35 - BG37 EG37 - EG43 GM39 - GM43 LM33 - LM39 BF29 - BF33 EF27 - EF29 PQ13 - PQ15 NQ7 - NQ13 HHQQ4 - HHQQ7 DDJJ16 - DDJJ18 Substation Roof JK41 - JK43 FG33 - FG35 CD33 - CD35	Tar Sealant on top of Foam/fiberboard Insulation	BN002442 BN002443 BN002405 BN002406 BN002718 BN002719 BN002884 BN002885 BN002886 BN002887	Good/Non-Friable	33.5% Asbestos	35,250	SF	Original Roof. Quantity includes substation roof.
M-191	General Plant/Main Plant	BG35 - BG37 EG37 - EG43 GM39 - GM43 LM33 - LM39 BF29 - BF33 EF27 - EF29 PQ13 - PQ15 NQ7 - NQ13 Substation Roof JK41 - JK43 FG33 - FG35 CD33 - CD35	Tar Sealant on Metal Deck	BN002444 BN002445 BN002407 BN002408 BN002888 BN002889 BN002890	Good/Non-Friable	44.1% Asbestos	22,000	SF	Original Roof. Quantity includes substation roof.
M-192	General Plant/Main Plant	BG35 - BG37 EG37 - EG43 GM39 - GM43 LM33 - LM39 BF29 - BF33 EF27 - EF29 PQ13 - PQ15 NQ7 - NQ13 HHQQ4 - HHQQ7 DDJJ16 - DDJJ18 Substation Roof JK41 - JK43	Built Up associated with Roof Penetrations	BN002446 BN002409 BN002891 BN002892 BN002893 BN002894 BN002895 BN002896 BN002897	Good/Non-Friable	19.6% Asbestos	6,090	SF	Original roof. Quantity includes Substations. Quantity includes roof seams with metal top. Quantity includes substation roof.

Table 2
Confirmed Asbestos Containing Materials (ACM)
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HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
M-193	General Plant/Main Plant	BG35 - BG37 EG37 - EG43 GM39 - GM43 LM33 - LM39 BF29 - BF33 EF27 - EF29 PQ13 - PQ15 NQ7 - NQ13 HHQQ4 - HHQQ7 DDJJ16 - DDJJ18 Substation Roof JK41 - JK43	Flashing Cement associated with Penetrations and Patches	BN002447 BN002410 BN002898 BN002899 BN002900 BN002901 BN002902 BN002903 BN002904	Good/Non-Friable	17.3% Asbestos	6,090	SF	Original roof. Quantity includes Substations. Quantity includes roof seams with metal top. Quantity includes substation roof.
M-203	General Plant/Main Plant	JP43 - JP47 NP13 - NP25 HHQQ1A - HHQQ4 DDJJ12A - DDJJ16 Substation Roof NP24 - NP27	Tar Sealant on top of Foam Insulation	BN002450 BN002451 BN002659 BN002660 BN002908 BN002909 BN002910	Good/Non-Friable	24.7% Asbestos	61,150	SF	Replaced in 2004. Quantity includes substation roof.
M-205	General Plant/Main Plant	JP43 - JP47 NP13 - NP25 HHQQ1A - HHQQ4 DDJJ12A - DDJJ16 Substation Roof NP24 - NP27	Built Up associated with Roof Penetrations	BN002454 BN002455 BN002661 BN002662 BN002913	Good/Non-Friable	2.1% Asbestos	1,440	SF	Replaced in 2004. Quantity includes Substations. Quantity includes roof seams with metal top. Quantity includes substation roof.
M-217	Main Plant	MR33 - MR35 MQ29 - MQ33	Tar Sealant on top of Foam Insulation	BN002629 BN002630	Good/Non-Friable	17.7% Asbestos	25,000	SF	Replaced in 1997
M-218	Main Plant	MR33 - MR35 MQ29 - MQ33	Tar Sealant on Metal Deck	BN002631 BN002632	Good/Non-Friable	21.4% Asbestos	25,000	SF	Replaced in 1997
M-219	Main Plant	R33 - R35 Q29 - Q33	Built Up associated with Perimeter Roofing	BN002633 BN002634	Good/Non-Friable	22.2% Asbestos	400	SF	Replaced in 1997
M-220	Main Plant	MR33 - MR35 MQ29 - MQ33	Built Up associated with Roof Penetrations	BN002635 BN002636	Good/Non-Friable	21% Asbestos	2,180	SF	Replaced in 1997. Quantity includes roof seams with metal top.
M-222	Main Plant	NP13 - NP25	Tar Sealant on Metal Deck	BN002677	Good/Non-Friable	24.8% Asbestos	15,000	SF	Replaced in 2004
M-233	General Plant/Main Plant	B33 - F33 Q7 - Q15 N7 - Q7 QQ4 - QQ7 JJ7 - QQ7 DD18 - JJ18 Substation Roof JK41 - JK43 FG33 - FG35 CD33 - CD35	Built Up associated with Perimeter Roofing	BN002920 BN002991 BN002922 BN002923 BN002924 BN002925 BN002926	Good/Non-Friable	11% Asbestos	2,620	SF	Original Roof. Quantity includes substation roof.
M-252	Main Plant	G9 - J9 G1 - G9 J1 - J9 G1 - J1	Built Up associated with Perimeter Roofing	BN002991 BN002992 BN002993 BN002994 BN002995	Good/Non-Friable	1.5% Asbestos	3,120	SF	Replaced in 2003
Old Scale House									

Table 2
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HA No.	Building	Room(s)/Location	Material Description	Sample Number	Condition/Friability	Asbestos Content	Estimated Quantity & Unit	Unit	Notes
M-02	Old Scale House	Exterior	Caulking associated with Windows and Doors	176 BN003157 BN003158	Good/Non-Friable	2.5% Asbestos	70	LF	2 Doors
Clarifier Pump House									
M-02	Clarifier Pump House	Roof Deck	Roofing Material - Top Layer	89	Good/Non-Friable	1.1% Asbestos	985	SF	Previously Sampled Positive
M-03	Clarifier Pump House	Roof Deck	Roofing Material - Bottom Layer	89A	Good/Non-Friable	8.9% Asbestos	985	SF	Previously Sampled Positive
M-04	Clarifier Pump House	Roof	Flashing	90	Good/Non-Friable	6.2% Asbestos	260	SF	Previously Sampled Positive
River Pump House									
M-03	River Pump House	Roof	Flashing	91	Good/Non-Friable	1.6% Asbestos	220	SF	Previously Sampled Positive
Waste Water Treatment Building									
M-01	Waste Water Treatment Building	Mezzanine Level Office under Wood Panel Flooring	12" x 12" Floor Tile Tan	BN003105 BN003106	Good/Non-Friable	24.6% Asbestos	385	SF	
M-02	Waste Water Treatment Building	Mezzanine Level Office under Wood Panel Flooring	Black Mastic associated with M-01	BN003107 BN003108	Good/Non-Friable	2.4% Asbestos	385	SF	
T-01	Wastewater Treatment Building	Interior - Roof Penetration	Fitting Insulation associated with Roof Drain	203, 204	Good/Non-Friable	Assume Asbestos	4	SF	Previously Sampled Positive
Butler Storage Building									
M-02	Butler Storage Building	Interior	Transite Panel	BN003129 BN003130	Good/Non-Friable	9.10% Asbestos	25	SF	Material is loose on floor.
Main Substation									
M-01	Main Substation	Roof	Flashing	80		9.2% Asbestos	400	SF	Previously Sampled Positive
Small Brick Building on North Side									
M-01	Small Brick Building on North Side	Exterior	Caulking associated with Windows and Door	BN003140 BN003141	Good/Non-Friable	6.4% Asbestos	30	LF	
M-02	Small Brick Building on North Side	Exterior	Sealant associated with Copper Flashing at Base of Building	BN003142 BN003143	Good/Non-Friable	3.1% Asbestos	70	LF	
M-01	Small Blue Building	Roof	Asphalt Shingles		Good/Non-Friable	Assumed Asbestos	150	SF	Material was labeled with asbestos containing sticker. Previous sample results were not found.
M-02	Small Blue Building	Roof	Tar Paper		Good/Non-Friable	Assumed Asbestos	150	SF	Material was labeled with asbestos containing sticker. Previous sample results were not found.

Table 3
Polychlorinated Biphenyls (PCB) Table
Central Foundry Superfund Site
Massena, NY

HA No.	Building	Room(s)/Location	Material Description	Sample Number	Aroclor	Concentration	Reporting Limit	Unit	Notes
PCB-1	Main Plant	E-1 Northwest Garage	Door Caulking	BN002075	1248	580	170	mg/Kg	TSCA Regulated Material
PCB-2	Main Plant	Office near G7 Area	Door Caulking	BN002076 BN002077	1248	31	2	mg/Kg	
PCB-3	Main Plant	M9 Area	Caulking associated with Metal Duct Flange	BN002078 BN002079	1248	18	0.99	mg/Kg	
PCB-4	General Plant	North Entrance Door	Gray Caulking associated with Doors/Windows	BN002302	1254 1268	1380	100	mg/Kg	TSCA Regulated Material
PCB-5	General Plant	North Entrance	Window Caulking	BN002303	1254 1268	38000	3400	mg/Kg	TSCA Regulated Material
PCB-6	General Plant	Old West Entrance	Door Caulking	BN002304	1248	39	4	mg/Kg	
PCB-7	Main Plant	Boiler Room	Expansion Joint Caulking	BN002305	1248	2.2	0.99	mg/Kg	
PCB-8	Main Plant	N43 Area	Caulking associated with Corrugated Metal Siding and Concrete Foundation Wall	BN002880	1248	1.7	0.99	mg/Kg	
PCB-9	Main Plant	K35 Area	Caulking/Sealant associated with Concrete Footing	BN002881		<0.99	0.99	mg/Kg	
PCB-10	Main Plant	K43 Area	Thin Black Expansion Joint Floor Caulking	BN002882	1248	200	35	mg/Kg	TSCA Regulated Material
PCB-11	Main Plant	E39 Area	Thick Black Expansion Joint Floor Caulking	BN002883	1248	7.3	0.98	mg/Kg	
PCB-12	Main Plant	Exterior - North Side	Exterior Window Caulking	BN002530	1248	150	30	mg/Kg	TSCA Regulated Material
PCB-13	Main Plant	Exterior - North Side	Exterior Caulking between Brick and Corrugated Metal Siding	BN002531	1248	240	50	mg/Kg	TSCA Regulated Material
PCB-14	Butler Building	Throughout	Expansion Joint Floor Caulking	BN003169	1248	36	4	mg/Kg	
PCB-15	Main Plant	Exterior - West Side	Door Caulking associated with Garage Doors	BN003170	1248	15	0.99	mg/Kg	
PCB-16	Massena Casting Ash # 1	Throughout	Gray Metal Panel Seam Caulking	BN003171	1248	1.4	0.99	mg/Kg	
PCB-17	Waste Water Treatment Building	Exterior	White Door Caulking	BN003172	1248	3.2	0.99	mg/Kg	
PCB-18	Main Plant	Exterior - West Side	Expansion Joint Caulking associated with Pavement	BN003173		<0.98	0.98	mg/Kg	
PCB-19	Main Plant	Exterior	Expansion Joint Caulking	BN003174	1248	3.1	0.99	mg/Kg	
PCB-20	Waste Water Treatment Building	Exterior	Caulking associated with Pebbled Stone Façade and Metal Siding	BN003175	1248	88	3.9	mg/Kg	TSCA Regulated Material
PCB-21	Main Plant	North Entrance	Window Caulking	BN003176	1254 1268	47000	2000	mg/Kg	TSCA Regulated Material

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APPENDIX C

Inspector Certifications

M·E·T·A

Mayhew Environmental Training Associates

INCORPORATED

Certificate # 7ME04030902AIR0029

This is to certify that

Gregory M. Donovan

has on 04/03/2009, in Lawrence, KS
completed the requirements for asbestos accreditation under Section 206 of TSCA Title II, 15 U.S.C. 2646

AHERA Asbestos Building Inspector Refresher Course

as approved by the U.S.E.P.A. under 40 C.F.R. 763 (AHERA)
on 04/03/2009 - 04/03/2009 and passed the associated examination on 04/03/2009
with a score of 70% or better
CM = 0.50 Pts.

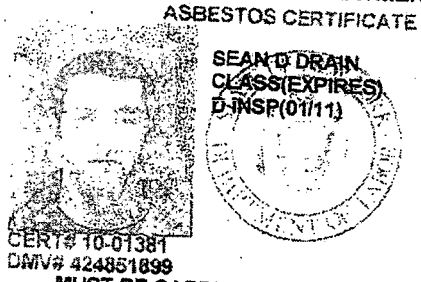
Instructor
Thomas Mayhew

Accreditation Expires: 4/3/10

President
Thomas Bradford Mayhew

M E T A - P.O. Box 786 - Lawrence KS 66044 - 800-444-6382

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



SEAN Q DRAIN
CLASS(EXPIRES)
D-INSP(01/11)

CERT# 10-01381
DMV# 424851899
MUST BE CARRIED ON ASBESTOS PROJECTS

New York State Department of Health Certificate of Asbestos Safety Training

This form is the official record of successful completion of a New York State accredited asbestos safety training course.

Certificate No. [illegible]

I – To be completed by Trainee

Name of Trainee (print)	NYS Depart. of Motor Vehicles ID (DMV ID)[1]	
Signature of Trainee	Telephone Number	Date of Birth[1]

Address

(Street or PO Box) (City) (State) (Zip Code)

II – To be completed by Training Sponsor

Provider's Name	Telephone Number
Address Zip Code	Course Location:

Course Title: [illegible] ☐ Initial ☐ Refresher ☐ *NYS-DOH use only* DOH Equivalency[2]

Training Language: ☐ English ☐ Other: _____ Exam Grade/Date: [illegible]

Dates of Training: From: [illegible] To: [illegible] Expires: [illegible]

I certify that the asbestos safety training course given on the above date complied with both 10 NYCRR Part 73 and TSCA Title II, was consistent with the curriculum and instructors approved by the New York State Department of Health, and the trainee receiving this certificate completed the training course and successfully passed the examination.

Training Director[2]: [illegible] (Print) [illegible] (Signature)

DOH-2832 (10/03) [1]Optional Information [2]DOH Equivalency signed by NYS DOH representative only STUDENT

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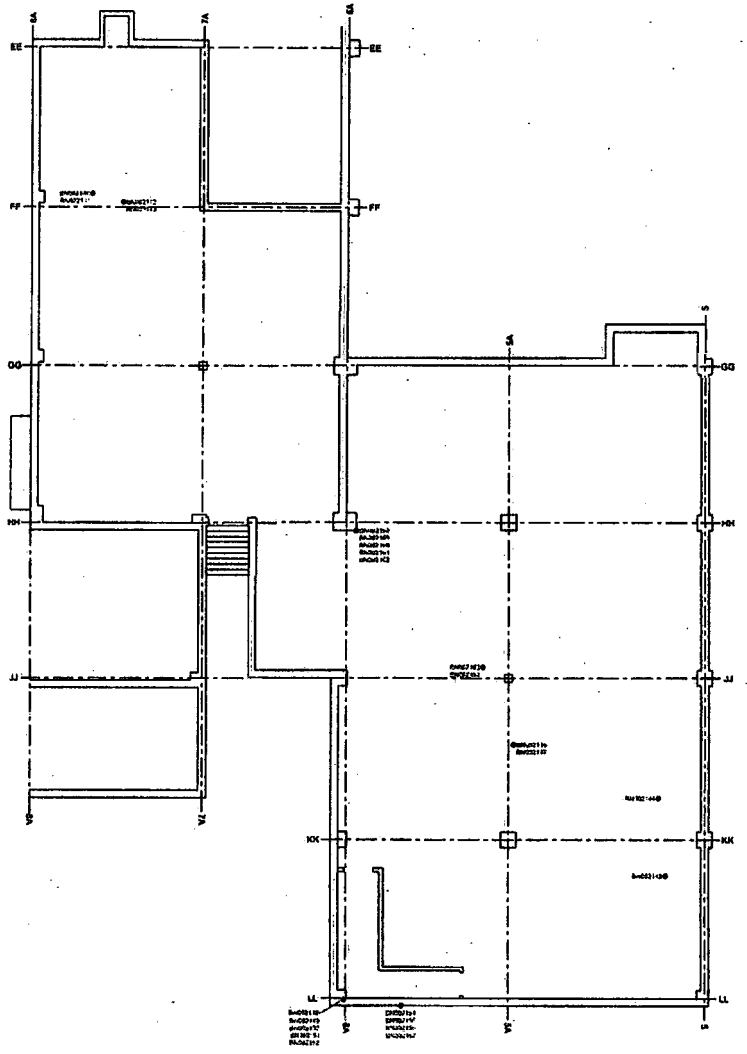
APPENDIX D

Sample Locations

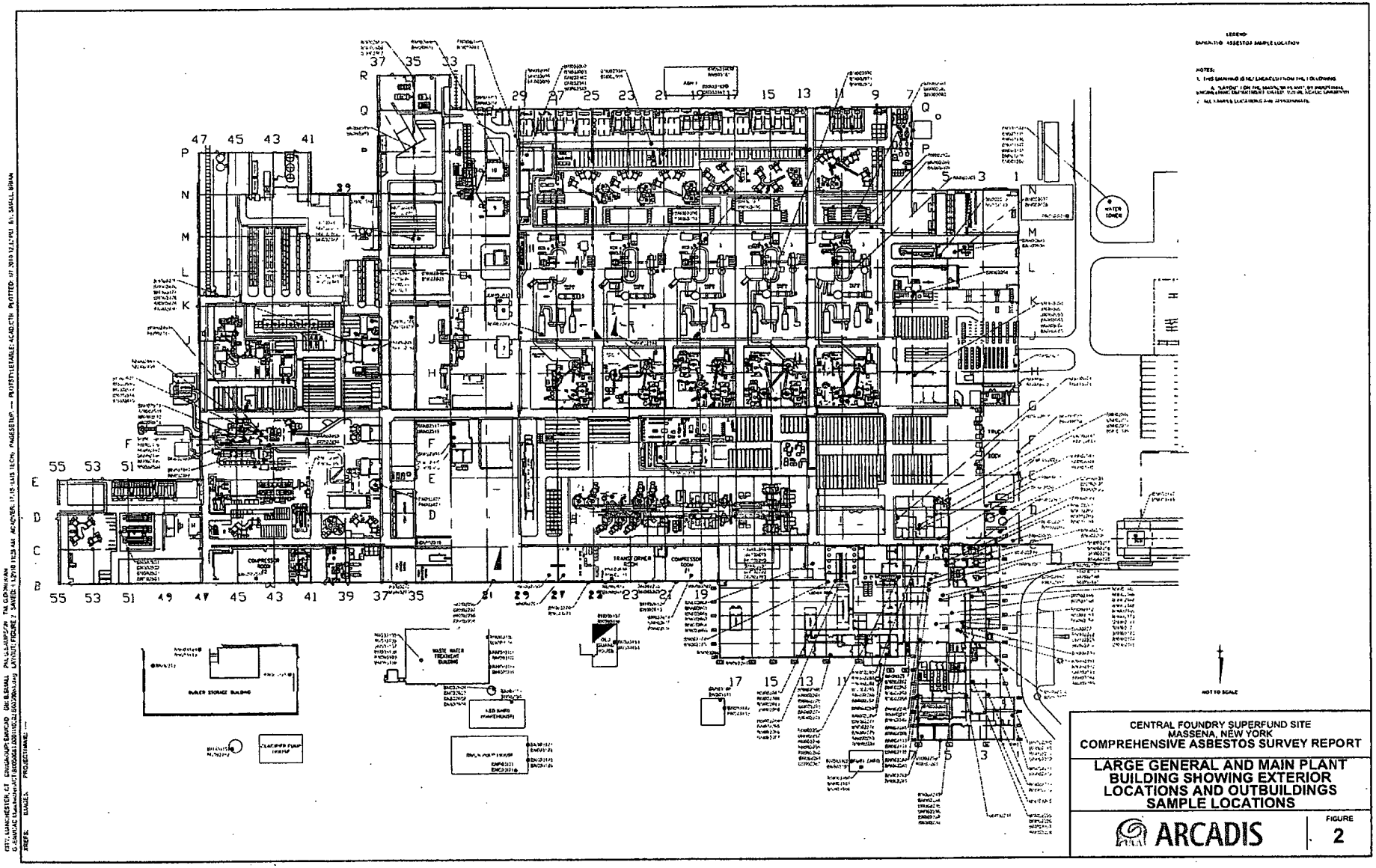


CENTRAL FOUNDRY SUPERFUND SITE
MASSENA, NEW YORK
COMPREHENSIVE ASBESTOS SURVEY REPORT

BASEMENT OF GENERAL PLANT BUILDING - SAMPLE LOCATIONS

ARCADIS

FIGURE 1

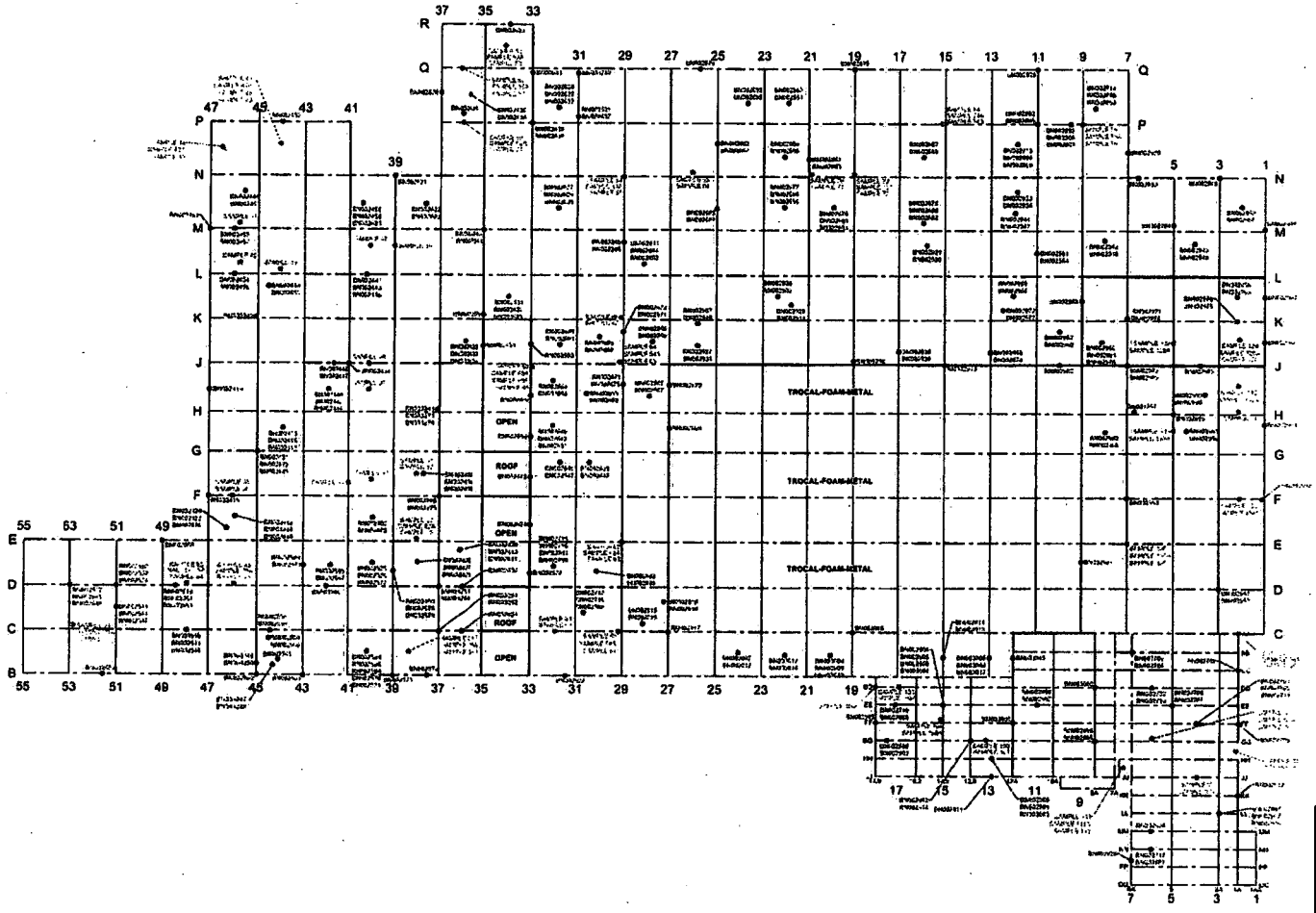


CENTRAL FOUNDRY SUPERFUND SITE
MASSENA, NEW YORK
COMPREHENSIVE ASBESTOS SURVEY REPORT

LARGE GENERAL AND MAIN PLANT BUILDING SHOWING EXTERIOR LOCATIONS AND OUTBUILDINGS SAMPLE LOCATIONS

ARCADIS

FIGURE 2

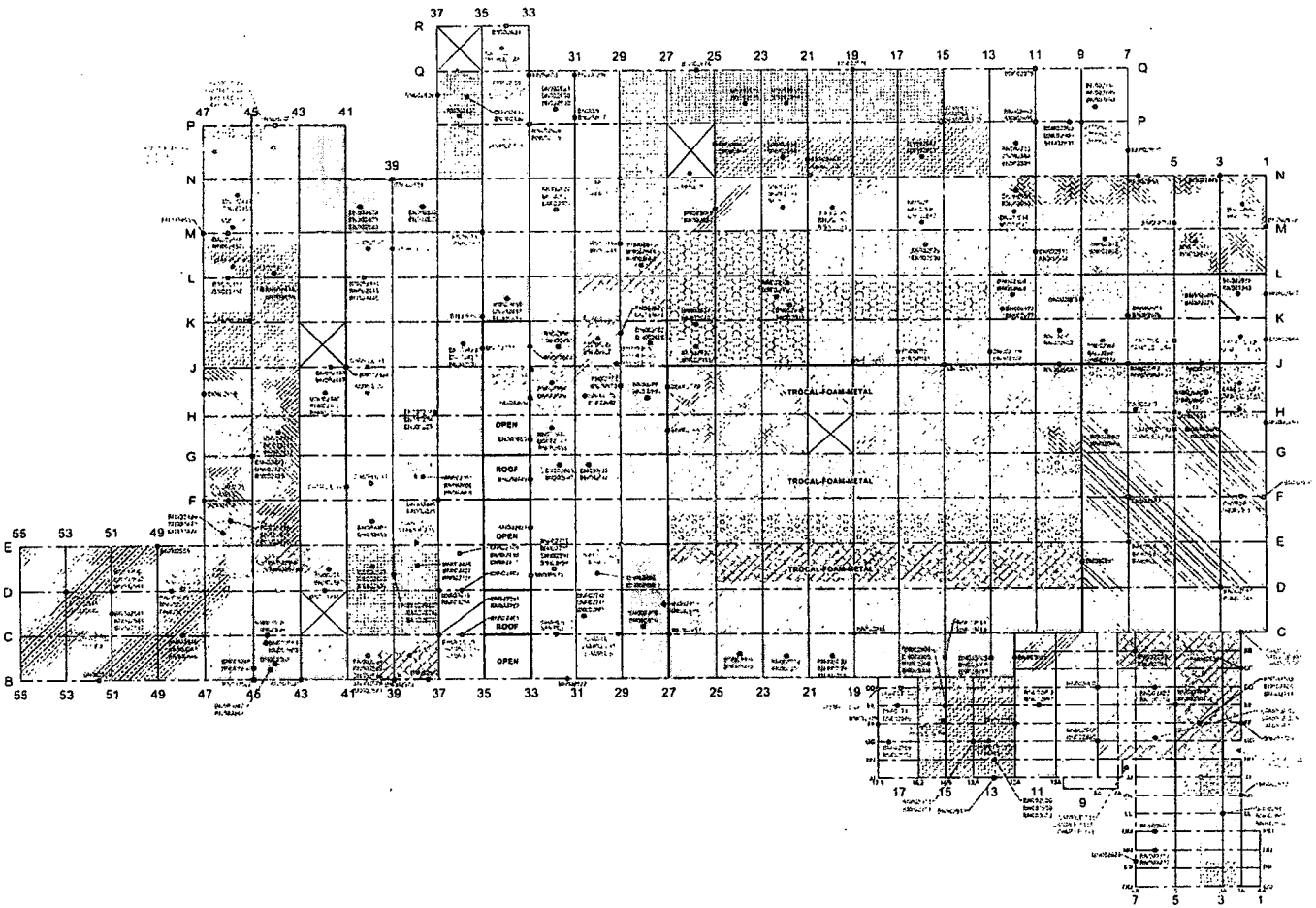


CENTRAL FOUNDRY SUPERFUND SITE
MASSENA, NEW YORK
COMPREHENSIVE ASBESTOS SURVEY REPORT

ROOF DRAWING SHOWING PREVIOUSLY SAMPLED MATERIALS AND NEW SAMPLE LOCATIONS

ARCADIS

FIGURE 3



LEGEND:

ROOF REPAIR KEY:

NOTES:

NOT TO SCALE

CENTRAL FOUNDRY SUPERFUND SITE
MASSENA, NEW YORK
COMPREHENSIVE ASBESTOS SURVEY REPORT

ROOF DRAWING SHOWING ROOF REPAIR HISTORY AND SAMPLE LOCATIONS

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FIGURE 4

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APPENDIX E

Regulatory Submittals

OSHA: U.S. Department of Labor, Occupational Safety and Health Administration, (OSHA), including but not limited to:

Asbestos Standard for the Construction Industry, Title 29, Part 1926, Section 1101 (Asbestos) of the Code of Federal Regulations

Summary: The asbestos standard for the construction industry (29 CFR 1926.1101) regulates asbestos exposure for the following activities:

- demolishing or salvaging structures where asbestos is present;
- removing or encapsulating asbestos-containing materials;
- constructing, altering, repairing, maintaining, or renovating asbestos-containing structures or substrates;
- installing asbestos-containing products;
- cleaning up asbestos spills/emergencies; and
- transporting, disposing, storing, containing, and housekeeping involving asbestos or asbestos-containing products on a construction site.

In general, OSHA coverage extends to all employers and their employees in the 50 states, the District of Columbia, Puerto Rico, and all other territories under Federal Government jurisdiction. Coverage is provided either directly by federal OSHA or through an OSHA-approved state program.

OSHA's revised standard establishes a new classification system for asbestos construction work, which clearly spells out mandatory, simple, technological work practices to follow to reduce worker exposures. Four classes of construction activity are matched with increasingly stringent control requirements.

The OSHA asbestos standard requires employers to take certain steps to prevent worker exposures to asbestos. These include exposure assessment, employee notification about asbestos in the workplace, posting of signs, establishing regulated areas, employee training, supervision by specially trained personnel, providing protective clothing and equipment, recordkeeping, and medical surveillance of exposed workers. The particular requirements that apply depend on the nature and extent of the work, on the materials involved, and on the results of the "exposure assessment."

In addition, the standard requires that building owners of buildings constructed prior to 1981 take steps to identify asbestos-containing materials in their building(s), to keep records about the presence of asbestos-containing materials, to post signs identifying areas of asbestos hazard, and to notify of the presence of asbestos hazards to tenants, contractors, and other employers whose workers may be occupationally exposed to asbestos.

Respiratory Protection Title 29, Part 1910, Section 134 of the Code of Federal Regulations

Access to Employee Exposure and Medical Records Title 29, Part 1910, Section 2 of the Code of Federal Regulations

Hazard Communication Title 29, Part 1910, Section 1200 of the Code of Federal Regulations

Specifications for Accident Prevention Signs and Tags Title 29, Part 1910, Section 145 of the Code of Federal Regulations

U.S. Department of Transportation (DOT), including but not limited to:

Hazardous Substances Title 29, Part 171 and 172 of the Code of Federal Regulations

U. S. Environmental Protection Agency (EPA), including but not limited to:

Asbestos Abatement Projects; Worker Protection Rule Title 40 Part 763, Subpart G of the Code of Federal Regulations

This regulation applies only to employees of a unit of government which are involved in asbestos abatement work.

National Emission Standards for Hazardous Air Pollutants (NESHAP); Asbestos NESHAP Revision; Final Rule (40 CFR Part 61)

Summary: The asbestos NESHAP defines an asbestos-containing material as any material containing more than one (1) percent asbestos as determined using the method specified in appendix A, subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy.

The standard requires that the part of a facility that may be disturbed by renovation or demolition operations be thoroughly inspected prior to renovation or demolition, in order to determine if Regulated Asbestos-Containing Material(s) are present. This inspection should determine if the standard for renovation and demolition (Section 61.145) applies. If the standard is applicable, then the owner or operator is required to notify the EPA prior to renovation and demolition activities, and follow specific procedures for emission control and waste disposal. The asbestos NESHAP is not applicable to residential structures having four or fewer dwelling units.

Prior to conducting any renovation/demolition activities which would potentially result in an asbestos exposure hazard to employees/building occupants and/or a fiber release episode, Regulated Asbestos-Containing Materials must be abated in accordance with the asbestos NESHAP.

Asbestos Hazard Emergency Response Act (AHERA) Regulation; Asbestos Containing Materials in Schools; Final Rule and Notice (40 CFR Part 763, Sub-part E).

This Regulation applies to inspection/abatement work performed in schools.

OSHA Lead in Construction Standard Summary

As outlined in the preamble to the U.S. Department of Labor OSHA Construction Standard for Lead (29 CFR 1926.62 Lead), the lead in construction standard is applicable to all occupational exposure to lead in all construction work in which lead in any amount is present in an occupationally related context.

Based on the detected levels of lead in paint, the OSHA Construction Standard for Lead (29 CFR 1926.62 Lead) is applicable to all construction work at this site since employees may be occupationally exposed to lead.

OSHA has included within the regulatory text three lists of tasks, the performance of which in the presence of lead trigger basic protective provisions prior to air lead monitoring

Task-related Trigger-1

The OSHA regulation, section (d), part (2) "protection of employees during assessment of exposure," states that where lead containing coatings or paint is present and the affected components are to be demolished, manually scraped, manually sanded, treated with heat gun application and/or power tool cleaned with a dust collection system, that until the employer performs an employee exposure assessment and documents that the employee(s) performing the demolition/renovation is not exposed to lead in excess of 500 micrograms per cubic meter (ug/m3), which is 10 times the Personal Exposure Limit (PEL), the employer shall treat the employee as if the employee were exposed to lead above the PEL, and not in excess of ten (10) times the PEL, and shall implement employee protective measures.

Task-related Trigger-2

The OSHA regulation, section (d), part (2) "protection of employees during assessment of exposure," states that where lead containing coatings or paint is present and the affected components are to be rivet busted, power tool cleaned without dust collection systems, cleanup activities where dry expendable abrasives are used, abrasive blasting enclosure movement or removal or using lead containing mortar (lead burning), that until the employer performs an employee exposure assessment and documents that the employee(s) performing the listed tasks is not exposed to lead in excess of 500 ug/m3, the employer shall treat the employee as if the employee were exposed to lead in excess of 500 ug/m3 and shall implement employee protective measures as outlined within the regulation. Where the employer does establish that the employee is exposed to levels of lead below 500 ug/m3, the employer may provide the exposed employee with the appropriate respirator prescribed for use at such lower exposures, in accordance with the regulation.

Task-related Trigger-3

The OSHA regulation, section (d), part (2) "protection of employees during assessment of exposure," states that where lead containing coatings or paint is present and the affected components are to be abrasive blasted, welded, cut or torched), that until the employer performs an employee exposure assessment and documents that the employee(s) performing the listed tasks is not exposed to lead in excess of 2,500 ug/m3 (50X PEL), the employer shall treat the employee as if the employee were exposed to lead in excess of 2,500 ug/m3 and shall implement employee protective measures as outlined within the regulation. Where the employer does establish that the employee is exposed to levels of lead below 2,500 ug/m3, the employer may provide the exposed employee with the appropriate respirator prescribed for use at such lower exposures, in accordance with the regulation.

Until the employer performs an employee exposure assessment and determines actual employee exposure, the employer shall provide the employee(s) with interim protection as follows:

a) Appropriate respiratory protection
b) Appropriate personal protective clothing
c) Change areas
d) Hand washing facilities
e) Biological Monitoring
f) Respiratory, Safety and Hazard Communication Training

Where the employer has previously monitored for lead exposures, and the data was obtained within the past 12 months during work operations conducted under workplace conditions closely resembling the process, type of material, control methods, work practices, and environmental conditions used and prevailing in the employee's current operations, the employer may rely on such earlier monitoring results to satisfy the requirements of the regulation if the sampling and analytical methods meet the accuracy and confidence levels of the regulation.

The employer of construction workers is responsible for the development and implementation of a worker protection program in accordance with 29 CFR 1926.20 and 29 CFR 1926.62 (e). To implement the worker protection program properly, the employer needs to designate a competent person, i.e,, one who is capable of identifying existing and predictable hazards or working conditions which are hazardous or dangerous to employees, in accordance with the general safety and health provisions of OSHA's construction standards.

At the minimum, the following elements should be included in the employer's worker protection program for employees exposed to lead:

* Hazard determination, including exposure assessment
* Engineering and work practice controls
* Respiratory protection
* Protective clothing and equipment
* Housekeeping
* Hygiene facilities and practices
* Medical surveillance and provisions for medical removal
* Training
* Signs; and
* Recordkeeping

It is OSHA policy that respirators are not to be used in lieu of engineering and work practices to reduce employee exposures to below the PEL. Respirators can only be used in combination with engineering controls and work practices to control employee exposures.

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APPENDIX F

Definitions

DEFINITIONS

Accessible material – any material access to which can be gained by any means other than significant destruction of building components, or, for the purposes of describing building occupant activities, a material subject to disturbance by routine use or maintenance activities.

Asbestos - the general name given to a number of naturally occurring hydrated mineral silicates each of which possesses a specific crystalline structure, is incombustible in air, and is separable into fibers. Asbestos includes the asbestiform varieties of Chrysotile (serpentine), Crocidolite (riebeckite), Amosite (cummingtonite-grunerite), Anthophyllite, and Actinolite.

Asbestos-Containing Material (ACM) - may be defined, as by the EPA, as any friable material or product containing greater than one percent asbestos or, by convention, as any material or product which contains >1% asbestos.

Asbestos debris - pieces of material which can reasonably be identified by color, texture or composition as being traceable to a known asbestos-containing application. May mean dust, if the dust is determined by analysis to be ACM.

Bulk samples - samples of bulk material; in the case of asbestos, suspect asbestos-containing material.

Chain-of-custody - formal procedures for tracking samples and ensuring their integrity.

Chatfield "Standard Operating Procedure" - a sample preparation procedure for materials other than friable insulation in which, by means of acid digestion and ashing, it is possible to separate asbestos fibers from hard-to-analyze matrices. This preparation technique is used most often in conjunction with Electron Microscopy (EM) and is considered state-of-the-art for materials such as floor tile, plaster and textured ceiling material.

Encapsulation - treatment of ACM with a material that surrounds or embeds asbestos fibers in an adhesive or cementitious matrix to inhibit the release of fibers. The encapsulant creates a membrane over the surface of the material (bridging encapsulant) or penetrates the material or binds its components together (penetrating encapsulant).

Enclosure - an airtight, impermeable, permanent barrier around ACM to prevent the release of asbestos fibers into the air.

EPA - United States Environmental Protection Agency.

Fair - as used to describe material condition, damage is more prevalent or severe than on materials rated as good.

Fiber release episode - any uncontrolled or unintentional disturbance of ACM resulting in airborne asbestos fiber emission.

Friability - the physical characteristic of any solid that describes its ability to be broken down to a powder or dust. A highly friable material is one that can be easily crumbled by hand pressure. A moderately friable material is one that can be crumbled with some difficulty by hand pressure or by mechanical means. A low friability material is one that may require mechanical means to crumble. While the condition of a material does not constitute a measure of its friability, weathering and deterioration can increase the friability of a material.

Glovebag - a plastic enclosure with built-in gloves which is placed with an airtight seal around asbestos-containing pipe lagging or other materials such that they may be removed or repaired without generating airborne fibers.

Good - as used in the context of material condition, integrity of the material is generally complete, with possible small areas of delamination or indications of limited contact or water damage. The mechanism to retain the insulation in its original position (e.g. cloth wrapping over pipe insulation) is still present.

Heating Ventilation and Air Conditioning (HVAC) system - the system of pipes, ducts, and equipment, (air conditioners, chillers, heaters, boilers, pumps, fans) used to heat, cool and filter air and move it through a building. The HVAC system is one of several mechanical systems found in most buildings.

High-Efficiency Particulate Air (HEPA) filter - a filtering system capable of trapping and retaining at least 99.97 percent of all particles 0.3 micrometers in diameter or larger.

Homogeneous application - an application of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in color, texture, and vintage of application.

Lock-down - application of a sealing material to ensure that any residual microscopic fibers remaining following asbestos removal are prevented from becoming airborne.

Mechanical system - a building component system: can include the plumbing system, elevator system, and others. (See Heating Ventilation and Air Conditioning system (HVAC).)

NIOSH - United States National Institute of Occupational Safety and Health.

Operations and Maintenance (O&M) Program - a program of work practices and training and management procedures designed to maintain ACM in good condition. An O&M Program ensures clean-up of asbestos fibers previously released and prevention of further release by minimizing and controlling ACM disturbance or damage. An O&M Program should be implemented at all buildings with ACM.

Optical microscope - a microscope which uses the transmission of light through lenses to magnify a specimen for examination. Capable of resolution of fibers or other materials down to approximately 0.25 micrometers in diameter.

OSHA - United States Occupational Safety and Health Administration.

Phase Contrast Microscopy (PCM) - an optical microscopic technique used for counting fibers in air samples. PCM does not distinguish between asbestos and non-asbestos fiber types. The PCM method currently recognized is referred to as NIOSH 7400.

Physical assessment - evaluating asbestos-containing material to determine its current condition and potential for future disturbance.

Plenum - a space in a building, other than a duct or shaft, designed to transport air. Plenums are commonly the space between a suspended ceiling and the floor above.

Polarized Light Microscopy (PLM) - an optical microscopic method for the identification of asbestos in bulk samples in which the sample is illuminated with polarized light. Poor - as used in the context of material condition, material is obviously damaged with evidence of delamination or inadequate adhesion of the material to its substrate.

Quality Assurance (QA) - a process designed to provide confidence that the quality control program is being applied effectively. The process includes an auditing procedure designed to evaluate all known policies and procedures that affect the quality of results.

Quality Control (QC) - a program comprised of the operational procedures to ensure that data are of known and acceptable precision and accuracy.

Response action - any method, including removal, encapsulation, enclosure, repair, or Operations and Maintenance Program that minimizes harm to human health and the environment from the hazards and effects of ACM.

Scanning Electron Microscopy (SEM) - magnification 450 - 15,000 x. Analytical technique used for air and bulk sample analysis. May use Energy Dispersive Spectroscopy (EDS) to positively identify chemical elements present in the sample. Method involves counting fibers (discriminating between fibers less than and greater than 5.0 microns length) in a known surface area of a filter or bulk material.

Specifications - a written set of standards, procedures, and materials for the abatement of asbestos. Includes contract documents detailing the Scope of Work of the project and defining Contractor, Building Owner and Consultant responsibilities.

Transite - a trade name for asbestos cement wallboard or pipe.

Transmission Electron Microscopy (TEM) - magnification commonly 1,000 - 25,000 x. State-of-the-art analytical method for air and bulk sample analysis. Uses high magnification to identify asbestos fibers. May utilize Energy Dispersive Spectroscopy (EDS) and/or Selected Area Electron Diffraction (SAED) to confirm that a fiber is asbestos and to identify the type of asbestos present. Recommended for ambient air evaluations and final clearance air samples. Also recommended for bulk analysis of samples with difficult-to-analyze matrices (e.g., plaster, vinyl tile). Provides the most definitive analysis of asbestos currently available.

MA0481 0003.1 rev 2 ACM Work Plan Submittal

Brandenburg® Industrial Service Company
2217 Spillman Drive
Bethlehem, Pennsylvania 18015-1982
Phone (610) 691-1800
FAX (610) 691-4200

Brandenburg®

www.Brandenburg.com

SUBMITTAL COVER SHEET

PROJECT: *MLC Massena Power Train MAS-100-AP*

OWNER: *Motors Liquidation Corporation*

IQAT: *Margaret Carillo-Sheridan (ARCADIS)*

Engineer: *ARCADIS*

Brandenburg Submittal No.: MA0481-0003 **Project Code: MA0481**
Revision No.: 0001

Asbestos Work Plan Revised Submittal

This document has been reviewed, coordinated and checked for accuracy of content and for compliance with the Contract Documents. The information contained herein has been coordinated with all applicable contractors, and is hereby submitted for approval.

Submitted by: *Jason GaNun* Date: February 15, 2011
Eric Ahlgren-Jason GaNun | Project Manager | Brandenburg

Review Status:
No Exceptions Taken _____ Approved as Noted _____ Revise & Resubmit _____ Rejected _____

Approved by:_____ Date: _____

Comments:

Complete copies of MSDSs and Worker Certifications will be provided prior to mobilization and amended as work progresses. Samples of each have been provided in this submittal.

OP-TECH

63 Trade Road, Bldg. # 4
P.O. Box 5182
Massena, N.Y. 13662
P: (315) 764-1917
F: (315) 764-9453
www.op-tech.us

February 15, 2011

Brandenburg Industrial Service Company
2625 South Loomis Street
Chicago, IL 60608
Attn: Mr. Jason GaNun

Telephone: 610-317-5386
Facsimile: 800-758-6847
E-mail: ganjas@brandenburg.com

Re: Arcadis Comment Responses
Work Plan, NYSDOL, & EPA Notifications
Central Foundry Superfund Site - Former General Motors Powertrain Plant
Massena, New York

Mr. GaNun:

This letter is written in response to review comments distributed by Arcadis regarding the OP-TECH draft copies of the Asbestos Work Plan, New York State Department of Labor asbestos project notification, and the United States Environmental Protection Agency asbestos/demolition notification submittals. I've offered our response and back up documentation as requested for each Arcadis submittal comment below.

Submittal # MAO481-0002; ASBESTOS VARIANCE

No Comments Issued

Submittal MAO481-0003; ASBESTOS WORK PLAN

Comment # 1:
Provide copies of valid Asbestos Designer Certificates for any personnel engaged in designing, planning, or phasing of ACM Abatement activities per Building Demolition Specifications. Final Work Plan shall include signature and seal of Asbestos Designer.

Response:
A NYSDOL certified asbestos project designer will have approved the Asbestos Work Plan and will include a cover letter with certifications stating the fact.

Comment # 2:
Waste transporter and disposal facilities will require USEPA approval before shipment of any waste.

Response:
Acknowledged. Waste transport and disposal facility information is included as an attachment to this response.

Comment # 3:
The following disposal facility information will need to be submitted to USEPA for review and approval.

a. Name, address, and phone number of the facility
b. Valid identification number
c. Facility permit and documentation of current permit status
d. Date and results of the most recent six-month State or USEPA regulatory inspection and any special provisions attached to the disposal permit as a result of the inspection
e. Anticipated waste materials and quantity to be received by the facility

Response:

a. Ontario County Landfill
   3555 Post Farm Rd.
   Stanley, N.Y. 14561
   585-526-4420
b. NYSDEC Part 360 Permit # 8-3244-00004 / 00001
c. Attached
d. Attached
e. Estimated waste materials and quantities
   - Non-Friable ACM Estimated 85 Ton
   - Friable ACM Estimated 45 Ton

Comment # 4:
The following transporter(s) information will need to be submitted to USEPA for review and approval.

a. Name, address, and telephone number
b. Valid identification number
c. Documentation of current permit status, includingtypes of materials permitted to transport (eg., hazardous, TSCA, or ACM wastes).

Response:

a. Casella Waste Services
   472 West Parishville Rd.
   Potsdam, N.Y. 13676
   315-265-3860
b. NYSDEC Part 364 Waste Transporter Permit # 6A-058 is attached.
c. Permit and current status information is attached.

Comment # 5:
Miscellaneous buildings identified on page 26 of submittal are not part of planned demolition activities. Abatement activities should be confined to the building scheduled for demolition: Former Powertrain Plant Facility, Plant Cooling Water Building, and the Water Tower.

Response:
Acknowledged. The Asbestos Work Plan has been revised to reflect only those buildings identified for demolition.

Comment # 6:
Current qualifications, certifications, and licenses for all asbestos abatement personnel shall be provided to the MLC and the Engineer for review and acceptance prior to commencement of the asbestos abatement activities, including pre-abatement activities (such as equipment set up).

Response:
Acknowledged. All OP-TECH personnel scheduled for asbestos abatement will have their pertinent documentation submitted and approved by OP-TECH, MLC, and the engineer prior to site access.

Comment # 7:
Staging areas, decontamination pads, or other support facilities to be constructed and/or operated by Brandenburg and utilized by OP-TECH during abatement activities should be identified.

Response:
Under the present configuration, OP-TECH does not anticipate access into the TASCA regulated areas. However, the work plan will be revised to include reference to the potential use of such control zones should access be required.

Comment # 8:
Building Representative/Site Contact is as follows:

Phone Number 315-764-2398
E-mail Address ..... James.Palmieri@obg.com
Cell Phone Number 860-899-5056

Response:
Acknowledged. The work plan will be revised to include the provided information.

Submittal MAO481-0004; ASBESTOS NESHAP NOTIFICATION

Comment # 1:
Square footages of demolition area is incorrect (Section V).

Response:
Acknowledged. The USEPA notification section has been revised to 855,000 square feet as identified in the bid documents.

Comment # 2:
Demolition is being conducted under USEPA Order (Section XIV).

Response:
Acknowledged. The USEPA notification section has been revised to reflect the correct information.

Comment # 3:
See Notes on MAO481-0002 and MAO481-0003 regarding transporter and disposal facility approval requirements, and contact information for site contact.

Response:
Acknowledged. Requested asbestos waste transporter and disposal facility documentation has been included as an attachment to this letter.

Comment # 4:
Contract dollar amount is not current.

Response:
The contract amount identified is that which has been tentatively established between OP-TECH and Brandenburg. The actual amount has not yet been agreed upon. For submission of the NYSDOL notification, an estimated dollar amount is acceptable.

Comment # 5:
Notification references variance to be obtained for abatement activities. Will this delay commencement of interior asbestos abatement that is scheduled to be performed under the variance?

Response:
No. The interior abatement activities can commence following the required ten business day notification period as required within Industrial Code Rule 56. The variance is submitted as a separate document from the asbestos project notification and will be assigned a unique document number when received by the NYSDOL. This number will be included with the initial NYSDOL asbestos project notification if it has been received prior to submission or will be added as an amendment to the notification once it is available.

Please contact me should you have any further questions regarding the information provided.

Regards,
OP-TECH ENVIRONMENTAL SERVICES, INC.

Guy P. Griffin
Project Manager

E-cc; B. Hunter, OP-TECH
M. Rose, OP-TECH

OP-TECH
Environmental Services, Inc.

PROJECT WORK PLAN
For
Asbestos / PCB Abatement
At The
Central Foundry Superfund Site
Former General Motors Power-Train Plant
Massena, N.Y.

Prepared for:

Brandenburg Industrial Service Company
2625 South Loomis Street
Chicago, IL 60608
Attn: Mr. Jason GaNun

Prepared by:

OP-TECH Environmental Services, Inc.
63 Trade Rd., Bldg. # 4
Massena, N.Y. 13662

Final

February 15, 2011

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II. Medical Surveillance

III. Site Specific Safety & Accident Prevention Plan

IV. Site Control

V. Emergency Response

VI. Hearing Conservation Procedures

VII. Hazard Communication Plan

VIII. Asbestos Abatement Plan

IX. PCB Abatement Plan

X. OP-TECH Organizational Chart-Massena Branch Office

XI. Employee Certifications (Not Included)

XII. MSDS (Not Included)

Attachment A: Employee Acknowledgement
Attachment B: Casella Waste Services NYSDEC Part 364 Waste Transporter Permit
Attachment C: Ontario County Landfill NYSDEC Part 360 Solid Waste Management Permit

Introduction

This Project Work Plan (PWP) has been developed to provide both general procedures and specific requirements to be followed by OP-TECH Environmental Services, Inc. (OP-TECH) personnel while performing abatement of PCB and Asbestos Containing Materials (ACM) for Brandenburg Industrial Service Company (Brandenburg-Client) at the former General Motors Power-Train Plant (Owner) located at 56 Chevrolet Rd., Massena, New York. Any reference to OP-TECH shall imply any / all parties subcontracted for specific portions of this project.

This PWP describes the outline of activities required to remove asbestos and PCB containing materials from various identified locations throughout the plant. Specifically, this PWP is being prepared to contain site documents required for execution of asbestos and PCB abatement related environmental services as delineated within the plans, specifications, and bid documents issued as part of Motors Liquidation Corp. (MLC) RFQ # MAS-100-AP.

In addition to this PWP, Brandenburg will require OP-TECH to adhere to their site specific Health & Safety Plan. This HASP will be reviewed with OP-TECH employees by Brandenburg during a site specific project orientation prior to beginning work on site. Any new OP-TECH employees will also require site orientation and review of the Client's HASP before being allowed to work on this project.

A. Implementation of the PWP

The requirements and guidelines presented in this PWP are based on a review of Arcadis Comprehensive Asbestos Demolition Survey Report, Ref. # B00-50081-0000-40202 (3/31/10), additional available information and an evaluation of potential on-site hazards. This PWP also incorporates by reference the applicable Occupational Safety and Health Administration (OSHA) requirements in 29 CFR Part 1910 and 29 CFR Part 1926. OP-TECH personnel are required to read this PWP before beginning work on site and it will be available for inspection and/or review by OP-TECH employees while work activities are underway. Should new employees to the site be assigned, they also will be required to read this PWP prior to participating in any activities. On-site, OP-TECH personnel will notify the OP-TECH Project Manager, Site Supervisor or Health and Safety Manager of health and safety concerns. The Project Manager is responsible for implementation of this PWP and for modifying this PWP to the extent necessary if site conditions change. This PWP is specifically intended for the conduct of activities at the site described herein for the areas of the Property owned by MLC.

Although this PWP can be made available to interested persons for informational purposes, OP-TECH does not assume responsibility for the interpretations or activities of any persons or entities other than employees of OP-TECH or those individuals under which OP-TECH has subcontracted work to.

B. Project organization

All OP-TECH personnel involved in the activities at the property owned by MLC implicitly have a part in implementing this PWP. Among them, the Project Manager, the Site Supervisor, and the Corporate Health & Safety Director have specific designated responsibilities. Their names and telephone numbers are listed in Table 1. Other key OP-TECH project personnel, the project's organization, and other primary contacts for the project are presented in this PWP.

Key personnel and their responsibilities with regard to the PWP are discussed below.

Project Manager: Guy Griffin is assigned as the project manager. The project manager is responsible for the overall administration and technical execution of the project. The project manager is further responsible for the acquisition and delegation of resources necessary for project completion and PWP implementation.

Site Supervisor / Site Safety Officer: Richard Fairbridge / Ronald Martin are scheduled as the Project Site Supervisor / Site Safety Officer (SS/SSO) and will share responsibilities for this project. The SS/SSO is responsible for the management of all on site activity and to communicate with the project manager as well as implement and enforcement of the requirements of this PWP.

As the Site Safety Officer, the Site Supervisor is responsible for the following actions:

- Familiarizing workers with the PWP
- Conducting and documenting daily on-site health and safety training and briefing sessions
- Documenting the availability, use, and maintenance of personal protective and other safety or health equipment
- Maintaining safety awareness among OP-TECH employees on-site and communicating health and safety matters to them
- Reviewing field activities for performance in a manner consistent with OP-TECH policy and this PWP
- Monitoring health and safety conditions during work activities
- Coordinating emergency response personnel and medical support facilities
- Notifying the Project Manager and HSD of the need to initiate corrective actions in the event of an emergency, an accident, or identification of a potentially unsafe condition
- Notifying the Project Manager and HSD of an emergency, an accident, the presence of a potentially unsafe condition, a health or safety problem encountered, or an exception to this PWP
- Conducting daily inspections of the site and equipment

Corporate Health and Safety Director: Mr. Patrick Salvador is the OP-TECH Corporate Health and Safety Director (HSD). The HSD coordinates with the OP-TECH Project Manager and Site Supervisor / Site Safety Officer, establishes operating standards and provides guidance on project safety and health activities for the site. The HSD reviews project plans and revisions to plans to determine that safety and health procedures are maintained throughout the investigation.

The HSD audits the effectiveness of the PWP and suggests changes, if necessary, to the Project Manager.

Specifically, the HSD is responsible for the following actions:

- Providing requirements of the availability, use, and maintenance of personal protective and other safety or health equipment
- Provide health and safety conditions to be monitored during work activities
- Conduct safety and health performance and system audits as needed
- Recommending improvements in health and safety measures to the Project Manager

The HSD has the authority to recommend that the Project Manager take the following actions to protect personnel, property and preserve regulatory compliance.

- Suspend field activities or otherwise limit exposures if the health or safety of any OP-TECH employee appears to be endangered
- Notify OP-TECH personnel to alter work practices that the HSD deems unsafe.
- Suspend an OP-TECH employee from field activities for violating the requirements of this PWP.

Table 1. ***Key Project Personnel***

Company	Name and Title	Telephone
Motors Liquidation Corp.	James Palmieri Site Manager	Office: 315-764-2398 Cell: 860-899-5056
Brandenburg Industrial Service Corp.	Jason GaNun Project Manager	Office: 610-317-5386 Cell: 484-239-4844
Brandenburg Industrial Service Corp.	Joel Rohas General Superintendent	Office: 610-317-5386 Cell: 484-239-4844
Brandenburg Industrial Service Corp.	John Williams Site Safety & Health Supervisor	Office: 484-221-2035 Cell:
OP-TECH	Guy Griffin Project Manager Massena, New York	Office: 315-764-1917 Cell: 315-250-7696
OP-TECH	Richard Fairbridge / Ronald Martin Site Supervisors / Site Safety Officers Massena, New York	Office: 315-764-1917 (RF) Cell: 315-250-1303 (RM) Cell: 315-250-7695
OP-TECH	Patrick Salvador, P.E. Corp. Health and Safety Director (HSD) East Syracuse, N.Y.	Office: 315-437-2065 Cell: 315-412-6887

I. Personnel Training

A. Site workers

OP-TECH employees performing the site activities outlined in this PWP shall have completed a training course of at least 40 hours fulfilling the requirements of 29 CFR 1910.120(e) for safety and health at hazardous waste operations. If the course was completed more than 12 months prior the date of site work, completion of an 8-hour refresher course on health and safety at hazardous waste operations is required. In addition, each OP-TECH employee who may be engaged in lead abatement activities will have received OSHA Lead Awareness training as part of their annual recertification.

B. Site-specific training

Site / project specific training will be provided to each OP-TECH employee and subcontractor prior to receiving an assignment onsite. OP-TECH employees will also receive mandatory site specific orientation training from the Client prior to being allowed to work on this project. OP-TECH personnel and/or subcontractors will be briefed daily by the OP-TECH Site Supervisor as to the potential hazards that may be encountered during that day. Topics may include, but not limited to:

- Availability of this PWP
- General site hazards and specific hazards in the work areas
- Scope of work to be completed for the day
- Selection, use, testing, and care of the body, eye, hand, foot and respiratory protective equipment being worn and the limitations of each
- Decontamination procedures for onsite personnel, their personal protective
- Emergency response procedures and requirements
- Emergency notification procedures and evacuation routes to be followed
- Procedures for obtaining emergency assistance and medical attention
- Location of emergency phone number

In addition to OP-TECH employee and OP-TECH subcontractor site specific training discussed above, OSHA 1926.1101(d)(1) states "On multi-employer worksites, an employer performing work requiring the establishment of a regulated area shall inform other employers on the site of the nature of the employer's work with asbestos and/or PACM, of the existence of and requirements pertaining to regulated areas, and the measures taken to ensure that employees of such other employers are not exposed to asbestos".

ICR 56-1.4 further defines the requirements for multi-employer worksites to include:

1) Notification to employers of high air samples, work stoppage, and barrier inspection/repair reports for the event.
2) Notification by employers upon discovery of presumed and/or suspect ACM.

The provisions of OSHA and ICR 56 will be accomplished by publication of scheduled abatement types and locations to the Client for dissemination to other employers at the start of the project. Changes to abatement schedule, locations, or discovery of additional ACM will be made available to other contractors as they are identified.

C. Training certification

A record for site-specific training and daily safety meetings will be maintained for each OP-TECH employee as well as each subcontractor employee who receives training. This record will include at a minimum; the employee's name, employer, date of training, and items covered.

II. Medical Surveillance

OP-TECH has implemented a medical monitoring program in accordance with 29 CFR 1910.120. This OP-TECH program is designed to monitor and reduce health risks to employees potentially exposed to hazardous materials and to provide baseline medical data for each employee involved in work activities. It is also designed to determine the employee's ability to wear personal protective equipment (PPE) such as chemical resistant clothing and respirators.

Medical examinations are administered on a post-employment and annual basis and as warranted by symptoms of exposure or specialized activities. The examining physician is required to make a report to OP-TECH of any medical condition that would increase the employee's risk when wearing a respirator or other PPE. OP-TECH maintains site personnel medical records as required by 29 CFR 1910.20, as applicable. All subcontractor employees under the guise of OP-TECH services will be required to provide, at a minimum, the identical requirements found within the OP-TECH medical surveillance program.

Employees who wear or may wear respiratory protection have been provided respirators as required by 29 CFR 1910.134. This standard requires that an individual's ability to wear respiratory protection be medically certified before performing designated duties.

For PCB and lead abatement activities that may be conducted during this project, OP-TECH employees engaged in the direct removal process will be required to receive additional biological monitoring in the form of blood sampling and analysis prior to and following completion of their assignment to this project.

III. Site Specific Safety & Accident Prevention Plan

The potential health and safety hazards and the hazard and contaminant control procedures for each task are discussed below. Additionally, a site specific Project Safety Plan is included at the end of this section to further delineate work activities, hazards, and controls.

The Hazard Analysis for tasks and/or associated hazards anticipated during this project include:

A. Mobilization / Demobilization
B. Containment Structure Erection
C. PCB /ACM Based Paint Abatement
D. Heat / Cold Stress
E. Noise
F. Electrical

A. Mobilization/Demobilization

1. **Potential health hazards and contaminants**
General physical hazards do potentially exist during this phase such as; lifting, bending, pinch points, trip /fall hazards, thermal stress, eye hazards and noise as well as mechanical operational hazards during site preparation, loading / offloading of equipment, and transport activities.

2. **Hazard and contaminant control**
Initially, level D personal protective equipment is to be worn and includes work gloves, safety glasses, safety shoes IAW ANSI Z41 and hard hats IAW ANSI Z89s. Hearing protection will be available and may warrant use when working in and around the heavy equipment. Personnel shall dress appropriately to protect from exposure to heat and/or cold stress conditions. Drinking water will be available at all times. Employee awareness training will alert individuals to potentially dangerous conditions with their fellow workers and/or themselves. Safe lifting procedures will be used when moving heavy objects. Use of mechanical means will be made where possible and a lifting partner when required. Worker rotation will be implemented to minimize heat stress and fatigue.

B. Containment Structure Erection

1. **Potential health hazards and contaminants**
Site specific activities associate with containment erection may include: working at elevated heights on scaffolding and/or ladders, use of scissor and/or boom type manlifts, skin cuts during cutting of polyethylene sheeting, and eye hazard during stapling of polyethylene sheeting.

2. **Hazard and contaminant control**
   Initially, level D personal protective equipment is to be worn and includes work gloves, safety glasses, safety shoes IAW ANSI Z41 and hard hats IAW ANSI Z89s. Hearing protection will be available and may warrant use when working in and around the heavy equipment.

   Employees assigned to activities associated with scaffolding including erection, disassembly, moving, operation, repair, maintenance, or inspection of a scaffold, will be trained by a competent person to recognize any hazards associated with the work in question. Training will include the nature of scaffold hazards, correct procedures for applications noted above, design criteria, and any other pertinent information pertaining to the application being utilized for. Ensure scaffolding to have a proper working platform with toe-boards and handrails. Workers will maintain minimum three point contact while on stepladders and/or extension ladders. Top of extension ladders will be secured and extend a minimum of three feet above the upper most platform in which to egress the ladder. Base of extension ladders will be positioned at no less than a 4:1 ratio away from the vertical face of the component being accessed. Operators of man-lifts will have been certified in the particular type lift. Workers will wear leather palm gloves and safety glasses at all time during cutting of polyethylene sheeting and general construction of the containment.

C. **PCB / Asbestos Abatement**

1. **Potential health hazards and contaminants**
   Hazards associated with PCB / Asbestos containing materials abatement include exposure by inhalation of contaminated dust, injection by skin puncture during removal activities, ingestion, and dermal exposure to skin.

2. **Hazard and contaminant control**
   To insure protection from PCB / Asbestos contamination during abatement operations, workers will wear level C protection consisting of; NIOSH approved half-face air purifying respirators with high efficiency dust (HEPA) filters, disposable coveralls, gloves, steel-toe boots / shank, hard hat, and safety glasses. A personnel decontamination station will be attached to the work area or strategically positioned on site as required by ICR 56 for workers to maintain personal hygiene throughout each process. Wet removal methods and use of HEPA equipped vacuums / negative air scrubbers will reduce potential airborne contaminant exposure to employees.

D. **Heat Stress / Cold Stress**

1. **Potential health hazards and contaminants**
   Hazards associated with heat stress are potentially a major hazard for workers wearing protective clothing. Due to the impervious nature of the PPE to keep chemicals away from the skin, body heat and moisture are trapped within the PPE. Hazards associated with cold stress most notable are hypothermia and frostbite.

2. **Hazard and contaminant control**
Careful training and frequent monitoring of personal who wear protective clothing, scheduling of work and rest periods, and the frequent replacement of fluids can protect against heat and cold stress hazards.

Additional controls include: Adjusting work schedules, provide air conditioned or shaded rest areas during warm weather and heated areas during cool or cold weather conditions, acclimatize workers to site work conditions, provide cooling devices to aid natural body heat exchange during prolonged work or severe heat exposure. Review recognition and treatment of heat and cold stress conditions, with workers during daily toolbox talk.

E. Noise

1. **Potential health hazards and contaminants**
Hazards associated with noise due to equipment operation may exist during various abatement activities.

2. **Hazard and contaminant control**
Engineering or administrative controls will be utilized, where feasible, to reduce decibel levels to acceptable limits which do not exceed the permissible noise exposures. Positioning of motorized equipment away from the work areas will reduce personal exposure. Where such controls are not feasible, hearing protection devices will be provided and will be required to be worn by employees to reduce sound levels to acceptable levels.

F. Electrical

1. **Potential health hazards and contaminants**
Electrical hazards associated with various activities will include potential for electrocution during use of extension cords and powered equipment in wet conditions required for abatement, unknown power sources feeding the work areas, etc.

2. **Hazard and contaminant control**
Engineering or administrative controls will be initiated by the Client for lock-tag-try on any electrical system identified with each work area. Identification of power sources, de-energization, and verification will be performed by Client representatives prior to starting of abatement activities. Location specific clearances will be received and documented by OP-TECH within the asbestos project log. The OP-TECH SS/SSO will coordinate with the Client representative to prepare each work area clearance prior to the start and to address any changes in electrical conditions that would impact the safety of abatement personnel.

IV. Site control

A. Site security

Asbestos work area security will be monitored and controlled by the OP-TECH Site Supervisor. These duties will include limiting access to the work area to authorized personnel, overseeing project equipment and materials, and overseeing work activities. Access into designated abatement locations will be secured by a lockable entry door. The procedures specified below will be followed to control access at the work site and to prevent persons who may be unaware of site conditions from exposure to hazards. Work area control procedures may be modified as required by site conditions.

B. Site control

The immediate property of this project is owned by the MLC. Potential exposure to the public will be generally limited to MLC employees and/or subcontractors working in or passing through the immediate area around the abatement containment structure. The containment structure footprint will be considered as the Exclusion Zone (EZ) with boundaries established by barrier tape and asbestos danger signs.

C. Site access procedures

The OP-TECH Asbestos Site Supervisor will establish the EZ by erection of barrier tape, barricades, and/or other means utilized for limiting access to the work area. These locations will be reviewed during daily safety briefings before beginning of the project and with changes made as the work activities progress.

D. Site communications

At a minimum, one (1) mobile telephone will be provided for onsite communication and will be used for emergency response, if required. Additional radio devices may be provided for communication between subcontractor and general contractor management personnel.

V. Emergency Response

A. Notification of site emergencies

Brandenburg's on-site emergency communications will be conducted through the use of two-way radios and air horns. Channel No. 3 on their radios will be dedicated as the emergency channel. Brandenburg's General Superintendent, Superintendent, Site Supervisor's, SSHS and equipment operators will be assigned radios. When broadcasting an emergency on channel No. 3, the message is received on all radio channels.

When an emergency condition warrants the evacuation of all personnel from the work site, air horns stationed at strategic locations around the site, including at asbestos containment work entry areas, will be sounded. Key personnel for OP-TECH, including the SS/SSO and work area asbestos supervisor, will be immediately notified of the emergency situation by the Brandenburg SSHS and evacuation begun to the designated assembly area..

To signal an emergency to workers inside of the containment area, the OP-TECH SS/SSO and/or the asbestos supervisor for the work area, will signal distress to workers inside of the containment by use of the nearest air horn. Employees will immediately decontaminate through the personal decontamination station, exit the work area, and proceed to the designated emergency rendezvous point.

The primary assembly area will be the office trailers to the North of the Administration Building. The Butler Building on the North side of the plant to the East of the WWTP will be used for a place of refuge. The OP-TECH SS/SSO and/or asbestos supervisor will verify that all OP-TECH personnel are accounted for and report this information to the Brandenburg SSHS immediately. Work will not continue until the Brandenburg SSHS confirms that emergency condition has been resolved and it is safe to return to the area.

If changes are made to the designated assembly locations, all personnel will be informed and updated during the daily safety meeting.

Table V-1 identifies the emergency contact information for area response organizations.

Table V-1 contains emergency telephone numbers. This table will be updated as needed by the project manager and HSD.

Table V-1. ***Emergency telephone numbers***

Location	Telephone Number
General Emergency Assistance (St. Lawrence County)	911
Massena Fire Department (via St. Lawrence Cty. Fire Control)	911
Massena Police Department New York State Police	315-769-3577 911
Massena Memorial Hospital 1 Hospital Drive, Massena, N.Y. 13662 Poison Control Center	911 1-315-769-4200 1-800-282-3171
National Response Center	1-800-424-8802
NYSDEC Spill Hotline	1-800-457-7362
Chemical Emergency Advice (CHEMTREC)	1-800-424-9300
NYSDEC Region 6 - Ray Brook, N.Y.	1-518-897-1242
USEPA	212-637-3000

Should an employee require transport to a hospital or doctor, a copy of this PWP and any required MSDS's shall accompany them.

B. Responsibilities

For documentation of an emergency event, the OP-TECH Project Manager is responsible for responding to, or coordinating the response of, off-site personnel to emergency locations. In the event of an emergency, the Site Supervisor/Site Safety Officer (SS/SSO) will direct notification and response, and will assist in arranging follow-up actions. Upon notification of an exposure incident, the SS/SSO will call the hospital, fire, and police emergency response personnel for recommended medical diagnosis, treatment if necessary, and transportation to the hospital.

Before the start of investigation activities at the property, the SS/SSO will:

1. Notify emergency contacts, and health care facilities of the potentially hazardous activities on-site as a result of the activities listed in the (PSP).

2. Confirm that the following safety equipment is available: eyewash, first aid supplies, and fire extinguishers

3. Have a working knowledge of the OP-TECH safety equipment.

4. Confirm that employees who will respond to emergencies have been appropriately trained.

Before work may resume following an emergency, used emergency equipment must be recharged, refilled, or replaced and government agencies must be notified as required.

The HSD and the Project Manager are responsible for investigating the incident as soon as possible. The Project Manager will review the incident investigation report to determine whether and to what extent exposure actually occurred, the cause of exposure, and the means to prevent similar incidents. The resulting report must be signed and dated by the Project Manager and the HSD.

C. Accidents and injuries

In the event of a serious accident or injury requiring immediate medical attention, workers will implement emergency isolation measures to assist those who have been injured or exposed and to protect others from hazards. Upon notification of a personal injury or accident, the Site Supervisor will immediately contact Massena Memorial Hospital by dialing 911 and the project manager as soon as reasonably possible. For minor injuries not requiring immediate medical attention, first aid measures will be applied where appropriate. If necessary, immediate medical care will be provided by personnel trained in first aid procedures. Other on-site medical or first aid response to an injury or illness will be provided only by personnel competent in such matters. The individual will be transported to the Massena Memorial Hospital, if necessary, for further first aid measures.

D. Fire fighting procedures

A fire extinguisher meeting the requirements of 29 CFR Part 1910 Subpart L, as a minimum, will be available at each asbestos work area. This is intended to control small fires. When a fire cannot be controlled with the extinguisher, the exclusion zone will be evacuated and the fire department will be contacted immediately. The Project Manager or the Site Supervisor will determine when to contact the fire department.

E. Emergency equipment

The following equipment, selected based on potential site hazards, will be maintained in the support zone for safety and emergency response purposes:

- ABC Fire extinguisher
- First aid kit
- Eye wash bottles

F. Emergency site communications

Cellular phones, two-way radios, hand and verbal signals will be used as on site emergency communication. Air horns will be used to signal an evacuation of personnel from the site and to immediately proceed to the designated assembly location. Two way radios and/or cell phones may also be utilized during site activities for emergency response coordination.

G. Security and control

Work zone security and control during emergencies, accidents, and incidents will be monitored by the Project Manager and/or the Site Supervisor. The duties of the Project Manager and/or the Site Supervisor include limiting access to the work zone to authorized personnel and overseeing emergency response activities.

VI. Hearing Conservation Procedures

A. Introduction

To effectively protect employees' hearing from hazards arising out of certain job tasks, various types of personal protective equipment must be used. The preferred method of hearing protection is to eliminate or reduce the potential hazard. Whenever it is not feasible to reduce the noise levels or duration of exposures to those specified in Table IX-B-1, Permissible Noise Exposures, OP-TECH employees shall wear hearing protectors.

B. Specifications

The project manager will be responsible for evaluating hearing protectors for attenuation according to 29 CFR 1910.95, Appendix B. The hearing protectors must attenuate employee exposure at least to an eight-hour time-weighted average of 85 decibels, A-weighted.

C. Selection and Fitting

A variety of hearing protectors will be available (plugs and muffs) to employees exposed to an eight-hour time-weighted average of 85 decibels, A-weighted or greater.

D. Issuance of Hearing Protectors

Hearing protection may be obtained from the SS/SSO. Once issued, employees are responsible for bringing their own device to the jobsite as well as for wearing them.

E. Use

a. Formable plugs should be rolled and compressed into a very thin cylinder. While compressed, insert the plug well into the ear canal. Reach around the head to pull the ear outward and upward during insertion.

b. Premolded plugs should be inserted by reaching around the back of the head to pull the ear outward and upward while inserting the plug until it feels like it's sealed.

c. Earmuffs must fully enclose the ears to seal against the head. Adjust the headband so the cushions exert even pressure around the ears. Pull hair back and out from beneath the cushions.

d. The fit of earplugs can be checked by pressing firmly cupped hands over your ears while listening to a steady noise. With properly fitted plugs the noise levels should be about the same whether or not the ears are covered.

F. Care and cleaning

a. Keep formable plugs and ear muff cushions clean and free from material that can irritate the ear canal.

b. Formable plugs and ear muff cushions may be washed in a mild detergent and warm water. Squeeze excess water from the plugs and air dry. Discard plugs if they harden, or do not return to their original size and shape.

c. Ear muff cushions normally need replacing twice a year or more - whenever they become stiff, cracked, or do not seal.

Project Supervisors and Foremen on the job site will remind personnel to wear hearing protection if employees are exposed to hazardous noise. Hazardous noise is where one has to raise the voice within three feet of the listener.

Table VI-1

PERMISSIBLE NOISE EXPOSURES

Duration per day, hours	Sound level, dBA, slow response
8	90
6	92
4	95
3	97
2	100
1 1/2	102
1	105
1/2	110
1/4 or less	115

VII. Hazard Communication Plan

A. Introduction

OP-TECH is committed to providing a safe and healthy work environment for all employees through compliance with the Federal Hazard Communication Standard. It is recognized that certain work activities and procedures require the use of or exposure to chemicals which have potentially hazardous properties. When exposed to such chemicals, it is important that workers are aware of the identity and potentially hazardous properties of the chemicals. This section represents the Written Program and has been established to summarize the components of the Hazard Communication Program instituted by OP-TECH. This Written Hazard Communication Program is available to all employees, their designated representatives, and representatives of the Federal Occupational Safety and Health Administration. This Program has been developed in compliance with the federal regulations contained in 29 CFR 1910.1200 and 29 CFR 1926.59. Further information on the program may be obtained from the Health and Safety Director.

B. Materials Exempted

The following materials are exempt from ALL aspects of the Federal Hazard Communication regulations:

1. Tobacco or tobacco products;
2. Wood or wood products;
3. Articles (defined as manufactured items, intended for use in specific shape or design, which do not release, or otherwise result in exposure to a hazardous chemical);
4. Food, drugs, cosmetics, or alcoholic beverages in a retail establishment packaged for sale to consumers;
5. Any consumer product or hazardous substance (as governed by the Consumer Product Safety Commission) which is used in the workplace in the same manner as normal consumer use, which results in a frequency and duration of exposure which is not greater than exposures experienced by consumers;
6. Drugs in solid, final form for direct administration to a patient (i.e., tablets,pills);
7. Hazardous wastes, as defined under the Solid Waste Disposal Act and the Resource Conservation and Recovery Act.

C. Labeling program

1. <u>No</u> hazardous chemicals or chemical products will be used or accepted for use by OP-TECH, unless labeled with at least the following information:
   - i. Identity of the hazardous chemical(s);
   - ii. Appropriate hazard warnings;
   - iii. Name and address (and phone number, if available) of the chemical manufacturer, importer, distributor, supplier, or responsible party.

All OP-TECH employees are responsible for compliance with these requirements.

2. The identity of the chemical that appears on the manufacturer's label will be the same name to identify the chemical on the List of Hazardous Chemicals, and the MSDS for that substance.
3. All labels will be legible, in English, and prominently displayed on the container.
4. In the situation of a stationary container, the label may be replaced by a sign, placard, process sheet, batch ticket, or other means to convey the identity of the hazardous chemical and the appropriate hazard warnings. If these other forms of warning are used, they will be readily accessible to employees in their work area.
5. The Standard does not require a label to be placed on portable containers into which hazardous chemicals are transferred from labeled containers, and which are intended only for the immediate use of the employee who performs the transfer. However, by labeling the portable container appropriately, accidental misuse of the chemical by other employees may be prevented.
6. No label is to be defaced or removed unless the container is immediately marked with the required information. Any container without an appropriate label should be reported immediately to the job-site Supervisor.
7. Exemptions from these labeling requirements are as follows:
   i. Pesticides subject to the Federal Insecticide, Fungicide and Rodenticide Act;
   ii. Food, food additives, color additives, drugs, cosmetics, or medical or veterinary devices, as governed by the Food and Drug Administration;
   iii. Alcoholic beverages, wine or malted beverages intended for non-industrial use;
   iv. Any consumer product or hazardous substance as defined by the Consumer Product Safety Commission.

D. Comprehensive List of Hazardous Chemicals

Every chemical or product mixture of chemicals in any of the OP-TECH jobsites which is included in any of the four following lists of hazardous chemicals is listed in the List of Hazardous Chemicals for each jobsite. This List will be kept and maintained by the job-site Supervisor in a central location at each jobsite, such as the field office trailer. The four defining lists of hazardous chemicals are as follows:

1. Those compounds with designated OSHA Permissible Exposure Limits, as listed in 29 CFR 1910, Subpart Z ("Toxic and Hazardous Substances");
2. Those compounds listed in "Threshold Limit Values for Chemical Substances in the Work Environment" as published in the latest edition by the American Conference of Governmental Industrial Hygienists;
3. The latest edition of the "Annual Report on Carcinogens", published by the National Toxicology Program;

4. The Monographs published by the International Agency for Research on Cancer. If a product contains a mixture of chemicals, it is considered to be hazardous if it contains 1% or more of any of the chemicals contained in any of the four lists referenced above. In the case of carcinogens, a mixture is considered to be hazardous if it contains 0.1% or more of any of the carcinogens within the lists referenced above. The identity of each chemical, as noted in the List of Hazardous Chemicals, will be the same as the identity that appears on the container label and on the MSDS. A copy of the List of Hazardous Chemicals will be located at each Field Office along with a corresponding MSDS file for each compound on the list. Updating of the Comprehensive List of Hazardous Chemicals will be done regularly, upon acquisition of new materials and/or elimination of "old" materials. Each job-site Supervisor or his designee within OPTECH will be responsible for updating each jobsite's list and MSDS file.

E. Material Safety Data Sheets

Copies of Material Safety Data Sheets for all hazardous chemicals to which employees may be exposed can be found in **Section XII** of this PWP and will be readily accessible to employees in the work area during each work shift. The job-site Supervisor or his designate is responsible for maintaining and updating the file of Material Safety Data Sheets. Each Material Safety Data Sheet shall be in English and shall contain the following information:

1. The identity used on the label.
2. Physical and chemical characteristics of the hazardous chemical.
3. Physical and health hazards of the hazardous chemical.
4. The primary routes of entry.
5. The OSHA permissible exposure limit, ACGIH threshold limit value, and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the material safety data sheet, where available.
6. Whether the chemical is found to be a potential carcinogen.
7. Precautions for safe handling.
8. Control measures, such engineering controls, work practice, or appropriate personal protective equipment.
9. Emergency and first aid procedures.
10. Date of the preparation of the material safety data sheet or the last change to it;
11. The name, address, and telephone number of the responsible party for preparation or distribution of the material safety data sheet.

F. Employee Information and Training

Employees working with or potentially exposed to hazardous chemicals appropriately informed and trained concerning the potential hazards of the materials to which they may be exposed at the time of their initial work assignment. Training will be appropriately supplemented whenever a new hazard is introduced into the work area.

Employee information includes:

1. The requirements of the Hazard Communication Standard;
2. Any job-related activities involving hazardous chemicals;
3. The locations and availability of the Written Hazard Communication Program, the List(s) of Hazardous Chemicals, and the Material Safety Data Sheet File.

Employee training includes:

1. Methods and observations that may be used to detect the presence or release of a hazardous chemical in the work area. Such procedures include monitoring, visual appearance and/or odor recognition, symptoms, etc.;
2. The physical and health hazards of the chemicals in the work area.
3. Measures employees can take to protect themselves from such hazards. This includes specific procedures instituted by OP-TECH to protect employees from exposure to hazardous chemicals such as appropriate work practices, emergency procedures, and personal protective equipment suitable for use.
4. The details of the Hazard Communication Program developed by OP-TECH, including an explanation of the labeling system and the Material Safety Data Sheets, and how employees can obtain and use the appropriate hazard information. The Operations Manager is responsible for overseeing the employee information and training program. All training is documented and is filed in the Syracuse office.

G. Provisions for Non-routine Tasks and Sub-Contractors

Before any non-routine task is performed that could involve exposure to hazardous chemicals, the supervisor for the area involved will evaluate the task for appropriate work practice procedures, potential chemical hazards of the task, safety and protective measures are reviewed and understood by the employee. Prior to beginning work on OP TECH jobsite, sub-contractors will comply with the Written Hazard Communication Program and have access to OP-TECH's MSDS's. The particular hazards associated with the work area(s) will be identified, along with all appropriate MSDSs for the materials to be used and/or encountered. Sub-Contractors are responsible for training their own employees. The job-site Supervisor or Foreman is responsible for verifying that training has been performed by the sub-contractors.

H. Multi-Employer Workplaces

OP-TECH Environmental Services, Inc. employees may use or store hazardous chemicals at a workplace in such a way that the employees of another employer or employers may be exposed. If this occurs, then the following steps must be taken.

1. Prior to the beginning of work on a multi-employer site, the SS/SSO will notify all of the other contractors and sub-contractors where the MSDS for all the hazardous chemicals brought on-site by OP-TECH are available.

2. The SS/SSO will inform the other employers of precautionary measures which need to be taken to protect employees from hazardous chemicals used by OP-TECH employees during normal operating conditions and in foreseeable emergencies. This communication will also include a brief description of the container labeling system used by OP-TECH.

4. OP-TECH Environmental Services, Inc. will request similar information from all the other contractors working on this site.

5. OP-TECH employees will receive training in the hazards of new chemicals that they will use, and the chemicals to be used by other contractors at a tool box safety meeting to be held prior to the beginning of work.

VIII. Asbestos Abatement Plan

A. ACM Locations

This asbestos project requires the removal of the following asbestos containing materials as identified within Tables 1 and 2 of the Arcadis U.S., Inc. Comprehensive Asbestos Demolition Survey report dated March 31, 2010 and can be found in Appendix A at the end of this PWP.

Main Plant Interior

- Thermal System Insulation-Piping
- HVAC Duct Insulation
- Dryer Door Gaskets
- Door Caulking
- Transite Safety Switches

Main Plant Exterior

- Caulking-Windows, Brick, Substation Doors, AHU's, Blower Units
- Sealants-Expansion Joints, Siding, Overhead Doors, Glycol Lines
- Tar Mastic-Piping
- Tar Paper-Piping
- Cloth Gasket
- Transite Pipe-Exhaust Vent
- Built-Up Roofing, Flashing, Tar

General Plant Interior

- Joint Compound on GWB
- Drop Ceiling Panels
- Vinyl Sheet Flooring & Mastic
- Vinyl Floor Tile & Mastic
- Thermal System Insulation-Piping
- Glazing Compound-Windows
- Sealant Compound

General Plant Exterior

- Glazing Compound-Windows
- Sealant Compound-Windows
- Built-Up Roofing, Flashing, Tar

Miscellaneous Buildings

- Scale House: Window/Door Caulk
- Cooling Water Bldg.: Tar
- Water Tower: Boiler Gaskets

B. Asbestos Work Area Preparation / Abatement

1. Interior Friable ACM

Interior friable ACM identified at this site includes joint compound, thermal system insulation (TSI) on piping and fittings, HVAC duct and/or breeching, and drop ceiling panels.

Each interior friable asbestos abatement location will have barrier tape and appropriate asbestos danger signs positioned at a minimum twenty five foot distance from the work area, or as the building layout allows. An appropriate size personal decontamination station will be constructed per ICR 56, attached contiguously to the work area as required for each minor, small, and/or large asbestos project, and will have a hard wall exterior with lockable entry door. Negative air pressure will be established utilizing High Efficiency Particulate Air filtered air scrubbers and exhaust to an exterior ambient air location. High visibility safety fence will be positioned a minimum of ten feet in each direction where the exhaust duct terminates and appropriate asbestos danger signs attached.

Preparation of friable abatement work areas require sealing of critical barriers to allow a negative air environment to be established. Critical barriers consist of openings to or within the regulated abatement work area, including but not limited to operable windows and skylights, doorways, ducts, grills, diffusers, light fixtures, outlets, non-moveable objects, and any other penetrations to surfaces adjacent to or within the regulated abatement work area. Critical barriers are prepared with two layers of 6-mil fire retardant polyethylene sheeting secured over each item. Two additional layers of 6-mil fire retardant polyethylene sheeting will be secured on all non-washable surfaces that will not be abated to make up the final arrangement for friable work area preparation.

Within full containment prepared areas, gross removal of friable ACM can begin following the appropriate 12-hour waiting period. Friable ACM material will occur first in any work area and will generally be removed from elevated locations downward. ACM will be kept wet at all times including initial removal, daily collection into waste containers, and final removal from the work area. Each day, asbestos debris, PPE, drop cloths, etc. will be containerized within 6-mil polyethylene bags (2), fiber drums, or wrapped accordingly in two layers of 6-mil fire retardant polyethylene sheeting before being appropriately labeled as friable ACM. This ACM waste will be transferred into a lockable container and/or vehicles in preparation for transport to an approved disposal facility.

Upon completion of friable ACM removal, the work area will be wet wiped and HEPA vacuumed as first clean. If non-friable ACM removal is to follow, the work area will be receive a single cleaning by HEPA vacuuming and wet wipe of all work area surfaces. An inspection will follow and be documented by the asbestos supervisor in the daily asbestos log.

Second and third cleaning of friable work areas will be conducted following appropriate waiting periods leaving critical barriers only prior to a visual inspection by the abatement supervisor and the Owner's project monitor. This inspection will verify that all friable materials have been removed and the work area is free of visible standing water prior to conducting final air clearance sampling. This inspection will also be documented in the asbestos supervisor's daily log for each event by both the OP-TECH asbestos supervisor and the Owner's project monitor.

Following receipt of acceptable clearance air sample results from the Owner's project monitor, critical barriers will be removed and a final visual inspection made by the OP-TECH asbestos project supervisor to assure no residual ACM remains. This final inspection will be documented in the asbestos supervisor's daily log and will identify the work area condition as acceptable or unacceptable and corrective actions taken if required.

For TSI-pipe/fitting abatement locations where executed within a containment area, glove-bag procedures will be followed per ICR 56. Where TSI-pipe/fitting abatement is to occur outside of designated containment areas, a single layer polyethylene tent will be constructed.

2. **Interior Non-Friable ACM**

Interior non-friable ACM consists of vinyl floor tile/sheet flooring & mastic, caulking, sealants, gaskets, transite sheeting and/or electrical switches.

Each interior non-friable asbestos abatement location will have barrier tape and appropriate asbestos danger signs positioned at a minimum twenty five foot distance from the work area, or as the building layout allows. An appropriate size personal decontamination station will be constructed per ICR 56, attached contiguously to the work area as required for each minor, small, and/or large asbestos project, and will have a hard wall exterior with lockable entry door. Where space limitations or building and/or fire restrictions do not allow, a remote personal decontamination station may be constructed for limited "Special Projects" as identified in ICR 56-7.5(d). Negative air pressure will be established utilizing High Efficiency Particulate Air filtered air scrubbers and exhaust to an exterior ambient air location. High visibility safety fence will be positioned a minimum of ten feet in each direction where the exhaust duct terminates and appropriate asbestos danger signs attached.

Preparation of non-friable abatement work areas require sealing of critical barriers to allow a negative air environment to be established. Critical barriers consist of openings to or within the regulated abatement work area, including but not limited to operable windows and skylights, doorways, ducts, grills, diffusers, light fixtures, outlets, non-moveable objects, and any other penetrations to surfaces adjacent to or within the regulated abatement work area. Critical barriers are prepared with two layers of 6-mil fire retardant polyethylene sheeting secured over each item.

Interior non-friable ACM interior abatement can begin following the appropriate 4-hour waiting period. Removal will proceed from elevated locations downward and will be kept wet at all times including initial removal, daily collection into waste containers, and final removal from the work area.

Each day, asbestos debris, PPE, drop cloths, etc. will be containerized within 6-mil polyethylene bags (2), fiber drums, or wrapped accordingly in two layers of 6-mil fire retardant polyethylene sheeting before being appropriately labeled as non-friable ACM. This ACM waste will be transferred into a lockable container and/or vehicles in preparation for transport to an approved disposal facility.

Upon completion of non-friable ACM removal, the work area will be wet wiped and HEPA vacuumed as the first and final clean. A visual inspection will be conducted after the appropriate waiting period to confirm no ACM remains and there is no standing water prior to conducting final air clearance sampling.. This inspection will be documented by the asbestos supervisor and the Owner's project monitor in the daily asbestos log.

Following receipt of acceptable clearance air sample results from the Owner's project monitor, critical barriers will be removed and a final visual inspection made by the OP-TECH asbestos project supervisor to assure no residual ACM remains. This final inspection will be documented in the asbestos supervisor's daily log and will identify the work area condition as acceptable or unacceptable and corrective actions taken if required.

3. **Exterior Non-Friable ACM**

Exterior non-friable ACM identified consists of caulking, sealants, built-up roofing, tar flashing, and tar paper. For locations designated for manual abatement, the following work area preparation and abatement procedures will be followed per ICR 56.

Demolition with Asbestos in Place

Abatement of built-up roofing materials, associated tars/flashing, sealants and caulking on siding components, and any other non-friable ACM that can be strategically removed as part of building demolition, will be addressed in a site specific variance submitted to the NYSDOL requesting approval to complete following ICR 56-11.5, "Controlled Demolition with Asbestos in Place". Due to an estimated quantity over 280,000 square feet of roofing and siding containing subject asbestos materials, it would prove to be a monumental effort to manually complete abatement prior to demolition. The variance will request to complete the demolition activities for the identified areas and strategically segregate the asbestos impacted materials from non-impacted debris where feasible. Additional relief will be requested from constructing tent enclosures on elevated pipe fitting removal (glove-bag only, open-air abatement arc shields, and for gasket abatement in glove-bag only. A copy of the variance proposal will be included as an attachment to this (PWP).

Manual Abatement-General

Each exterior non-friable asbestos abatement location will have barrier tape and appropriate asbestos danger signs positioned at a minimum twenty five foot distance from the working face of the abatement area. An appropriate size personal decontamination station will be provided per ICR 56 and will be positioned within 50-ft. of the work area. Negative air pressure containment is not required.

Two layers of 6-mil fire retardant polyethylene sheeting will be placed on the interior of operable window openings and adjacent critical barriers within 25-ft.
Preparation of critical barriers for non-friable abatement work areas is required to prevent transmittance of ACM to interior locations. Critical barriers consist of openings to or within the regulated abatement work area, including but not limited to operable windows and skylights, doorways, ducts, grills, diffusers, light fixtures, outlets, non-moveable objects, and any other penetrations to surfaces within the regulated abatement work area and 25-ft. of the edge of the work area. Critical barriers are prepared with two layers of 6-mil fire retardant polyethylene sheeting secured over each item. Non-operable windows do not require polyethylene sheeting, but will be sealed with caulking or tape.

Under areas where non-friable ACM is removed, a 6-mil fire retardant polyethylene drop cloth will be positioned to collect and prevent spread of any ACM remnants.
This drop cloth will be a minimum of 10-ft. wide and extend an additional 10-ft. for each floor above the first floor to a maximum of 30-ft in width. Should a man-lift or other similar platform be utilized to access the abatement surface, the lift will also be plasticized with two layers of 6-mil fire retardant polyethylene sheeting.

Exterior non-friable ACM abatement can begin immediately and does not require a waiting period. Removal will proceed from elevated locations downward and will be kept wet at all times including initial removal, daily collection into waste containers, and final removal from the work area.

Each day or as needed, asbestos debris, PPE, drop cloths, etc. will be containerized within 6-mil polyethylene bags (2), fiber drums, or wrapped accordingly in two layers of 6-mil fire retardant polyethylene sheeting before being appropriately labeled as non-friable ACM. This ACM waste will be transferred into a lockable container and/or vehicles in preparation for transport to an approved disposal facility.

Upon final completion of exterior non-friable ACM removal, the work area will be wet wiped and HEPA vacuumed as the first and final clean. A visual inspection will be conducted by the abatement supervisor for minor size projects and by the abatement supervisor and Owner's project monitor for small and large asbestos projects to confirm no ACM remains. This inspection will be documented by the asbestos supervisor and the Owner's project monitor in the daily asbestos log.

Following an acceptable visual inspection of the work area from the Owner's project monitor, critical barriers will be removed and a final visual inspection made by the OP-TECH asbestos project supervisor to assure no residual ACM remains. This final inspection will also be documented in the asbestos supervisor's daily log and will identify the work area condition as acceptable or unacceptable and corrective actions taken if required.

Should abatement activities be required to occur within a TASCA regulated area controlled by the Client, OP-TECH will follow all provisions of decontamination that will be required of that entry/exit site as determined by the Client.

C. Personal Protective Equipment (PPE)

Personal protective equipment (PPE) to be utilized for asbestos abatement activities will include the following.

- leather work gloves
- safety glasses
- hard hat
- half-face or full face respirator with P-100 HEPA filter
- disposable coveralls
- steel toe work boots

Respirator selection for Class I asbestos abatement activities will be based on current Negative Exposure Assessments for each type of ACM. If a current NEA is not available, workers will don a Powered Air Purifying Respirator (PAPR) for use until sufficient data is collected from daily OSHA personal air sampling analysis to warrant a downgrade. The OP-TECH HSD will review the data and if warranted, issue a directive to this PWP to allow a downgrade of respiratory protection to a full-face and/or a half-face respirator according data results in relationship to the PEL.

D. Air Monitoring

OSHA required personal air monitoring will be conducted by OP-TECH personnel for asbestos exposure limit surveillance during this project and submitted to a NYS ELAP approved laboratory for analysis. Results will be submitted in the final asbestos summary report provided at the conclusion of the abatement project.

MLC will employ the services of a third party air monitoring firm to conduct background, environmental, clearance air sampling as well as visual inspections required by ICR 56.

E. Transportation & Disposal of ACM

Transportation of ACM waste will be provided by Casella Waste Services, Potsdam, N.Y. for delivery to the Ontario County Landfill in Stanley, N.Y.

IX. PCB Caulk Abatement Plan

A. Caulking Locations-Exterior

This project will require removal of the following exterior Polychlorinated Biphenyls (PCB) as identified within Table 3 of the Arcadis U.S., Inc. Comprehensive Asbestos Demolition Survey report dated March 31, 2010 and can be found in Appendix A at the end of this (PWP).

Main Plant

- Caulk associated with windows, doors, expansion joints, duct flanges, corrugated siding, foundation walls, brick, and asphalt.

General Plant

- Caulk associated with doors and windows.

Miscellaneous Buildings

Butler Bldg.	Expansion Caulk
Casting Ash # 1	Panel Seam Caulk
WWTP	White Door Caulk
WWTP	Caulk on Pebble Stone Façade & Siding

B. Work Area Preparation / Abatement

Abatement of PCB caulk from exterior locations will be performed utilizing the following procedures:

- Provide a remote personal decontamination unit in which abatement personnel may maintain personal hygiene following completion of abatement activities and/or prior to leaving the work area.
- Set up barrier tape and PCB danger signs at a radius of 25-ft. from the work area to identify entrance by authorized personnel only.
- Securely fasten two layers of 6-mil polyethylene sheeting beneath the removal location and extend a minimum of 5-ft. in each direction from the face of work.
- Perform abatement of caulk using wet methods.
- Request visual inspection of abatement completion by Owner's project monitor.
- Containerize waste materials in appropriately labeled drums and stage in lockable storage until transport for offsite disposal.

C. Personal Protective Equipment (PPE)

Personal protective equipment (PPE) to be utilized for PCB caulk abatement activities will include the following.

- nitrile work gloves
- safety glasses
- hard hat
- half-face or full face respirator with P-100 HEPA filters, if warranted
- disposable coveralls
- steel toe work boots

D. Air Monitoring

OSHA required personal air monitoring will be conducted by OP-TECH personnel for PCB exposure limit surveillance during this project and submitted to a NYS ELAP approved laboratory for analysis. Results will be utilized for verification of adequate engineering controls utilized during PCB material abatement procedures and allowance to downgrade respiratory protection levels when applicable.

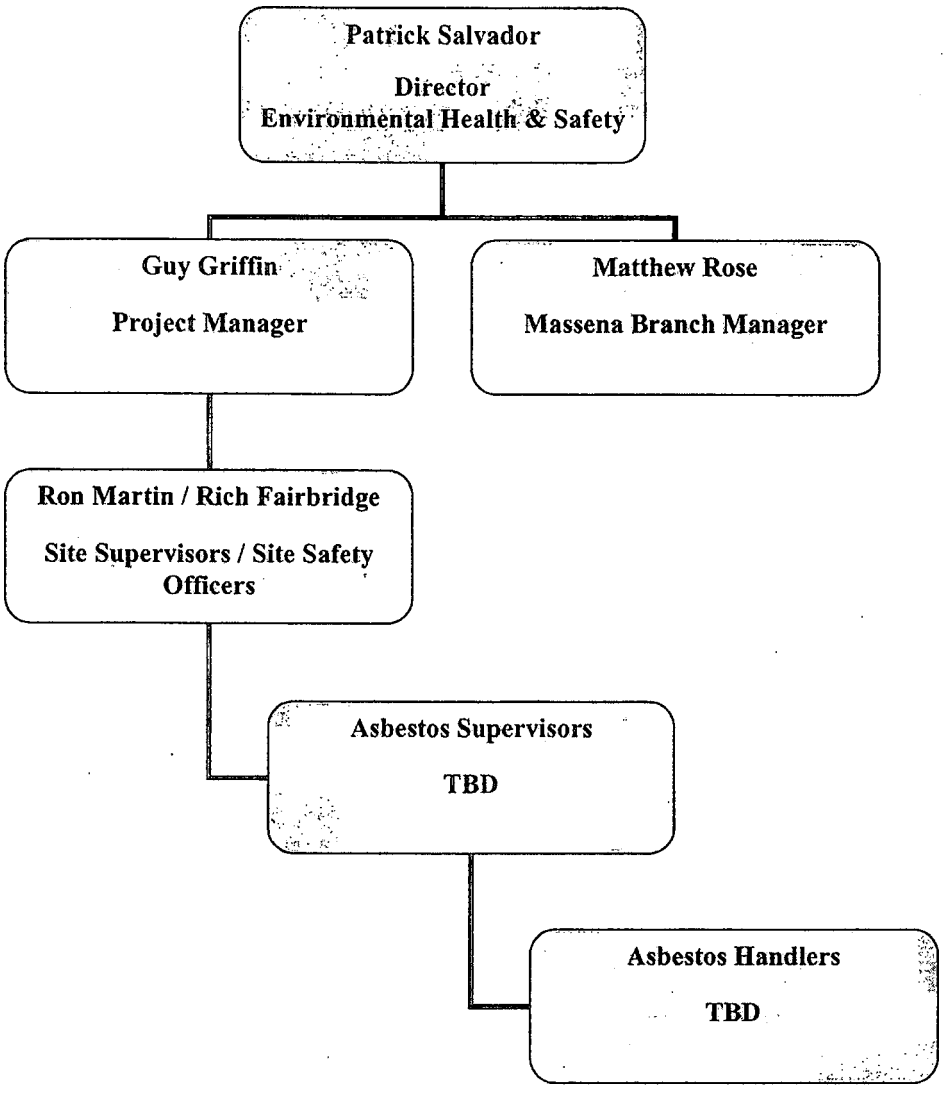
E. Transportation & Disposal of ACM

Per the Table 3 of the Arcadis U.S., Inc. Comprehensive Asbestos Demolition Survey report dated March 31, 2010, there are both non-hazardous (<50 ppm) and hazardous (>50 ppm) concentrations of PCB's found in the caulking and sealants utilized throughout the plant. Each hazard class will be managed separately for disposal identification per Table 3.

Hazardous and non-hazardous waste will be packaged in NYSDOT approved steel open-topped 55-gallon drums. Hazardous waste containers will receive a "Hazardous Waste" label identifying the pertinent information about the waste, generator, and start date, a "PCB" label, and a number "9" label designating the hazard classification.

A green "Non-Hazardous" waste label will be affixed to all PCB waste that is less than fifty parts per million and identify the pertinent information about the waste, generator, start date, etc.

X. OP-TECH Organizational Chart-Massena Branch Office



XI. Employee Certifications

Current qualifications, certifications, and licenses for all asbestos abatement personnel shall be provided to the MLC and the Engineer for review and acceptance prior to commencement of the asbestos abatement activities, including pre-abatement activities.

V00002993870 M000133037
HURLBUT,JOHN E
536 COUNTY RT 36
CHASE MILLS, NY 13621
11/02/64 45 M
Witty-Lewis,Cos
COPHY 10/14/10 COPHY

OP-TECH

PHYSICIAN'S STATEMENT

THIS REPORT IS THE EXAMINING PHYSICIAN'S MEDICAL EVALUATION BASED UPON AVAILABLE DATA.

TO: OP-TECH ENVIRONMENTAL SERVICES, INC. / Manager/Supervisor

SUBJECT: Medical Surveillance for **John J. Hurlbut** (Employee Name (Print)) **7418** (Social Security No. (Last 4 Numbers))

Exam Type: [ ] General [X] Asbestos [ ] HAZMAT [ ] HAZ/Asb [ ] DOT
Frequency: [ ] Baseline/Initial [X] Periodic (Annual) [ ] Exit [X] Other: HAZ lab work

1. I examined this employee on **October 21,2010**. I have reviewed the data available in the employee's medical record and find that this individual is:

   [X] Medically qualified to perform the stated work assignment.

   [ ] Medically qualified to perform the stated work assignment with recommended restrictions or qualifications as described in Section 3 below.

   [ ] Not medically qualified to perform the stated work assignment.

   [ ] Further tests or evaluations need to be performed before determination can be made as to whether this individual is medically qualified to perform the stated work assignment.

2. I find that this employee is:

   [X] Medically qualified to use respiratory protective devices for the stated work assignment.

   [ ] Not medically qualified to use respiratory protective devices for the stated work assignment.

   [ ] Qualified to use respiratory protective devices with recommended restrictions or qualifications as described in Section 3 below.

3. Based upon this examination, I recommend the following:

   [X] No work restrictions.

   [ ] Due to medical reasons, this employee should observe the following work restrictions: _____

4. Additional comments and/or recommendations: _____

5. Please arrange retesting for: _____

I HAVE INFORMED THIS EMPLOYEE OF THE RESULTS OF THIS EXAMINATION AND MY RECOMMENDATIONS.

DATE: 10/14/10 PHYSICIAN'S NAME (print): C. Witty Lewis MPH SIGNATURE: [signature]

REPORT PREPARED BY: Massena Hospital | Hospital Dr. Massena, NY 13662
(Name and Address of Medical Facility)

Clinic: 1. PLEASE **FAX/ E-MAIL** THIS FORM WITH EXAM RESULTS TO: IMA @ (FAX) 315-234-4537
ATTENTION: Cathy Winfield, RN OR email cwinfield@industrialmedical.com
2. PLEASE GIVE THIS STATEMENT TO EMPLOYEE THE **DAY OF THE EXAM** TO FORWARD TO HIS/HER MANAGER/ SUPERVISOR AS NOTIFICATION OF FITNESS FOR DUTY.

OP-TECH®

Response • Service • Experience

This is to certify that

John Hurlbut

Has successfully completed

POWERED INDUSTRIAL TRUCKS

Developed Pursuant To OSHA 29 CFR 1910.178

This Training Was Conducted By OP-TECH ENVIRONMENTAL SERVICES, INC.

Date of Training: 12/7/10

Authorized By: Patrick Salvador

Patrick D. Salvador, P.E.
Director - Environment, Health & Safety

OP-TECH®
Environmental Services, Inc.

Powered Industrial Vehicle Operator's License

Issued To: John Hulbert

Signature: [illegible]

Issue Date: 12/07/10 Expires: 12/7/13

Approved By (Trainer): Ray Martin

Approved By (EHS): Pat Schroder

International Brotherhood of Teamsters

OSHA [illegible] 1910.120

General President

General Secretary - Treasurer

International Brotherhood of Teamsters

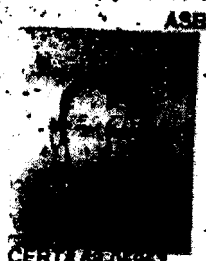
Certification	Date
Haz. Waste Worker (8-Hr)	03/27/18

John E. Hurlbut

IBT ID: 5574

EPA 9640

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



JOHN ETHURLBUT
CLASS(EXPIRES)
G SUPR(11/11)

CERT# [illegible]
DMV# 166188244
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BLU
HAIR BRO
HGT 6' 02

URN TO:
OL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

New York State Department of Health Certificate of Asbestos Safety Training

This form is the official record of successful completion of a New York State accredited asbestos safety training course.

Certificate No. 587854

I – To be completed by Trainee

Name of Trainee (print)	NYS Depart. of Motor Vehicles ID (DMV ID)[1]	
John Hualbert	165 158 2111	
Signature of Trainee	Telephone Number	Date of Birth[1]
[signature]	315 250 9698	11-2-64

Address: PO Box 3 (Street or PO Box) Chase Mills (City) NY (State) 13621 (Zip Code)

II – To be completed by Training Sponsor

Provider's Name	Telephone Number
ECMC	(315)681-9435
Address: 115 Genesee St	Course Location: Chittenango
Zip Code: Chittenango, NY 13037	

Course Title: Contractor/Supervisor ☐ Initial ☑ Refresher ☐ *NYS DOH use only* DOH Equivalency[2]

Training Language: ☑ English ☐ Other: _____ Exam Grade/Date: 100 9/17/10

Dates of Training: From: 9/17/10 To: 9/17/10 Expires: 9/17/11

I certify that the asbestos safety training course given on the above date complied with both 10 NYCRR Part 73 and TSCA Title II, was consistent with the curriculum and instructors approved by the New York State Department of Health, and the trainee receiving this certificate completed the training course and successfully passed the examination.

Training Director: Charles Birch (Print) [signature] (Signature)

DOH-2832 (10/03) [1]Optional Information [2]DOH Equivalency signed by NYS DOH representative only STUDENT

OP-TECH®

Response • Service • Experience

This is to certify that

John Hurlbut

Has successfully completed

LEAD AWARENESS REFRESHER

Developed Pursuant To OSHA 29 CFR 1926.62

This Training Was Conducted By OP-TECH ENVIRONMENTAL SERVICES, INC.

Date of Training: 10/5/10

Authorized By: Patrick Salvador

Patrick D. Salvador, P.E.
Director – Environment, Health & Safety

OSHA 001934245

U.S. Department of Labor
Occupational Safety and Health Administration

John Hurlbut

has successfully completed a 10-hour Occupational Safety and Health Training Course in

Construction Safety & Health

Barry R. Smith — 6/25/2008

(Trainer) — (Date)

CNY ENVIRONMENTAL INSTITUTE, INC.
706 North Salina Street | Suite 301 | Syracuse, NY 13203
Phone: (315) 703-0153 | Fax: (315) 703-9537 | TF: (866) 361-4777

www.cnyenv.org

Certificate of Attendance and Successful Completion

EPA Renovator Initial (RRP) - English

Per 40 CFR Part 745.225

John E. Hurlbut

P.O. Box 31 | Chase Mills NY 13621

Certificate Number: R-I-9544-10-50275

Course Date: 06/01/2010
Examination Date: 06/01/2010
Expiration Date: 06/01/2015

06/01/2010

Training Manager / Principle Instructor — Date

OP-TECH
Environmental Services, Inc.

RESPIRATOR CERTIFICATION RECORD

Section I – General

Name: PERRY, MARK
Last, First, Middle

S.S. #: XXX-XX-8281

Date: 2/12/2010

Company: OP-TECH Environmental Services, Inc.

Section II – Respirator Training

I certify that I have been trained in a manner consistent with the requirements of the Respiratory Protection program regarding the use of the respirator I have been issued. I further certify, that I have also been made aware of its limitations, conditions of use and the established techniques of its' proper care and maintenance.

Employee Signature: _____ Date: 2/12/2010

Section III – Qualitative Fit Test

I certify that I have been successfully fit tested against a suitable challenge atmosphere while using a:

Mfr. / Model: 3M 6800, Size: LARGE Style: HALF FACE

Employee Signature: _____ Date: 2/12/2010

Fit Test Administrator: _____ Date: 2/12/2010

OSHA 002067256

U.S. Department of Labor
Occupational Safety and Health Administration

Mark K. Perry

has successfully completed a 10-Hour Occupational Safety and Health Training Course in

Construction Safety & Health

Barry R. Smith — 12/17/2008

(Trainer) — (Date)

OSHA recommends Outreach Training courses as an orientation to occupational safety and health for workers. Participation is voluntary. Workers must receive additional training on specific hazards of their job. This course completion card does not expire.

For further information go to "Training" at www.osha.gov

New York State Department of Health Certificate of Asbestos Safety Training

This form is the official record of successful completion of a New York State accredited asbestos safety training course.

Certificate No. 580894

I – To be completed by Trainee

Name of Trainee (print)	NYS Depart. of Motor Vehicles ID (DMV ID)[1]	
Mark k. Perry	997 331 080	
Signature of Trainee	Telephone Number	Date of Birth[1]
	315-705-4626	5-1-63

Address: 7 Somerset Ave (Street or PO Box) Massena (City) N.Y. (State) 13662 (Zip Code)

II – To be completed by Training Sponsor

Provider's Name	Telephone Number
Environmental Compliance	(315) 687-9435
Address 115 Genesee St Chittenango, NY 13037 Zip Code	Course Location: ~~315~~ Chittenango

Course Title: Contractor Supervisor ☐ Initial ☒ Refresher ☐ NYS DOH use only DOH Equivalency[2]

Training Language: ☑ English ☐ Other: _____ Exam Grade/Date: 96 5/14/10

Dates of Training: From: 5/14/10 To: 5/14/10 Expires: 5/14/11

I certify that the asbestos safety training course given on the above date complied with both 10 NYCRR Part 73 and TSCA Title II, was consistent with the curriculum and instructors approved by the New York State Department of Health, and the trainee receiving this certificate completed the training course and successfully passed the examination.

Training Director[2] Charles Birch (Print) (Signature)

DOH-2832 (10/03) [1]Optional Information [2]DOH Equivalency signed by NYS DOH representative only DEPT. OF LABOR

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

EYES BRO
HAIR BRO
HGT 5' 08"

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

MARK PERRY
CLASS(EXPIRES)
A:HAND(05/10) C:SUPR(05/11)

CERT# 55-05622
DMV# 997331080
MUST BE CARRIED ON ASBESTOS PROJECTS

OP-TECH

RESPIRATOR FIT TEST RECORD

EMPLOYEE NAME: HURLBUT, JOHN J. (XXX-XX-7418) BRANCH: MBO

DATE OF FIT TEST: 11-9-10 LOCATION OF FIT TEST: MBO

RESPIRATOR MAKE	3M	3m	
RESPIRATOR MODEL	7503	6900	
RESPIRATOR SIZE	☐ Small ☐ Medium ☒ Large	☐ Small ☐ Medium ☒ Large	☐ Small ☐ Medium ☐ Large
TYPE	☒ 1/2 FACE APR ☐ FULL FACE APR ☐ PAPR ☐ OTHER: _____	☐ 1/2 FACE APR ☒ FULL FACE APR ☐ PAPR ☐ OTHER: _____	☐ 1/2 FACE APR ☐ FULL FACE APR ☐ PAPR ☐ OTHER: _____
TEST METHOD	☐ QUANTITATIVE ☒ QUALITATIVE	☐ QUANTITATIVE ☒ QUALITATIVE	☐ QUANTITATIVE ☐ QUALITATIVE
RESULTS	☒ PASS ☐ FAIL	☒ PASS ☐ FAIL	☐ PASS ☐ FAIL
FIT TEST LIMITATIONS	☐ BEARD ☐ DENTURES ☒ GLASSES ☒ MUSTACHE ☐ NONE	☐ BEARD ☐ DENTURES ☒ GLASSES ☒ MUSTACHE ☐ NONE	☐ BEARD ☐ DENTURES ☐ GLASSES ☐ MUSTACHE ☐ NONE
TYPE OF IRRITANT USED	IRRITANT SMOKE		
POSITIVE AND NEGATIVE PRESSURE TESTS	☒ PASS ☐ FAIL	☒ PASS ☐ FAIL	☐ PASS ☐ FAIL
FIT TEST CONDUCTED BY			

EMPLOYEE SIGNATURE: [signature] Date: 11-9-10

FIT TESTER SIGNATURE: William Wood Date: 11-9-10

PLACE A COPY OF THE COMPLETED FORM IN THE BRANCH OFFICE EMPLOYEE SAFETY FILE AND SUBMIT ORIGINAL COPY TO THE CORPORATE DIRECTOR OF ENVIRONMENT, HEALTH & SAFETY.

V00002928389 M000160628
PERRY,MARK K
7 SOMERSET AVE
MASSENA, NY 13662
05/01/63 46 M
Witty-Lewis,Cos
COPHY 02/04/10 COPHY

OP-TEC Response • Service • Ex

CIAN'S STATEMENT

THIS REPORT IS THE EXAMINING PHYSICIAN'S MEDICAL EVALUATION BASED UPON AVAILABLE DATA.

TO: OP-TECH ENVIRONMENTAL SERVICES, INC. / Manager/Supervisor

SUBJECT: Medical Surveillance for Mark Perry (Employee Name (Print)) 8281 (Social Security No. (Last 4 Numbers))

Exam Type: [ ] General [ ] Asbestos [ ] HAZMAT [X] HAZ/Asb [X] DOT
Frequency: [ ] Baseline/Initial [ ] Periodic (Annual) [ ] Exit [X] Other: Re-Certification

1. I examined this employee on 2/4/10. I have reviewed the data available in the employee's medical record and find that this individual is:
   - [X] Medically qualified to perform the stated work assignment.
   - [ ] Medically qualified to perform the stated work assignment with recommended restrictions or qualifications as described in Section 3 below.
   - [ ] Not medically qualified to perform the stated work assignment.
   - [ ] Further tests or evaluations need to be performed before determination can be made as to whether this individual is medically qualified to perform the stated work assignment.

2. I find that this employee is:
   - [X] Medically qualified to use respiratory protective devices for the stated work assignment.
   - [ ] Not medically qualified to use respiratory protective devices for the stated work assignment.
   - [ ] Qualified to use respiratory protective devices with recommended restrictions or qualifications as described in Section 3 below.

3. Based upon this examination, I recommend the following:
   - [X] No work restrictions.
   - [ ] Due to medical reasons, this employee should observe the following work restrictions: _____

4. Additional comments and/or recommendations: _____

5. Please arrange retesting for: VOID 3/4/2010

I HAVE INFORMED THIS EMPLOYEE OF THE RESULTS OF THIS EXAMINATION AND MY RECOMMENDATIONS.

DATE: 2/4/10 PHYSICIAN'S NAME (print): COSETTE WITTY-LEWIS RPA-C DEA #ML0359287 UC #0048251 SIGNATURE: [signature]

REPORT PREPARED BY: Massena Memorial Hospital One Hospital Dr.
(Name and Address of Medical Facility)

Clinic: 1. PLEASE FAX/E-MAIL THIS FORM WITH EXAM RESULTS TO IMA @ (FAX) 315-234-4537 ATTENTION: Caby Winfield, RN OR c.winfield@industrialmedical.com
2. PLEASE GIVE THIS STATEMENT TO EMPLOYEE THE DAY OF THE EXAM TO FORWARD TO HIS/HER MANAGER/SUPERVISOR AS NOTIFICATION OF FITNESS FOR DUTY.

ENVIRONMENTAL COMPLIANCE MANAGEMENT CORPORATION

P.O. BOX 86 CHITTENANGO, NEW YORK 13037 PHONE: (315) 687-9435

Mark K. Perry

has attended and successfully completed a course for:

Asbestos Contractor/Supervisor Refresher

Length of Course: **08 Hours**

Student I.D. #: **140510-04**

Social Security #: **128608281**

Exam Grade: **96**

Exam Date: **05/14/2010**

Course Location: **Chittenango, New York**

Date of Course Completion: **05/14/2010**

Expiration Date: **05/14/2011**

Executive Director

The official record of successful completion is the DOH 2832 Certificate of Completion of Asbestos Safety Training.
The person receiving this certificate has completed the requisite training for asbestos accreditation under the Toxic Substance Control Act (TSCA) Title II

CERTIFICATE OF TRAINING

SUNBELT
RENTALS

This certifies that

Perry, Mark

Of

Op- Tech

has attended the following ANSI A92 Aerial Work Platform Safety Training

Aerial Work Platform Operator (Boom Only)

Date: **2/15/2008**

Authorized Signature

OP-TECH®

Response • Service • Experience

This is to certify that

Mark Perry

Has successfully completed

LEAD AWARENESS REFRESHER

Developed Pursuant To 29 CFR 1926.62

This Training Was Conducted By OP-TECH ENVIRONMENTAL SERVICES, INC.

Date of Training: 9/22/09

Authorized By: Patrick Salvador

Patrick D. Salvador, P.E.
Director – Environment, Health & Safety

OP-TECH®

Response • Service • Experience

This is to certify that

Mark Perry

Has successfully completed

RESPIRATORY PROTECTION

Developed Pursuant To OSHA 29 CFR 1910.134

This Training Was Conducted By OP-TECH ENVIRONMENTAL SERVICES, INC.

Date of Training: May 4, 2010

Authorized By: Patrick Salvador

Patrick D. Salvador, P.E.
Director – Environment, Health & Safety

OP-TECH®
Response • Service • Experience

This is to certify that

Mark Perry

Has successfully completed

HAZARD COMMUNICATION

Developed Pursuant to OSHA 29 CFR 1910.1200
This Training Was Conducted By OP-TECH ENVIRONMENTAL SERVICES, INC.

Date of Training: 4/14/10

Authorized By: Patrick Salvador
Patrick D. Salvador, P.E.
Director – Environment, Health & Safety

XII. MSDS

MSDS sheets for products identified for use on this project are following this section. Additional MSDS sheets will be added to this AWP as new materials are utilized on this project.

OP-TECH®
Response • Service • Experience

This is to certify that

Mark Perry

Has successfully completed

JOB SAFETY PLANNING

Developed Pursuant OP-TECH Safety Procedures
This Training Was Conducted By OP-TECH ENVIRONMENTAL SERVICES, INC.

Date of Training: 4/13/10

Authorized By: Patrick Salvador

Patrick D. Salvador, P.E.
Director – Environment, Health & Safety

OP-TECH®
Response • Service • Experience

This is to certify that

Mark Perry

Has successfully completed

EXCAVATION SAFETY

Developed Pursuant OSHA 29 CFR 1926 Subpart P

This Training Was Conducted By OP-TECH ENVIRONMENTAL SERVICES, INC.

Date of Training: 4/13/10

Authorized By: Patrick Salvador

Patrick D. Salvador, P.E.
Director – Environment, Health & Safety

Certificate of

TRAINING

Is hereby awarded to

Mark Perry

Successful completion a refresher training course in;

Confined Space Rescue

Lead Instructor Name

October 30, 2009

Date

SAFETY
COMPLIANCE SERVICES

135 Old Cove Rd., Ste 213, Liverpool, NY USA 13090 315-451-3130

NS CN CSX

e-RAILSAFE System Badge

CONTRACTOR

NUMBER	ISSUED	EXPIRES
896424601995	01-04-2010	01-04-2012

Mark K. Perry

PRIMARY EMPLOYER

OP-TECH Environmental Services
Massena
14 Old River Road
Massena, NY 13662
315-764-1917

ARCADIS

Infrastructure · Water · Environment · Buildings

Submittal Review Form

ARCADIS of New York, Inc.
6723 Towpath Road
P.O. Box 66
Syracuse
New York 13214-0066
Tel 315.446.9120
Fax 315.449.0017

Client:	Contractor:	Project:
MLC	Brandenburg	Massena, NY

ENVIRONMENT

Contact:
Margaret Carrillo-Sheridan, P.E.
Phone Number:
315.671.9167

Submittal Number:
MA0481-0003.2

Submittal Description:
ACM Work Plan Submittal

Review Code:

- [x] R Reviewed
- [ ] N Reviewed and Noted
- [ ] S Resubmit
- [ ] J Rejected
- [ ] I For Your Information

Margaret A. Carrillo-Sheridan, P.E.

March 2, 2011
Date

Brandenburg® Industrial Service Company
2217 Spillman Drive
Bethlehem, Pennsylvania 18015-1982
Phone (610) 691-1800
FAX (610) 691-4200

Brandenburg®

www.Brandenburg.com

SUBMITTAL COVER SHEET

PROJECT: *MLC Massena Power Train MAS-100-AP*

OWNER: *Motors Liquidation Corporation*

IQAT: *Margaret Carrillo-Sheridan (ARCADIS)*

Engineer: *ARCADIS*

Brandenburg Submittal No.: MA0481-0003 **Project Code: MA0481**
Revision No.: 0002

Asbestos Work Plan Designer Information Submittal

This document has been reviewed, coordinated and checked for accuracy of content and for compliance with the Contract Documents. The information contained herein has been coordinated with all applicable contractors, and is hereby submitted for approval.

Submitted by: *Jason GaNun* Date: February 21, 2011
Eric Ahlgren-Jason GaNun | Project Manager | Brandenburg

Review Status:
No Exceptions Taken _____ Approved as Noted _____ Revise & Resubmit _____ Rejected _____

Approved by:_____ Date: _____

Comments:

Response for Arcadis review of Asbestos Work Plan For You Information Note 1

ARCADIS

Infrastructure · Water · Environment · Buildings

Submittal Review Form

ARCADIS of New York, Inc.
6723 Towpath Road
P.O. Box 66
Syracuse
New York 13214-0066
Tel 315.446.9120
Fax 315.449.0017

Client:	Contractor:	Project:
MLC	Brandenburg	Massena, NY

ENVIRONMENT

Contact:
Margaret Carrillo-Sheridan, P.E.
Phone Number:
315.671.9167

Submittal Number:
MA0481-0003.1
rev 2

Submittal Description:
ACM Work Plan Submittal

Review Code:

- ☒ R Reviewed
- ☐ N Reviewed and Noted
- ☐ S Resubmit
- ☐ J Rejected
- ☐ I For Your Information

Margaret A. Carrillo-Sheridan, P.E.

March 2, 2011
Date

#25102

MAY 10 2001

MATERIAL SAFETY DATA SHEET

Quick Identifier (In Plant Common Name): BULL-TACK

MANUFACTURER INFORMATION

MANUFACTURER'S NAME: BULLSEYE ENVIRONMENTAL CORP.
ADDRESS: P. O. BOX 1626, TULLYTOWN, PA 19007
EMERGENCY TELEPHONE NUMBER: 800-424-9300
OTHER INFORMATION CALLS: 215-547-7700
NAME OF PERSON RESPONSIBLE FOR PREPARATION:
DATE PREPARED: MAY 2001

SECTION 1 - IDENTITY

COMMON NAME (used on label)(Trade Name & Synonyms): BULL-TACK ADHESIVE #25102
CAS. NUMBER: See Section 2
CHEMICAL NAME: Thermoplastic Rubber in Solution with Hexane and Acetone
CHEMICAL FAMILY: N/A
FORMULA: ORB M-5425

SECTION 2 - HAZARDOUS INGREDIENTS

Principal Hazardous Component(s)

CHEMICAL AND COMMON NAME(S)	CAS #	TLV	VAPOR PRESSURE @ 25 DEG. C	LEL	UEL	FLASH POINT DEG. F
Acetone	67-64-1	750ppm	185 mmHg	2.6	12.8	-4(TCC)
Hexane	110-54-3	50ppm	140 mmHg	1.2	7.5	< 0(TCC)
Propane/Isobutane (Propellant)	68-476-85-7	800ppm	3691 mmHg	2.0	10.0	-138(TCC)

N/A = Not Available and/or Not Applicable

NOTE: Refer to Section 8 for content breakdown and SARA Title III information.

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS
(Fire & Explosion Data)

BOILING POINT (Deg. F): Concentrate Range: 132 - 159
Propellant: -21.6
SPECIFIC GRAVITY (Water = 1): Concentrate: 0.70
Propellant: 0.54

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

IX TRANSPORTATION

DOT SHIPPING NAME: NON-REGULATED SHIP AS CLEANING COMPOUND
PLACARDING: NONE REQUIRED
HAZARD CLASS: NON HAZARDOUS
IDENTIFICATION NO: NON HAZARDOUS
PACKING GROUP: NOT REGULATED
RQ (REPORTABLE QUANTITY): N/A

X REGULATORY INFORMATION

SARA TITLE III: SECTION 3111/312 – HAZARD CATEGORIES

N – FIRE HAZARD
N – SUDDEN RELEASE OR PRESSURE HAZARD
N – REACTIVITY HAZARD
N – IMMEDIATE (ACUTE) HEALTH HAZARD
N – DELAYED (CHRONIC) HEALTH HAZARD

OZONE DEPLETING CHEMICALS: **NO REGULATED INGREDIENTS**

SARA TITLE 302 - EXTREMELY HAZARDOUS MATERIALS: **NO REGULATED INGREDIENTS**

SARA TITLE 313 – TOXIC CHEMICALS: **NO REGULATED INGREDIENTS**

CALIFORNIA PROPOSITION 65: **NO REGULATED INGREDIENTS**

SPECIFIC PRECAUTIONS AND OTHER COMMENTS:

The information contained herein is believed to be accurate but is not warranted to be so. Users are advised to confirm in advance of need, that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

VI HEALTH HAZARD DATA

ROUTES OF ENTRY - SIGNS AND SYMPTOMS:

INHALATION: NO NEGATIVE EFFECTS EXPECTED. REMOVE TO FRESH AIR; IF SYMPTON PERSISTS, SEEK MEDICAL ATTENTION.

SKIN: PROLONGED CONTACT MAY CAUSE SLIGHT IRRITATION. INCIDENTAL CONTACT IS NOT EXPECTED TO CAUSE IRRITATION. REMOVE CONTAMINATED CLOTHING; WASH AREA WITH SOAP AND WATER.

EYES: CONTACT WITH EYES WILL CAUSE IRRITATION. FLUSH WITH WATER FOR 15 MIN. IF IRRITATION PERSISTS, SEEK PHYSICIAN.

INGESTION: MAY CAUSE GASTRIC DISTRESS, VOMITING OR DIARRHEA. GIVE TWO GLASSES OF WATER TO DILUTE AND SEEK MEDICAL ATTENTION.

HEALTH HAZARDS (ACUTE AND CHRONIC): ACUTE EFFECTS OF EXPOSURE MAY BE SLIGHT NAUSEA, OR DISCOMFORT. NO CHRONIC EFFECTS ARE KNOWN AT THIS TIME.

CARCINOGENICITY: NTP: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: EXPOSURE TO THIS PRODUCT IS NOT EXPECTED TO CONTRIBUTE, WORSEN OR AGGRAVATE ANY PRE-EXISTING MEDICAL CONDITIONS.

VII PRECAUTIONS FOR DISPOSAL, SAFE HANDLING, AND USE

SPILLS: SMALL SPILLS: STOP DISCHARGE. CONTAIN MATERIAL WITHDIKE OR BARRIER.
LARGE SPILLS: STOP DISCHARGE. CONTAIN MATERIAL WITH DIKE OR BARRIER. RECAPTURE PRODUCT ANY PLACE IN CHEMICAL WASTE CONTAINERS, ABSORB REMAINDER WITH ABSORBENT CLAY OR SAWDUST.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP CONTAINER CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM ABUSE AND EXTREME TEMPERATURES.

OTHER PRECAUTIONS: KEEP THIS AND OTHER CHEMICALS OUT OF REACH OF CHILDREN. AVOID BODY CONTACT WITH THIS PRODUCT AND ALL CHEMICALS.

VIII CONTROL MEASURES

RESPIRATORY PROTECTION: NIOSE APPROVED RESPIRATOR PROTECTION IS RECOMMENDED WHEN MISTS OR DUSTS ARE GENERATED.

VENTILATION: LOCAL EXHAUST IS RECOMMENDED. HOWEVER WHEN VAPORS, MISTS OR DUSTS CAN BE GENERATED IN ENCLOSED AREAS MECHANICAL MAY BE NECESSARY.

PROTECTIVE GLOVES: NEOPRENE OR RUBBER

EYE PROTECTION: GOGGLES WITH SIDE SHIELDS

OTHER PROTECTIVE EQUIPMENT: SAFETY EYEBATH NEARBY

WORK/HYGIENIC PRACTICES: EXHIBIT NORMAL SAFE WORKPLACE HABITS.

I CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

DATE: 3/15/06
TRADE NAME; CHEMSAFE 500 (CLEAR OR WHITE)
GENERAL OR GENERIC ID: LOCKDOWN ENCAPSULANT
MANUFACTURED FOR: ARAMSCO
1480 GRANDVIEW AVENUE
THOROFARE, NJ 08086
(800) 767-6933

24 HOURS TRANSPORTATION EMERGENCY NUMBER: CHEM-TREC (800) 424-9300

HMIS RATING: HEALTH (1) FIRE (0) REACTIVITY (0)
*4 = EXTREME, 3 = HIGH, 2 = MODERATE, 1 = SLIGHT, 0 = INSIGNIFICANT * = CHRONIC HAZARD*

II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS CHEMICAL IDENTITY; COMMON NAMES	CAS#	ACGIH TWA/STEL	OSHA PEL TWA/STEL	% OPTIONAL
	THERE ARE NO HAZARDOUS INGREDIENTS AT REPORTABLE LEVELS WITHIN THIS PRODUCT. REPORTABLE LEVELS ESTABLISHED BY OSHA OR EQUAL TO OR ABOVE THE .1% LEVEL.			

III PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING RANGE: 212°F
VAPOR PRESSURE (mm hg): 25MM HG
VAPOR DENSITY, (AIR = 1): 1
SOLUBILITY IN WATER: COMPLETE
pH: 8.2
SPECIFIC GRAVITY (WATER = 1) : 1.010
MELTING POINT: N/A
EVAPORATION RATE (BUTYLACETATE = 1) : < 1
PERCENT VOLATILE: < 20
APPEARANCE AND ODOR: WHITE IS WHITE LIQUID, NEGLIGIBLE ODOR
CLEAR IS WHITE LIQUID, NEGLIGIBLE ODOR (GOES ON WHITE & DRIES CLEAR)

IV FIRE AND EXPLOSION DATA

FLASH POINT, (METHOD USED): NO FLASH AT BOIL/FLAMMABLE LIMITS LEL: N/A UEL: N/A
EXTINGUISHING MEDIA: CO_2; WATER FOG; DRY CHEMICAL; CHEMICAL FOAM
FIRE FIGHTING PROCEDURES: FIRE FIGHTERS AND OTHERS WHO MAY BE EXPOSED TO THE PRODUCTS OF COMBUSTION SHOULD BE EQUIPPED WITH NIOSH-APPROVED POSITIVE PRESSURE SELF CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING.
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

V REACTIVITY DATA

STABILITY DATA: STABLE CONDITIOINS TO AVOID: N./A

INCOMPATIBILITY (MATERIALS TO AVOID): AVOID STRONG ACIDS/STRONG OXIDIZERS/STRONG BASES

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CO_2, CO, ACRYLIC MONOMERS

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR CONDITIONS TO AVOID: N/A

VI HEALTH HAZARD DATA

ROUTES OF ENTRY - SIGNS AND SYMPTOMS:

INHALATION: NO NEGATIVE EFFECTS EXPECTED. REMOVE TO FRESH AIR; IF SYMPTON PERSISTS, SEEK MEDICAL ATTENTION.

SKIN: PROLONGED CONTACT MAY CAUSE SLIGHT IRRITATION. INCIDENTAL CONTACT IS NOT EXPECTED TO CAUSE IRRITATION. REMOVE CONTAMINATED CLOTHING; WASH AREA WITH SOAP AND WATER.

EYES: CONTACT WITH EYES WILL CAUSE IRRITATION. FLUSH WITH WATER FOR 15 MIN. IF IRRITATION PERSISTS, SEEK PHYSICIAN.

INGESTION: MAY CAUSE GASTRIC DISTRESS, VOMITING OR DIARRHEA. GIVE TWO GLASSES OF WATER TO DILUTE AND SEEK MEDICAL ATTENTION.

HEALTH HAZARDS (ACUTE AND CHRONIC): ACUTE EFFECTS OF EXPOSURE MAY BE SLIGHT NAUSEA, OR DISCOMFORT. NO CHRONIC EFFECTS ARE KNOWN AT THIS TIME.

CARCINOGENICITY: NTP: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: EXPOSURE TO THIS PRODUCT IS NOT EXPECTED TO CONTRIBUTE, WORSEN OR AGGRAVATE ANY PRE-EXISTING MEDICAL CONDITIONS.

VII PRECAUTIONS FOR DISPOSAL, SAFE HANDLING, AND USE

SPILLS: SMALL SPILLS: STOP DISCHARGE. CONTAIN MATERIAL WITHDIKE OR BARRIER.
LARGE SPILLS: STOP DISCHARGE. CONTAIN MATERIAL WITH DIKE OR BARRIER. RECAPTURE PRODUCT ANY PLACE IN CHEMICAL WASTE CONTAINERS, ABSORB REMAINDER WITH ABSORBENT CLAY OR SAWDUST.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: , KEEP CONTAINER CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM ABUSE AND EXTREME TEMPERATURES.

OTHER PRECAUTIONS: KEEP THIS AND OTHER CHEMICALS OUT OF REACH OF CHILDREN. AVOID BODY CONTACT WITH THIS PRODUCT AND ALL CHEMICALS.

VIII CONTROL MEASURES

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VENTILATION: LOCAL EXHAUST IS RECOMMENDED. HOWEVER WHEN VAPORS, MISTS OR DUSTS CAN BE GENERATED IN ENCLOSED AREAS MECHANICAL MAY BE NECESSARY.

PROTECTIVE GLOVES: NEOPRENE OR RUBBER

EYE PROTECTION: GOGGLES WITH SIDE SHIELDS

OTHER PROTECTIVE EQUIPMENT: SAFETY EYEBATH NEARBY

WORK/HYGIENIC PRACTICES: EXHIBIT NORMAL SAFE WORKPLACE HABITS.

I CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

DATE: 3/15/06
TRADE NAME; CHEMSAFE 500 (CLEAR OR WHITE)
GENERAL OR GENERIC ID: LOCKDOWN ENCAPSULANT
MANUFACTURED FOR: ARAMSCO
1480 GRANDVIEW AVENUE
THOROFARE, NJ 08086
(800) 767-6933

24 HOURS TRANSPORTATION EMERGENCY NUMBER: CHEM-TREC (800) 424-9300

HMIS RATING: HEALTH (1) FIRE (0) REACTIVITY (0)
*4 = EXTREME, 3 = HIGH, 2 = MODERATE, 1 = SLIGHT, 0 = INSIGNIFICANT * = CHRONIC HAZARD*

II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS CHEMICAL IDENTITY; COMMON NAMES	CAS#	ACGIH TWA/STEL	OSHA PEL TWA/STEL	% OPTIONAL
	THERE ARE NO HAZARDOUS INGREDIENTS AT REPORTABLE LEVELS WITHIN THIS PRODUCT. REPORTABLE LEVELS ESTABLISHED BY OSHA OR EQUAL TO OR ABOVE THE .1% LEVEL.			

III PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING RANGE: 212°F
VAPOR PRESSURE (mm hg): 25MM HG
VAPOR DENSITY, (AIR = 1): 1
SOLUBILITY IN WATER: COMPLETE
pH: 8.2
SPECIFIC GRAVITY (WATER = 1) : 1.010
MELTING POINT: N/A
EVAPORATION RATE (BUTYLACETATE = 1) : < 1
PERCENT VOLATILE: < 20
APPEARANCE AND ODOR: WHITE IS WHITE LIQUID, NEGLIGIBLE ODOR
CLEAR IS WHITE LIQUID, NEGLIGIBLE ODOR (GOES ON WHITE & DRIES CLEAR)

IV FIRE AND EXPLOSION DATA

FLASH POINT, (METHOD USED): NO FLASH AT BOIL/FLAMMABLE LIMITS LEL: N/A UEL: N/A
EXTINGUISHING MEDIA: CO_2; WATER FOG; DRY CHEMICAL; CHEMICAL FOAM
FIRE FIGHTING PROCEDURES: FIRE FIGHTERS AND OTHERS WHO MAY BE EXPOSED TO THE PRODUCTS OF COMBUSTION SHOULD BE EQUIPPED WITH NIOSH-APPROVED POSITIVE PRESSURE SELF CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING.
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

V REACTIVITY DATA

STABILITY DATA: STABLE CONDITIOINS TO AVOID: N./A

INCOMPATIBILITY (MATERIALS TO AVOID): AVOID STRONG ACIDS/STRONG OXIDIZERS/STRONG BASES

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CO_2, CO, ACRYLIC MONOMERS

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR CONDITIONS TO AVOID: N/A

I CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

DATE: 3/15/06
TRADE NAME; CHEMSAFE GOLD
GENERAL OR GENERIC ID: CLEANING COMPOUND
MANUFACTURED FOR: ARAMSCO
1480 GRANDVIEW AVENUE
THOROFARE, NJ 08086
(800) 767-6933

24 HOURS TRANSPORTATION EMERGENCY NUMBER: CHEM-TREC (800) 424-9300

HMIS RATING: HEALTH (1) FIRE (0) REACTIVITY (0)
*4 = EXTREME, 3 = HIGH, 2 = MODERATE, 1 = SLIGHT, 0 = INSIGNIFICANT * = CHRONIC HAZARD*

II COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENTS	CAS#	ACGIH TLV	OSHA PEL	% OPTIONAL
NONYLPHENOLPOLY-ETHYLENE GLYCOL	26027 - 38 - 3	NE	NE	

NE = NON ESTABLISHED AT THIS TIME

III PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING RANGE: > 212F
VAPOR PRESSURE (mm hg): 17@20C
VAPOR DENSITY, (AIR = 1): > 1
SOLUBILITY IN WATER: COMPLETE
APPEARANCE AND ODOR: GOLD LIQUID, ODORLESS

SPECIFIC GRAVITY (WATER = 1): 1.020
MELTING POINT: N/A
EVAPORATION RATE (BUTYLACETATE = 1): < 1
PERCENT VOLATILE: N/A

IV FIRE AND EXPLOSION DATA

FLASH POINT, (METHOD USED): NONE(NO FLASH @ BOIL) FLAMMABLE LIMITS: ND
EXTINGUISHING MEDIA: CO_2; WATER FOG; DRY CHEMICAL; CHEMICAL FOAM
FIRE FIGHTING PROCEDURES: KEEP DRUMS COOL WITH WATER SPRAY TO PREVENT DRUM RUPTURE DUE TO STEAM BUILDUP; FLOOR WILL BECOME SLIPPERTY IF MATERIAL IS RELEASED.
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE KNOWN AT THIS TIME

V REACTIVITY DATA

STABILITY DATA: STABLE
INCOMPATIBILITY (MATERIALS TO AVOID): EXTREME TEMPERATURES
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: THERMAL DECOMPOSITION MAY YIELD CO; CO_2
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

IX TRANSPORTATION

DOT SHIPPING NAME: NON-REGULATED SHIP AS CLEANING COMPOUND
PLACARDING: NONE REQUIRED
HAZARD CLASS: NON HAZARDOUS
IDENTIFICATION NO: NON HAZARDOUS
PACKING GROUP: NOT REGULATED
RQ (REPORTABLE QUANTITY): N/A

X REGULATORY INFORMATION

SARA TITLE III: SECTION 3111/312 – HAZARD CATEGORIES

N – FIRE HAZARD
N – SUDDEN RELEASE OR PRESSURE HAZARD
N – REACTIVITY HAZARD
N – IMMEDIATE (ACUTE) HEALTH HAZARD
N – DELAYED (CHRONIC) HEALTH HAZARD

OZONE DEPLETING CHEMICALS: **NO REGULATED INGREDIENTS**

SARA TITLE 302 - EXTREMELY HAZARDOUS MATERIALS: **NO REGULATED INGREDIENTS**

SARA TITLE 313 – TOXIC CHEMICALS: **NO REGULATED INGREDIENTS**

CALIFORNIA PROPOSITION 65: **NO REGULATED INGREDIENTS**

SPECIFIC PRECAUTIONS AND OTHER COMMENTS:

The information contained herein is believed to be accurate but is not warranted to be so. Users are advised to confirm in advance of need, that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

VI HEALTH HAZARD DATA

SIGNS AND SYMPTOMS OF EXPOSURE:

INHALATION: NO IRRITATION EXPECTED

SKIN: PROLONGED EXPOSURE MAY CAUSE MILD SKIN IRRITATION.

EYES: EXPOSURE MAY CAUSE IRRITATION. SYMPTOMS MAY INCLUDE STINGING, TEARING, AND REDNESS.

INGESTION: MAY CAUSE DIARRHEA, GASTRIC PAIN, AND VOMITING.

HEALTH HAZARDS (ACUTE AND CHRONIC): POSSIBLE IRRITATION AND DISCOMFORT. NO KNOWN CHRONIC EFFECTS HAVE BEEN ESTABLISHED

CARCINOGENICITY: NTP: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE KNOWN

EMERGENCY FIRST AID PROCEDURES

INHALATION: REMOVE TO FRESH AIR; IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION.

INGESTION: GIVE TWO GLASSES OF WATER; INDUCE VOMITING, SEEK MEDICAL ATTENTION.

EYE CONTACT: FLUSH EYES WITH WATER HOLDING EYELIDS APART FOR 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. FLUSH AREA WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

VII PRECAUTIONS FOR DISPOSAL, SAFE HANDLING, AND USE

SPILLS: SMALL SPILLS: WASH TO SANITARY SEWER WITH PLENTY OF WATER.

LARGE SPILLS: CONFINE SPILL, SOAK UP WITH APPROVED ABSORBANT, SHOVEL PRODUCT INTO APPROVED CONTAINER FOR DISPOSAL. WASH AREA WITH PLENTY OF WATER.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP CONTAINER CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM ABUSE AND EXTREME TEMPERATURES.

OTHER PRECAUTIONS: EMPTIED CONTAINERS CONTAIN PRODUCT RESIDUES AND ALL PRECAUTIONS WITHIN THIS MSDS STILL APPLY AND SHOULD BE FOLLOWED.

VIII CONTROL MEASURES

RESPIRATORY PROTECTION: AVOID DIRECT INHALATION OF MISTS. IF WORKPLACE EXPOSURE LIMITS OF PRODUCT OR ANY COMPONENT IS EXCEEDED, A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER SPECIFIED CONDITIONS.

VENTILATION: LOCAL EXHAUST IS ADEQUATE UNDER NORMAL USE. HOWEVER

MECHANICAL

VENTILATION COULD BE NECESSARY FOR OVERALL JOB REQUIREMENTS.

PROTECTIVE GLOVES: NEOPRENE, PVC, OR BUTYL

EYE PROTECTION: CHEMICAL GOGGLES WITH SIDE SHIELDS

WORK/HYGIENIC PRACTICES: EXHIBIT NORMAL SAFE WORKPLACE HABITS.

IX TRANSPORTATION

DOT SHIPPING NAME: CLEANING COMPOUND, NON-HAZARDOUS

PLACARDING: NONE

HAZARD CLASS: NONE

IDENTIFICATION NO: NO PLACARDING OR UN IDENTIFICATION REQUIRED FOR NON-HAZARDOUS SHIPMENTS.

RQ (REPORTABLE QUANTITY): NOT APPLICABLE

X REGULATORY INFORMATION

SARA TITLE III: NOT LISTED AS REPORTABLE SUBSTANCE. NO REPORTABLE QUANTITY (RQ) LIMIT "NOT REGULATED"

CERCLA RQ: NONE

SPECIAL PRECAUTIONS / OTHER COMMENTS

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VAPOR PRESSURE (mmHg): See Section 2
PERCENT VOLATILE BY WEIGHT (%): Approximately 80%
VAPOR DENSITY (Air = 1): >1
EVAPORATION RATE (BA = 1): >1
SOLUBILITY IN WATER: Slight
REACTIVITY IN WATER: None
APPEARANCE AND ODOR: CONCENTRATE: Amber liquid with characteristic odor; PROPELLANT: Clear, odorless gas; FINISHED PACKAGE: Pressurized containers.
FLASH POINT: See Section 2
FLAMMABLE LIMITS IN AIR - % BY VOLUME: See Section 2
EXTINGUISHER MEDIA: Carbon dioxide, foam, dry chemical
AUTO-IGNITION TEMPERATURE: Unknown
SPECIAL FIRE FIGHTING PROCEDURES: Water may be used to cool closed containers to prevent pressure build-up and possible bursting when exposed to high temperatures. Firemen should wear self-contained respiratory protection.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Extremely flammable. Contents under pressure. Do not store or use near heat or ignition sources. Containers may burst at temperatures above 130 deg. F.

SECTION 4 - PHYSICAL HAZARDS

STABILITY: Stable
CONDITIONS TO AVOID: Avoid any ignition sources. Avoid excessive heat.
INCOMPATIBILITY (Materials to Avoid): Nitric plus Acetic Acids, Nitric plus Sulfuric Acid, Amines, Strong Oxidizing Agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide.
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Not Applicable.

SECTION 5 - HEALTH HAZARDS

THRESHOLD LIMIT VALUE: See Section 2
SIGNS AND SYMPTOMS OF EXPOSURE: **EYE CONTACT:** May cause moderate eye irritation and moderate corneal injury. Vapors may irritate eyes; **SKIN CONTACT:** Prolonged contact may cause irritation, defatting of skin; **INHALATION:**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: Headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage;
INGESTION: If aspirated (liquid enters the lungs), it may be rapidly absorbed through the lungs and result in injury to other body systems. Gastro-intestinal distress.

IMPORTANT NOTICE: *REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS MAY LEAD TO PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. EYE WATERING, HEADACHES, NAUSEA, DIZZINESS AND LOSS OF COORDINATION ARE SIGNS THAT SOLVENT LEVELS ARE TOO HIGH. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.*

CHRONIC EFFECTS: *THIS PRODUCT CONTAINS N-HEXANE. OVEREXPOSURE TO N-HEXANE MAY CAUSE PROGRESSIVE AND POTENTIALLY IRREVERSIBLE DAMAGE TO THE PERIPHERAL NERVOUS SYSTEM, PARTICULARLY IN THE ARMS AND LEGS.*

SIMULTANEOUS EXPOSURE TO THE VAPORS OF N-HEXANE AND METHYL ETHYL KETONE (MEK) OR TO N-HEXANE AND METHYL ISOBUTYL KETONE (MIBK) ABOVE THE RECOMMENDED WORKPLACE LIMITS INCREASES THE RISK OF ADVERSE EFFECTS FROM N-HEXANE. EVIDENCE IN LABORATORY ANIMALS AND HUMANS INDICATES THAT IN THE PRESENCE OF MEK OR MIBK, THE NEUROPATHY ASSOCIATED WITH N-HEXANE IS PRODUCED IN A SHORTER PERIOD OF TIME OR AT LOWER EXPOSURE CONCENTRATIONS. THERE IS NO REPORTED HUMAN EVIDENCE THAT THESE NEUROTOXIC EFFECTS OCCUR WHEN EXPOSURE TO THESE CHEMICALS IS MAINTAINED BELOW ESTABLISHED OSHA AND ACGIH LIMITS.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN:
NATIONAL TOXICOLOGY PROGRAM: No
I.A.R.C. MONOGRAPHS: No
OSHA: No
OSHA PERMISSIBLE EXPOSURE LIMIT: See Section 2
ACGIH THRESHOLD LIMIT VALUE: See Section 2
OTHER EXPOSURE LIMIT USED: None

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air. If not breathing, give mouth-to-mouth. If

breathing is difficult, give oxygen. Call a physician. EYES: Flush with flowing water immediately and continuously for 15 minutes. Consult medical personnel. SKIN: Wash off in flowing water or shower. Remove contaminated clothing and wash before reuse. INGESTION: Do not induce vomiting. Call a physician immediately.

SECTION 6 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NIOSH or Bureau of Mines approved organic vapor-type respirator is required in absence of proper environmental control.
VENTILATION:
LOCAL EXHAUST: To keep below TLV
MECHANICAL (General): To keep below TLV
SPECIAL: None
OTHER: None
PROTECTIVE GLOVES: Solvent resistant gloves - impervious gloves
EYE PROTECTION: Safety glasses or goggles
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None reasonably foreseeable.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Do not store above 120 deg. F. Avoid breathing vapors. Avoid prolonged or repeated contact with skin.
OTHER PRECAUTIONS: EXTREMELY FLAMMABLE. Do not use or store near open flames, heat, or any sources of ignition. Contents under pressure. Do not puncture or incinerate. Vapors are heavier than air and will collect in low areas.
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
SMALL SPILLS: Remove ignition sources. Mop up, wipe up, or soak up immediately. Use proper protective equipment. LARGE SPILLS: Evacuate area. Remove ignition sources. Contain liquid; transfer to closed containers; keep out of water supplies.
WASTE DISPOSAL METHODS: Dispose in accordance with Federal, State, and Local regulations. Do not incinerate closed or empty containers.

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

SECTION 8 - PERCENTAGE OF HAZARDOUS INGREDIENTS

Principal Hazardous Component(s)

CHEMICAL AND COMMON NAME(S)	CAS #	% BY WT.	SUBJECT TO SE CTION 313 OF SARA TITLE III
Acetone	67-64-1	30 - 50	No
Hexane	110-54-3	30 - 50	Yes
Propane/Isobutane (Propellant)	68-476-85-7	30 - 50	No

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

47-15-1A (1/88)-q
(Automated 6/07)

NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

6 NYCRR Part 360-2

SOLID WASTE MANAGEMENT FACILITY INSPECTION REPORT

(For use at Mixed Solid Waste Landfills, Industrial /Commercial Waste Monofills, or Ash Residue Monofills)

FACILITY NAME:	LOCATION:	FACILITY ID#:	DATE:	TIME:
Ontario County Landfill	Seneca (T), Ontario (C)	35 S 11	6/8/10	8:55 AM

INSPECTOR'S NAME:	CODE:	PERSONS INTERVIEWED & TITLES
Jennifer Bostaph	M	Scott Fonda, Operations Manager.

REGION	WEATHER CONDITIONS:	DEC PERMIT NUMBER
8	Temperature in the high 60's and partly sunny	8 - 3244 - 00004 / 00001 - 0

SHEET	CONTINUATION SHEET	PART(S) 360-
1 OF 2	☒ YES ☐ NO	None attached

Violations of Part 360 are Subject to Applicable Civil, Administrative, and Criminal Sanctions Set Forth in ECL Article 71 and as Appropriate, the Clean Water and Air Acts. Additional and/or Multiple Violations May be Described on the Attached Continuation Sheet.
This form is a record of conditions which are observed in the field at the time of inspection
Items marked NI indicate No Inspection and do not mean no violation has occurred.

☒ PART 360 PERMIT ☐ ORDER ON CONSENT ☐ REGISTERED ☐ EXEMPT ☐ COMPLAINT ☐ CLOSED

C	NI	V	
			FACILITY MANAGEMENT
☒	☐	☐	1. Solid waste management facility is authorized and management occurs within approved area. 360-1.7(a) (1), (b); 360-1.8(h) (5)
			2. Incoming waste is monitored by a control program for unauthorized waste and solid waste material accepted are approved for management at the facility 360-1.14(e) (1)
☐	☒	☐	a. Hazardous/Low Level Radioactive Wastes 360-1.5(b), 360-2.17(m)
☒	☐	☐	b. Control Program. 360-1.14(e) (1)
☐	☒	☐	c. Department Approved Facility for Specific Wastes. 360-1.14(r)
☐	☒	☐	d. Bulk Liquids 360-2.17 (k)
☐	☒	☐	e. Whole Tires 360-2.17(v)
☐	☒	☐	f. Lead Acid Batteries 360-2.17 (w)
			3. Operator maintains and operates facility components and equipment in accordance with the permit and their intended use.
☒	☐	☐	a. Maintenance of Facility Components/Site Grading. 360-1.14(f) (1); 360-2.17 (h), (u)
☒	☐	☐	b. Adequate Equipment. 360-1.14(f) (2)
			4. Operational Records are available where required:
☐	☒	☐	a. Unauthorized Solid Waste Records. 360-1.14(l) (1)
☐	☒	☐	b. Self Inspection Records. 360-1.14(l) (2)
☐	☒	☐	c. Permit Application Records. 360-1.14(l) (3)
☐	☒	☐	d. Monitoring Records. 360-1.14(l) (4)
☐	☒	☐	e. Facility Operator Records. 360-1.14(u) (1)
☐	☒	☐	f. Fill Progression Records. 360-2.9 (e)
☐	☒	☐	g. Primary Leachate Collection and Removal System Logs 260-2.9(j) (3)
☐	☒	☐	h. Asbestos Waste Site Plan 360-2.17 (p) (2)
☐	☒	☐	i. Random waste collection vehicle inspection records 260-2.17(q)
			OPERATION CONTROL
☐	☒	☐	5. Solid waste, including blowing litter, is sufficiently confined and controlled. 360-1.14(j)
☒	☐	☐	6. Dust is effectively controlled and does not constitute an offsite nuisance. 360-1.14(k)
☒	☐	☐	7. On-Site vector populations are prevented or controlled, and vector breeding areas are prevented 360-1.14(l)
☒	☐	☐	8. Odors are effectively controlled so that they do not constitute a nuisance. 360-1.14(m)
			WATER
☒	☐	☐	9. Solid waste is prevented from entering surface waters and/or groundwater. 360-1.14(b) (1)
☐	☒	☐	10. Leachate is minimized through drainage control or other means and is prevented from entering surface waters.360-1.14(b) (2); 360-2.17(q)
			ACCESS
☒	☐	☐	11. Access to the facility is strictly and continuously controlled by fencing, gates signs, natural barriers, or other suitable means.360-1.14(d)*
☒	☐	☐	12. On-site roads are passable. 360-1.14(n); 360-2.17(s)
			WASTE HANDLING
☒	☐	☐	13. Solid Waste is spread in layers 2 feet or less in thickness, proper compaction is achieved with 3 passes of appropriately sized equipment and the working face area is the smallest practicable. 360-2.17(b) (1)
☒	☐	☐	14. Lift height does not exceed 10 feet, slope is at least 4 percent and no more than 33 percent, and wastes are placed and graded in accordance with fill progression plan 360-2.17(b) (2)
			15. Solid waste preparation measures and/or precautions are provided:
☐	☒	☐	a. Stabilized/dewatered sludges 360-2.17(n)
☐	☒	☐	b. Asbestos Waste 360-2.17 (p) (3)
☐	☒	☐	c. Tanks 360-2.17(r)
			COVER
☒	☐	☐	16. Daily cover material is suitable in quality, of proper compacted thickness, and is applied and maintained where and when required to control vectors, fires, odors, blowing litter, and scavenging 360-2.17 (c)
☒	☐	☐	17. Intermediate cover is suitable in quality, of proper compacted thickness, and is applied and maintained where and when required 36o-2.17 (d)
☒	☐	☐	18. Final cover system material is suitable in quality, of proper compacted thickness, and is applied and maintained.360-2.17 (e)
			MONITORING
☐	☒	☐	19. Monitoring wells are intact. 360-2.17 (a); 360-2.11(a) (8) (v); (c) (1)
☐	☒	☐	20. Decomposition gases are monitored and controlled 360-2.17(f); 360-8.3 (c)
			OTHER
			On Continuation Sheet identify any other violations

Inspector's Signature

I Hereby acknowledge receipt of the Facility Copy of this report

CARLA CANJAR
Individual in responsible charge

06.08.10
Signature/Date

47-15-1 (1/98)-q
(Automated 6/07)

NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

6 NYCRR Part 360
SOLID WASTE MANAGEMENT FACILITY INSPECTION REPORT
Continuation Sheet

FACILITY NAME:	LOCATION:	FACILITY ID#:	DATE:	TIME:
Ontario County Landfill	Seneca (T), Ontario (C)	35 S 11	6/8/10	8:55 AM

INSPECTOR'S NAME:	CODE:	PERSONS INTERVIEWED & TITLES
Jennifer Bostaph	M	See Sheet 1 of 2

REGION	WEATHER CONDITIONS:	DEC PERMIT NUMBER
8	See Sheet 1 of 2	8 - 3244 - 00004 / 00001 - 0

SHEET	CONTINUATION SHEET	PART(S) 360-
2 OF 2	☐ YES ☒ NO	None Attached

Violations of Part 360 are Subject to Applicable Civil, Administrative, and Criminal Sanctions Set Forth in ECL Article 71 and as Appropriate, the Clean Water and Air Acts.
Additional Violations May be noted on Sheet one of this inspection report.
Provide site sketches, clarification, supplemental information, locations of photographs or samples and/or locations of violations (uncorrected violations must be described in detail and located on a sketch.)

Item #3a: The site received 2½" of rain over the weekend. The site held up well to the rain, with minimal erosion.
Construction Update: The fence has been removed from the south side of the stormwater pond north of stage 7A and Marcy started building a road south of the pond to the new pump house. There are a large number of wet areas on the north and east slopes of the waste excavation area, with a leachate flowing from a couple areas. The outbreaks remain on the slope and are contained within the landfill. Excavation is taking place in the central part of the cell. Marcy is pumping water out of the northwestern part of stage 7A and into the stormwater pond. Fill is being placed and rolled in the western part of the cell.

Item #5: Two workers were checking for debris between the dual wheels of vehicles leaving the site.

Item #6: The onsite roads were watered. Marcy watered the roads in the construction area.

Item #10: Leachate was hauled off site.

Item #13: There are two working faces. One working face is located in the southwest part of stage 4. The AlJon compactor and a dozer are operating at this face. The other working face is located in the central west part of stage 6B. Two AlJon compactors and the CMI compactor are operating at this face.

Inspector's Signature

I Hereby acknowledge receipt of the Facility Copy of this report

CARLA CANJAR
Individual in responsible charge

06.08.10
Signature/Date

47-15-1A (1/98)-q
(Automated 6/07)

NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

6 NYCRR Part 360-2

SOLID WASTE MANAGEMENT FACILITY INSPECTION REPORT

(For use at Mixed Solid Waste Landfills, Industrial /Commercial Waste Monofills, or Ash Residue Monofills)

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Ontario County Landfill	Seneca (T), Ontario (C)	35 S 11	6/17/10	9:10 AM

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Jennifer Bostaph	M	Scott Fonda, Operations Manager.

REGION	WEATHER CONDITIONS:	DEC PERMIT NUMBER
8	Temperature in the high 60's and mostly cloudy	8 - 3244 - 00004 / 00001 - 0

SHEET	CONTINUATION SHEET	PART(S) 360-
1 OF 2	☒ YES ☐ NO	None attached

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☒	☐	☐	9. Solid waste is prevented from entering surface waters and/or groundwater. 360-1.14(b) (1)
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			ACCESS
☒	☐	☐	11. Access to the facility is strictly and continuously controlled by fencing, gates signs, natural barriers, or other suitable means.360-1.14(d)*
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			15. Solid waste preparation measures and/or precautions are provided:
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			OTHER
			On Continuation Sheet identify any other violations

Inspector's Signature

I Hereby acknowledge receipt of the Facility Copy of this report

Scott Fonda
Individual in responsible charge

Scott Fonda
Signature/Date

47-15-1 (1/98)-q
(Automated 6/07)

NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

6 NYCRR Part 360

SOLID WASTE MANAGEMENT FACILITY INSPECTION REPORT

Continuation Sheet

FACILITY NAME:	LOCATION:	FACILITY ID#:	DATE:	TIME:
Ontario County Landfill	Seneca (T), Ontario (C)	35 S 11	6/17/10	9:10 AM

INSPECTOR'S NAME:	CODE:	PERSONS INTERVIEWED & TITLES
Jennifer Bostaph	M	See Sheet 1 of 2

REGION	WEATHER CONDITIONS:	DEC PERMIT NUMBER
8	See Sheet 1 of 2	8 - 3244 - 00004 / 00001 - 0

SHEET	CONTINUATION SHEET	PART(S) 360-
2 OF 2	☐ YES ☒ NO	None Attached

Violations of Part 360 are Subject to Applicable Civil, Administrative, and Criminal Sanctions Set Forth in ECL Article 71 and as Appropriate, the Clean Water and Air Acts.
Additional Violations May be noted on Sheet one of this inspection report.
Provide site sketches, clarification, supplemental information, locations of photographs or samples and/or locations of violations (uncorrected violations must be described in detail and located on a sketch.)

Item #3a: The site received 1½" of rain yesterday. The site held up well to the rain, with minimal erosion.
Construction Update: I attended a construction meeting with staff from Casella, B&L, Marcy, and Terrefix. Marcy started hauling clay on site this week. Bedrock excavation is taking place in the central part of stage 7A. Marcy has been placing common fill in the western part of the cell. All of the liner is onsite except the GCL.

Item #5: Two workers were checking for debris between the dual wheels of vehicles leaving the site.

Item #6: The onsite roads were watered to control the mud.

Item #7: USDA is now working onsite to control birds.

Item #8: Slight odors were noticed on County Road 5 and Rilands Road southeast of the landfill.

Item #10: Leachate was hauled off site.

Item #13: The working face is located in the southwest part of stage 4. Two AlJon compactors, the CMI compactor, and two dozers are operating at the working face.

Item #17: Additional cover is needed in the northeastern part of stage 6B.

Inspector's Signature

I Hereby acknowledge receipt of the Facility Copy of this report

Individual in responsible charge

Signature/Date

47-15-1A (1/98)-q
(Automated 6/07)

NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

6 NYCRR Part 360-2

SOLID WASTE MANAGEMENT FACILITY INSPECTION REPORT

(For use at Mixed Solid Waste Landfills, Industrial /Commercial Waste Monofills, or Ash Residue Monofills)

FACILITY NAME:	LOCATION:	FACILITY ID#:	DATE:	TIME:
Ontario County Landfill	Seneca (T), Ontario (C)	35 S 11	7/1/10	8:40 AM

INSPECTOR'S NAME:	CODE:	PERSONS INTERVIEWED & TITLES
Jennifer Bostaph	M	Scott Fonda, Operations Manager.

REGION	WEATHER CONDITIONS:	DEC PERMIT NUMBER
8	Temperature in the low 70's and partly sunny with gusty NW winds	8 - 3244 - 00004 / 00001 - 0

SHEET	CONTINUATION SHEET	PART(S) 360-
1 OF 2	☒ YES ☐ NO	None attached

Violations of Part 360 are Subject to Applicable Civil, Administrative, and Criminal Sanctions Set Forth in ECL Article 71 and as Appropriate, the Clean Water and Air Acts. Additional and/or Multiple Violations May be Described on the Attached Continuation Sheet.
This form is a record of conditions which are observed in the field at the time of inspection
Items marked NI indicate No Inspection and do not mean no violation has occurred.

☒ PART 360 PERMIT ☐ ORDER ON CONSENT ☐ REGISTERED ☐ EXEMPT ☐ COMPLAINT ☐ CLOSED

C	NI	V	
			FACILITY MANAGEMENT
☒	☐	☐	1. Solid waste management facility is authorized and management occurs within approved area. 360-1.7(a) (1), (b); 360-1.8(h) (5)
			2. Incoming waste is monitored by a control program for unauthorized waste and solid waste material accepted are approved for management at the facility 360-1.14(e) (1)
☐	☒	☐	a. Hazardous/Low Level Radioactive Wastes 360-1.5(b), 360-2.17(m)
☒	☐	☐	b. Control Program. 360-1.14(e) (1)
☐	☒	☐	c. Department Approved Facility for Specific Wastes. 360-1.14(r)
☐	☒	☐	d. Bulk Liquids 360-2.17 (k)
☐	☒	☐	e. Whole Tires 360-2.17(v)
☐	☒	☐	f. Lead Acid Batteries 360-2.17 (w)
			3. Operator maintains and operates facility components and equipment in accordance with the permit and their intended use.
☒	☐	☐	a. Maintenance of Facility Components/Site Grading. 360-1.14(f) (1); 360-2.17 (h), (u)
☒	☐	☐	b. Adequate Equipment. 360-1.14(f) (2)
			4. Operational Records are available where required:
☐	☒	☐	a. Unauthorized Solid Waste Records. 360-1.14(l) (1)
☐	☒	☐	b. Self Inspection Records. 360-1.14(l) (2)
☐	☒	☐	c. Permit Application Records. 360-1.14(l) (3)
☐	☒	☐	d. Monitoring Records. 360-1.14(l) (4)
☐	☒	☐	e. Facility Operator Records. 360-1.14(u) (1)
☐	☒	☐	f. Fill Progression Records. 360-2.9 (e)
☐	☒	☐	g. Primary Leachate Collection and Removal System Logs 260-2.9(j) (3)
☐	☒	☐	h. Asbestos Waste Site Plan 360-2.17 (p) (2)
☐	☒	☐	i. Random waste collection vehicle inspection records 260-2.17(q)
			OPERATION CONTROL
☐	☒	☐	5. Solid waste, including blowing litter, is sufficiently confined and controlled. 360-1.14(j)
☒	☐	☐	6. Dust is effectively controlled and does not constitute an offsite nuisance. 360-1.14(k)
☒	☐	☐	7. On-Site vector populations are prevented or controlled, and vector breeding areas are prevented 360-1.14(i)
☒	☐	☐	8. Odors are effectively controlled so that they do not constitute a nuisance. 360-1.14(m)
			WATER
☒	☐	☐	9. Solid waste is prevented from entering surface waters and/or groundwater. 360-1.14(b) (1)
☐	☒	☐	10. Leachate is minimized through drainage control or other means and is prevented from entering surface waters.360-1.14(b) (2); 360-2.17(q)
			ACCESS
☒	☐	☐	11. Access to the facility is strictly and continuously controlled by fencing, gates signs, natural barriers, or other suitable means.360-1.14(d)*
☒	☐	☐	12. On-site roads are passable. 360-1.14(n); 360-2.17(s)
			WASTE HANDLING
☒	☐	☐	13. Solid Waste is spread in layers 2 feet or less in thickness, proper compaction is achieved with 3 passes of appropriately sized equipment and the working face area is the smallest practicable. 360-2.17(b) (1)
☒	☐	☐	14. Lift height does not exceed 10 feet, slope is at least 4 percent and no more than 33 percent, and wastes are placed and graded in accordance with fill progression plan 360-2.17(b) (2)
			15. Solid waste preparation measures and/or precautions are provided:
☐	☒	☐	a. Stabilized/dewatered sludges 360-2.17(n)
☐	☒	☐	b. Asbestos Waste 360-2.17 (p) (3)
☐	☒	☐	c. Tanks 360-2.17(r)
			COVER
☒	☐	☐	16. Daily cover material is suitable in quality, of proper compacted thickness, and is applied and maintained where and when required to control vectors, fires, odors, blowing litter, and scavenging 360-2.17 (c)
☒	☐	☐	17. Intermediate cover is suitable in quality, of proper compacted thickness, and is applied and maintained where and when required 36o-2.17 (d)
☒	☐	☐	18. Final cover system material is suitable in quality, of proper compacted thickness, and is applied and maintained.360-2.17 (e)
			MONITORING
☐	☒	☐	19. Monitoring wells are intact. 360-2.17 (a); 360-2.11(a) (8) (v); (c) (1)
☐	☒	☐	20. Decomposition gases are monitored and controlled 360-2.17(f); 360-8.3 (c)
			OTHER
			On Continuation Sheet identify any other violations

Inspector's Signature

I Hereby acknowledge receipt of the Facility Copy of this report

Scott Fonda
Individual in responsible charge

Scott Fonda
Signature/Date

47-15-1 (1/98)-q
(Automated 6/07)

NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

6 NYCRR Part 360
SOLID WASTE MANAGEMENT FACILITY INSPECTION REPORT
Continuation Sheet

FACILITY NAME:	LOCATION:	FACILITY ID#:	DATE:	TIME:
Ontario County Landfill	Seneca (T), Ontario (C)	35 S 11	7/1/10	8:40 AM

INSPECTOR'S NAME:	CODE:	PERSONS INTERVIEWED & TITLES
Jennifer Bostaph	M	See Sheet 1 of 2

REGION	WEATHER CONDITIONS:	DEC PERMIT NUMBER
8	See Sheet 1 of 2	8 - 3244 - 00004 / 00001 - 0

SHEET	CONTINUATION SHEET	PART(S) 360-
2 OF 2	☐ YES ☒ NO	None Attached

Violations of Part 360 are Subject to Applicable Civil, Administrative, and Criminal Sanctions Set Forth in ECL Article 71 and as Appropriate, the Clean Water and Air Acts.
Additional Violations May be noted on Sheet one of this inspection report.
Provide site sketches, clarification, supplemental information, locations of photographs or samples and/or locations of violations (uncorrected violations must be described in detail and located on a sketch.)

Item #3a: Construction Update: I attended a construction meeting with staff from Marcy, Casella, and B&L. All of the geosynthetics are now onsite. The gas wells on the east side of stage 4 are being tied into the header. Marcy is excavating bedrock in the central part of stage 7A and hauling it to the stockpile. There are several leachate outbreaks on the slopes of the waste excavation area. The leachate is being contained in the temporary sump area. Marcy is excavating the west berm of stage 3B and stockpiling in stage 6B. Clay was delivered today. Marcy is exposing the liner in the northern part of stage 6B.

Item #5: There is a large amount of litter along the pole fence south of stage 5B/6A. There is no litter in the field south of the landfill.

Item #6: The onsite roads were watered throughout the day. Marcy watered the roads in the construction area.

Item #7: The USDA is onsite using bird bangers.

Item #13: There are two working faces today. One working face is located in the central east part of stage 4, working on the outside slope. An AlJon compactor and a dozer are operating at this face. The other working face is located in the northwest part of stage 6B. The CMI and AlJon compactors and a dozer are operating at this face.

Item #16: Landfill staff started covering the stage 4 working face in the early afternoon.

Item #17: Additional cover has been placed in the southwest corner of stage 6B as requested.

Inspector's Signature

I Hereby acknowledge receipt of the Facility Copy of this report

Scott Fonda
Individual in responsible charge

Scott Fonda
Signature/Date

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

PART 364
WASTE TRANSPORTER PERMIT NO. 6A-058

Pursuant to Article 27,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

WASTE STREAM, INC./DBA CASELLA WASTE SERVICE
472 WEST PARISHVILLE ROAD
POTSDAM, NY 13676

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

CONTACT NAME: CHESTER BISNETT
COUNTY: ST. LAWRENCE
TELEPHONE NO: (315)265-3860

EFFECTIVE DATE: 09/14/2010
EXPIRATION DATE: 06/30/2011
US EPA ID NUMBER:

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)
ONEIDA-HERKIMER REGIONAL LANDFILL	BOONVILLE , NY	Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant
ONTARIO COUNTY LANDFILL	STANLEY , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil
POTSDAM WWTP	POTSDAM , NY	Non-Hazardous Industrial/Commercial
WATERTOWN PCP	WATERTOWN , NY	Non-Residential Raw Sewage or Sewage-Contaminated Wastes

ATTACHMENT # B

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

PART 364
WASTE TRANSPORTER PERMIT NO. 6A-058

Pursuant to Article 27,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

WASTE STREAM, INC./DBA CASELLA WASTE SERVICE
472 WEST PARISHVILLE ROAD
POTSDAM, NY 13676

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

CONTACT NAME: CHESTER BISNETT
COUNTY: ST. LAWRENCE
TELEPHONE NO: (315)265-3860

EFFECTIVE DATE: 09/14/2010
EXPIRATION DATE: 06/30/2011
US EPA ID NUMBER:

AUTHORIZED VEHICLES:
The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:
(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

25 (Twenty Five) Permitted Vehicle(s)

NY 31505JX
NY 44449JZ
NY 52740PA
NY 62578PA
NY 74776KA
NY 80799JV
NY 86396JZ
NY 99920JR
NY 99921JR
NY AD26069
NY AD26187
NY AD26400
NY AD26408
NY AD73836
NY AK80474
NY AK81004
NY AN51551
NY AP71044
NY AR46157
NY AR47496
NY AT64648
NY AU24456
NY AV13191
NY AW39204
NY AW86978
End of List

ATTACHMENT # B

PERMIT NUMBER 8-3244-00004/00001-0		EFFECTIVE DATE 01/21/2005
FACILITY/PROGRAM NUMBER(S) 35S11	PERMIT Under the Environmental Conservation Law (ECL)	Modified: 11/25/05, 10/9/07 EXPIRATION DATE(S) 01/20/2015

TYPE OF PERMIT ☐ NEW X Renewal ☐ Modification X Permit to Construct X Permit to Operate

☐ Article 15, Title 5: Protection of Waters

☐ Article 15, Title 15: Water Supply

☐ Article 15, Title 15: Water Transport

☐ Article 15, Title 15: Long Island Wells

☐ Article 15, Title 27: Wild, Scenic and Recreational Rivers

☐ 6NYCRR 608: Water Quality Certification

☐ Article 17, Titles 7, 8: SPDES

☐ Article 19: Air Pollution Control

☐ Article 23, Title 27: Mined Land Reclamation

☐ Article 24: Freshwater Wetlands

☐ Article 25: Tidal Wetlands

X Article 27, Title 7; 6NYCRR 360: Solid Waste Management

☐ Article 27, Title 9; 6NYCRR 373: Hazardous Waste Management

☐ Article 34: Coastal Erosion Management

☐ Articles 1, 3, 17, 19, 27, 37; NYCRR 380: Radiation Control

☐ Other:

PERMIT ISSUED TO Ontario County Department of Solid Waste			TELEPHONE NUMBER (585) 396-4482
ADDRESS OF PERMITTEE 3019 County Complex Drive, Canandaigua, NY 14424			
CONTACT PERSON FOR PERMITTED WORK Geoff Astles (Ontario County)/ Jerry Leone(Casella Waste Management)			TELEPHONE NUMBER (585) 396-4400 / (585) 526-4420
NAME AND ADDRESS OF PROJECT/FACILITY Ontario County Landfill, 3555 Post Farm Road, Stanley, NY 14561			
LOCATION OF PROJECT/FACILITY south side of Route 5 & 20, just west of the intersection of County Road 5			
COUNTY Ontario	TOWN Seneca	WATERCOURSE Water Body:	NYTM COORDINATES E:0330000 N:4746830
DESCRIPTION OF AUTHORIZED ACTIVITY:			
Construction and Operation of Mixed Solid Waste Landfill with an approved design capacity of 2999 tons per day. Casella Waste Management is the present operator of the facility under a long-term lease agreement with Ontario County.			

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified (see page 2) and any Special Conditions included as part of this permit.

PERMIT ADMINISTRATOR: Kimberely Merchant	ADDRESS 6274 E. Avon-Lima Rd, Avon, NY 14414		
AUTHORIZED SIGNATURE Kimberly Merchant		DATE 10/9/07	Page 1 of 17

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

GENERAL CONDITIONS

General Condition 1: Facility Inspection by the Department

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

General Condition 2: Relationship of this Permit to Other Department Orders and Determinations

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

General Condition 3: Applications for Permit Renewals or Modifications

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

The permittee must submit a renewal application at least:

a) 180 days before expiration of permits for State Pollutant Discharge Elimination System (SPDES), Hazardous Waste Management Facilities (HWMF), major Air Pollution Control (APC) and Solid Waste Management Facilities (SWMF); and
b) 30 days before expiration of all other permit types.

Submission of applications for permit renewal or modification are to be submitted to:

NYSDEC Regional Permit Administrator, Region 8
6274 East Avon-Lima Road, Avon, NY 14414, telephone: (585)226-5392.

General Condition 4: Permit Modifications, Suspensions and Revocations by the Department

The Department reserves the right to modify, suspend or revoke this permit in accordance with 6 NYCRR Part 621. The grounds for modification, suspension or revocation include:

a) materially false or inaccurate statements in the permit application or supporting papers;
b) failure by the permittee to comply with any terms or conditions of the permit;
c) exceeding the scope of the project as described in the permit application;
d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

ADDITIONAL GENERAL CONDITIONS FOR ARTICLE 27 (Title 7, Ontario County Sanitary Landfill)

5. All activities authorized by this permit must be in strict conformance with the approved plans submitted by the applicant or his agent as part of the permit application. Such approved plans were prepared by Wehran Engineering, Fagan Engineers & Barton & Loguidice, P.C.

SPECIAL CONDITIONS

I. GENERAL APPLICABILITY

1. Phase III of this facility will be constructed and utilized in multiple stages over the life of this facility. Prior to the construction of any particular stage, the permittee must submit plans and specifications to the Department. Construction of a particular stage may commence only with the expressed written approval of the Department.

2. A variance from the landfill construction provisions set forth in Section 360-2.13(d) requiring the maintenance of a minimum separation of five feet between the base of the constructed liner system and the seasonal high groundwater table is granted.

3. Unless expressly authorized in writing or unless modified by conditions of any permit issued by the Department of Environmental Conservation (the "Department"), all work will be carried out in strict conformance with the plans, specifications, and reports submitted as part of the application for this permit. Those materials include:

   (a) Permit applications dated March 9, 1987, January 26, 1995;

   (b) Engineering report revised December 1988, January 1995, March 1999;

   (c) Plans;

   - Phase III Development - November 1986, Revised December 18, 1988 (Sheets 1-14)

   - Phase III, Stage 1 Development - June 1989 (Sheets 1-16)

   - Revision to Pore Water Drain - January 1990

   - Phase III, Stage 2 Construction Drawings - March 1995, February 1997;

   -Phase III, Stages 3, 4,, and 5 Construction Drawings-March 1999;

   -Phase III Expansion, Stages IV through VII Site Plans- January 2003;

-Phase III Expansion, Stage IV Liner Extension Plans, Supplemental Engineering Calculations, and Contract Documents and Specifications prepared by Barton & Loguidice, P.C. dated April 2004;

-Supplemental Hydrogeologic Investigation Report for the Ontario County Phase III Sanitary Landfill Expansion, prepared by Barton & Loguidice, P.C. dated April 2004;

-Phase III Permit Modification Plans and Emergency Report, dated Feb. 2005.

(d) Operation and Maintenance Reports dated May 1992 and January 1995, June 1999, and January 2003;

(e) Contingency Plans dated February 1999, June 1999 and January 2003;

(f) Revised Environmental Monitoring Plan (EMP), and Revised Site Analytical Plan (SAP), respectively, to be submitted in accordance with this Permit;

(g) Landscape Plan dated January 1995;

(h) Quality Assurance/Quality Control Plans dated July 1992, January 1995, February 1999;

(i) Closure/Post Closure Plans dated August 1992, January 1995 and January 2003;

(j) Recycling Plan dated December 1988 as revised April 1989;

(k) Financial Assurance Plan dated June 1999, and to be revised by July 15, 2004.

In any instance in which the above approved documents conflict with the requirements of Part 360, the more stringent shall apply.

4. The Permittee shall comply with all conditions of this permit and 6 NYCRR Part 360. Non-compliance constitutes a violation of ECL Article 27, Title 7 and is grounds for enforcement action, permit suspension, revocation, or modification, or denial of a permit renewal or modification application.

5. The Permittee must maintain a copy of all application materials, plans, reports, permits, and the Final Environmental Impact Statement at the site and make these documents available to any representative of the Department. The Permittee must also maintain a copy of all written approvals and directives in a like manner, together with a copy of the effective Part 360.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPECIAL CONDITIONS

For Article 27 (Title 7, Ontario County Landfill)

6. Unless otherwise specified by the Department, three copies of all plans, reports, or other submissions related to the design, construction, operation, or monitoring of this facility must be submitted to: Regional Solid & Hazardous Materials Engineer, NYS Department of Environmental Conservation, 6274 East Avon-Lima Road, Avon, NY 14414.

7. Unless otherwise specified in this permit, any approval required must be obtained in writing from the Region 8 Regional Solid & Hazardous Materials Engineer.

8. In the event a Department representative makes a determination that the Permittee is in non-compliance with any provision of the Environmental Conservation Law, or with any regulation promulgated thereunder or any provision of this permit or any judicial or administrative order applicable to the facility, the Permittee must, upon receipt of written or oral Notice of Non-Compliance from the Department, immediately take such steps as are necessary to correct, abate, or remediate the non-complying condition. When oral notice is given, the Department will provide a confirming written Notice of Non-Compliance. To the extent feasible, the Permittee must consult with the Department regarding the selection and implementation of such remedial measures. Any instance of non-compliance, together with the responsive measures and results of such remedial measures, must be recorded in writing by the Permittee, and submitted to the Department. Failure to do so shall constitute non-compliance with this permit.

9. The Permittee shall take all steps to minimize or correct any adverse impact on human health or the environment resulting from facility operations. The Permittee shall report any such activity which may endanger human health or the environment to the DEC Region 8 Regional Solid Waste Engineer. Any such information shall be reported orally within 24 hours from the time the Permittee becomes aware of the circumstances and followed up in writing within seven days.

10. The Permittee shall allow any authorized representative of the Department upon the presentation of proper credentials, to:

    (a) Have access to and copy any records that must be kept under the conditions of this permit or Part 360;

    (b) Enter and inspect any buildings, facilities, equipment(including monitoring and control equipment),practices, or operations regulated or required under this permit; and

    (c) Sample or monitor for the purpose of assuring permit compliance or as otherwise authorized by the ECL or any applicable law, regulation, permit or Order, any substances or parameters at any location.

SPECIAL CONDITIONS

For Article 27 (Title 7, Ontario County Landfill)

11. The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.

12. The provisions of this permit shall not be construed to limit the Department's authority as otherwise established by law or regulation.

13. The account to fund the Environmental Monitor(s) as established under permit #8-3244-00004/00001-0 shall continue as follows:

    (a) Funds as required to support the monitoring requirements shall be provided to the Department for funding of environmental compliance activities related to the operation of Permittee's Facility. This sum is based on annual Environmental Monitor service costs and is subject to annual revision. Subsequent annual payments shall be made for the duration of this Permit to maintain an account balance sufficient to meet the next year's anticipated expenses. The permittee shall be billed annually for each fiscal year beginning April 1, 2004.

    (b) The Department may revise the required payment on an annual basis to include all costs of monitoring to the Department. The annual revision may take into account factors such as inflation, salary increases, changes in operating hours and procedures and the need for additional Environmental Monitors and supervision of such Environmental Monitors by full-time Environmental Monitor supervisors. Upon written request by the Permittee, the Department shall provide that entity with a written explanation of the basis for any modification. If such a revision is required, the Department will notify the Permittee of such a revision no later than 60 days in advance of any such revision.

    (c) Prior to making its annual payment, the Permittee will receive and have an opportunity to review an annual work plan that the Department will undertake during the year.

    (d) Payments are to be in advance of the period in which they will be expended.

II. CONSTRUCTION

14. Not less than 30 days prior to the commencement of the construction of future stages of the landfill, the Permittee must submit to the Department for its review and approval, detailed construction plans and technical specifications for that phase.

15. Written notice of the commencement of all major portions of on-site construction activities must be provided not less than five (5) business days in advance of the activity.

For Article 27 (Title 7, Ontario County Landfill)

These activities include, but are not limited to, clearing and grading, placement of the liner for any large section, all on-site permeability and/or density testing activities, and construction of any section of permanent final cover.

16. Open burning of land clearing materials and debris (including trees, shrubs, and brush) is prohibited. Merchantable timber must be salvaged for commercial use. Toppings, brush, and slash must be chipped and beneficially used on or off-site. Tree stumps may be chipped or buried in the landfill.

17. Upon commencement of construction, the Permittee must submit by the fifteenth (15th) of each month, a written progress report to the Department which summarizes construction activities undertaken during the preceding month.

18. The Department must be notified immediately in case of any development during construction that warrants a request to modify the approved engineering plans. Deviation from the approved plans without the specific prior written approval of the Department will constitute a violation of this permit. All deviations must be noted in the engineer's daily reports and monthly summaries.

19. All construction at the landfill site shall be under the supervision of a person licensed to practice professional engineering in the State of New York. This requires that a representative of your engineering consultant be present whenever construction is on-going. This representative must maintain a daily log indicating work done that day, weather conditions, testing performed, quality control, quality assurance practices, problems encountered, and remedial activities undertaken to correct these problems. A copy of this log, must be submitted with the construction certification for each cell. One copy of the certification with original signatures and stamped by the licensed engineer must indicate whether all work performed was in compliance with this permit and the approved engineering plans and reports and must be submitted within three (3) months after completion of construction. Clear color photographs of major project aspects, day reports and results of all tests conducted to determine compliance shall also be included as part of the certification. As-built engineering plans must also be certified containing at least the following:

    (a) notation of any deviations from the approved plans and reports;

    (b) completed sub-base elevations;

    (c) completed liner elevations; both primary liner and secondary liner;

    (d) location and critical elevations of leachate collection lines, leak detection lines, the top and bottom of the groundwater drainage blanket, valve pits, tanks, pond,

containment berm, manholes, etc.

(e) final drainage features;

(f) locations, both existing and proposed, of all monitoring devices;

Written approval by this Department of the construction certification report is necessary before any solid waste can be placed in the newly constructed areas.

20. Prior to and during any construction, adequate measures shall be taken to prevent siltation of surface waters both on and adjacent to the site.

21. Prior to excavation and construction of each cell, bench marks shall be located for determining elevations as filling progresses. Permanent bench marks shall be established for each stage. The location shall be noted on the "As-built" drawings. Elevations for permanent bench marks shall be taken from an existing U. S. Geological Survey benchmark. New York Transverse Mercator (NYTM) coordinates must be established for each permanent benchmark.

22. All boreholes, test pits wells and monitoring devices found within the proposed fill area shall be properly abandoned by overboring, grouting using a tremie method or similar downhole pressure grouting system and cement-bentonite grout to ensure that all contaminant migration pathways are sealed. Casings shall be removed. This activity must be noted as accomplished in the construction certification report.

23. Should any leachate enter by migration, spill or other means any stage which has not yet received refuse, all fluid within that cell shall be removed and treated as leachate. When the leachate is first detected in any stage, all stormwater drainage or pumping shall cease immediately.

III LANDFILL OPERATION

24. The following wastes shall not be disposed of at this facility:

(a) waste identified in 6 NYCRR Part 360-1.5(b);

(b) any empty drum or any container which has held hazardous waste and is not empty according to 40 CFR 261.7(a)(3); Containers of 5 gallons capacity or larger shall not be disposed at this facility unless the ends have been cut off and the containers have been crushed;

(c) any regulated medical waste which has not been treated in accordance with the requirements of 6NYCRR Subpart 60-17 or 10NYCRR Subpart 10-3;

For Article 27 (Title 7, Ontario County Landfill)

(d) waste tires unless the tires have been shredded or, as a minimum, cut in half around the circumference;

(e) leaves, grass clippings, stumps, brush, trees, and other yard waste;

(f) any industrial or commercial liquids, sludges, or slurries, which are less than 20 percent solids and/or contain free liquids;

(g) any waste(s) regulated by 6 NYCRR Part 364 unless the waste hauler possesses a valid Part 364 permit which specifies this landfill as a disposal site for such waste(s), disposal of such waste has been approved by the Permittee in writing and a copy of the written approval has been forwarded to the Region 8 Regional Solid Waste Engineer within seven (7) calendar days of such approval.

25. The approved design capacity for this landfill is 2999 tons/day. This threshold is a daily average and is based on the quantity of solid wastes accepted at the landfill during a calendar year, however during no calendar quarter shall the daily average exceed 4499 tons per day. Solid wastes that have been approved for use as alternate daily cover or other approved beneficial uses are not included in this limit as long as they are actually being used as approved. By no later than the fifteenth day of each month, the permittee shall report in writing to the Region 8 Regional Solid & Hazardous Materials Engineer, the total amount of solid waste disposed at the facility during the previous month, the number of days of operation, and the amount of BUD cover wastes received.

26. Operation, including the placement of daily cover, at this facility shall be limited to the following:

Monday thru Friday	6:00 a.m. to 6:30 p.m.
Saturday	6:00 a.m. to 3:00 p.m.
Saturday following holiday*	6:00 a.m. to 6:30 p.m.

*Holiday shall include New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving and Christmas.

Construction and operation activities are prohibited on the following Federal/State holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving and Christmas.

SPECIAL CONDITIONS

For Article 27 (Title 7, Ontario County Landfill)

27. During the placement of the first lift of waste above the primary leachate collection and removal system, the following precautions and practices will be observed:

    (a) consideration for the approach and travel of haul trucks and other landfill operation vehicles relative to the location of the liner and leachate collection laterals.

    (b) waste placement must be kept away from the top of the berms to allow for proper leachate control and effective future placement of final cover. Identification markers may be used along the berms with specific setback distances for waste placement.

    (c) Placement of a select type refuse being free of demolition debris, large metal wastes, long items such as poles, piping and bulky wastes in general, and shall be placed in a minimum lift thickness of at least 5 feet above the leachate collection and removal system.

    (d) Prior to placing any solid waste in an area when the waste could come into contact with the side slope, the permittee shall ensure that 24 inches of drainage blanket is in-place, in accordance with the approved plans. The protective layer over the synthetic liner will be placed and maintained at least 10-feet in advance of waste placement.

28. Radio communication between the landfill office and the working face shall be provided at all times during operating hours.

29. All structures, including the leachate collection and removal system, groundwater and gas monitoring wells, access roads, drainage structures, etc., shall be maintained in proper working order. In the event any structure becomes damaged or malfunctions in any way, the Permittee shall notify the Department verbally within 24-hours and follow up in writing within 7 days, and shall promptly replace or repair the structure. All monitoring wells (groundwater and gas) shall be fitted with locking caps and locked at all times other than during times of sampling.

30. All wastes received at the disposal site must be spread and compacted in layers not more than two (2) feet thick upon deposition at the working face, excepting the first lift placed on the liner system.

31. The Permittee shall require that all vehicles delivering waste or cover material to the site be enclosed or covered or their contents secured.

SPECIAL CONDITIONS

For Article 27 (Title 7, Ontario County Landfill)

32. On-site roads used to transport solid wastes shall be maintained passable and safe at all times. No penetrating or waste oils shall be used for dust control.

33. Wind-blown paper and other litter shall be confined to the disposal area by snow fence, portable screens, natural screening, or any other necessary devices. The Permittee shall police wind-blown paper and litter along the landfill's perimeter as necessary and at least once a week.

34. The entire site shall be routinely inspected for rodent activity. The rodent control programs described in the Contingency Plan shall be implemented to effectively control vectors at the landfill.

35. Silt shall be removed from the siltation ponds on an as needed basis during the driest season of the year. At all times, a minimum sediment storage shall be capable of accommodating a 25-year storm. Silt shall not be removed between October 15 and May 15.

36. Daily, intermediate, and final cover must be applied as required by Part 360.

37. Cover soil and drainage control structures must be designed, graded and maintained to prevent ponding and erosion and to minimize infiltration of water into the solid waste cells.

38. All sludges and chemical, industrial, commercial, food, or power plant wastes must be reviewed by the permittee before accepting these wastes for disposal at this facility. All records relating to the disposal of these wastes at this facility shall be made available to the Department during inspections. Copies of all waste stream applications or requests for disposal of wastes must be stored at the landfill site and must be made available for inspection by Department staff.

IV. LEACHATE CONTROL

39. Any leachate on the ground shall immediately be contained and removed either by pumping or by utilizing spill cleanup procedures such as absorbent pads. Leachate and leachate spill debris must be disposed of at authorized facilities approved by the Department.

SPECIAL CONDITIONS

For Article 27 (Title 7, Ontario County Landfill)

40. A weekly visual inspection shall be conducted by the operator on the non-perforated main leachate collection lines, force mains and manholes. If leachate is being carried in the outer pipe or if there is evidence of plugging, DEC must be notified verbally within 24-hours, followed up in writing within 7 days and corrective measures implemented promptly. The dates and results of all inspections shall be included in the Annual Report.

41. The Permittee shall maintain a contingency plan which shall identify the alternative leachate treatment and disposal methods that will be employed in the case of: malfunction of the existing leachate treatment/disposal system; inadequate system capacity to manage short-term increased leachate volumes; and/or the leachate is not acceptable to the existing wastewater treatment plant. Should any element of the contingency plan become unavailable, or inoperative, a revised plan shall be submitted, subject to Department approval within 60 days.

42. The Permittee shall inspect the primary and secondary leachate collection (leak detection) and removal system bi-weekly and pump stations weekly. Should the defined action leakage rate levels (20 gallons per acre per day) be exceeded, or groundwater monitoring wells indicate significant increases in contaminant levels above established background, the Permittee will notify the Department verbally within 24-hours and follow-up within seven (7) days in writing and immediately initiate the appropriate actions as defined in the contingency plan. A standard report form shall be initiated by the landfill operator indicating the time, date and result of these field inspections (including the results of any tests which might be performed to determine the nature of detected fluids (i.e., specific conductivity, pH, and temperature) and submit them to the Department as part of the Annual Report.

43. The primary leachate collection and removal system shall be flushed at least annually to maintain an unobstructed and free draining collection system. Should the leachate collection and removal system's efficiency be found to be impaired, then remedial cleaning operations shall be conducted with written notification of such activity given to the Department prior to the commencement of cleaning. The annual flushing shall be accomplished using a high pressure hose through the entire length of each collection pipe and header pipe of the primary leachate collection system.

44. Under no circumstances shall leachate be discharged directly or indirectly from the site to surface waters or groundwaters. Leachate recirculation may be conducted provided that the construction and operation is in conformance with plans and specifications that have been approved by the Region 8 Regional Solid & Hazardous Materials Engineer.

For Article 27 (Title 7, Ontario County Landfill)

45. Adequate leachate storage must be available to meet the leachate collection needs of the facility throughout the operational and post-closure maintenance periods. A log of all visual inspections of facility structures must be maintained at the site. At a minimum, the log must detail the date, time, inspector, visual observations, problems, and any corrective actions taken.

46. Leachate removed from the facility shall be by a hauler in possession of a valid Part 364 permit, authorizing such hauler to haul leachate from the facility to a specified disposal site approved by the Department.

47. If refuse is deposited within a cell located on top of an area which has received intermediate cover, a portion of the intermediate soil cover shall be removed from the area to be filled so as to adequately allow leachate to reach the leachate collection system.

48. A log of the visual inspections of the leachate collection system must be maintained at the site. At a minimum, the log must detail: date, time, inspector, visual observations, problems, and any corrective actions taken. If any part of the leachate collection system becomes damaged or malfunctions, the Permittee must notify the Department verbally within 24-hours, and follow up in writing within 7 days, and must promptly repair or replace the damaged structure, or undertake other remedial action as authorized by the Department.

V. ANNUAL REPORTING

49. Annual reporting will include, but not be limited to, the items listed in this condition and shall be submitted to the Department no later than March 1 of each year. This report must detail:

(a) The total quantity of solid waste disposed of, in tons, for the calendar year from January 1st to December 31. This information must be compiled by waste type such as refuse, sludge, construction and demolition, non-hazardous commercial waste, or other types of solid waste by County (and State, if origin is out of New York State) of origin. All wastes received at the facility shall be measured by weight. These measurements shall be recorded on a daily basis. These records shall be maintained for the life of the facility.

(b) The remaining site life in years and remaining capacity in cubic yards of the existing constructed landfill.

(c) An evaluation of all water and leachate quality data collected throughout the year. The Department may request at any time that this information be provided in a computer-compatible format to be specified by the Department.

For Article 27 (Title 7, Ontario County Landfill)

(d) An evaluation of gas monitoring and control systems, including a narrative description of proposed or actual changes to these systems.

(e) The quantity of leachate collected, treated and disposed of on a monthly basis.

(f) The quantity of leachate collected in the secondary leachate collection/leak detection and removal system. This must be compiled on a monthly basis to assess primary liner system performance. These figures should compare to the action leakage rates.

(g) A revised site plan with 5-foot contours of the fill area reflecting the extent of the previous year's fill progression and the proposed fill progression for the next year.

(h) Any proposed changes from the approved reports, plans, and specifications or permit conditions must be listed with justification for each change given. No change shall be effective until written approval is received from the Department.

(i) An annual summary of each type of recycled material collected from each municipality.

(j) An updated Financial Assurance Report.

VI. RECYCLING

50. Annual reports shall be submitted to the Department by March 1 of each year for the previous calendar year. This report must include the following information:

(a) the activities the County has completed or that were in progress for the period of time covered by the report and what measures were taken to improve the program's recycling recovery rate (i.e., the participation rate, each participant's separation efficiency, the percent of the waste stream that is recyclable and the system's efficiency);

(b) the total solid waste percentages, and the actual percentages and tonnages of recyclables removed from the waste stream for each type of recyclable. This break down shall be tabulated for each municipality. These totals shall be compared to the projected recovery rates contained within the Department approved Comprehensive Recycling Analysis and any Department approved revisions or updates and the results of that comparison discussed.

If the originally projected recovery rates have not been met, an explanation shall be provided with a plan to address currently feasible strategies to achieve the projected recovery rates; and an analysis of what markets then exist for specific components of the nonhazardous solid waste stream generated within the service area which are not currently being recycled; and the Permittee must conduct a review of developing technologies that may result in the creation or enhancement of economic markets for those components of the waste stream not required to be separated at the time of analysis. This section shall indicate the specific materials which will be added to the list of components which must be source separated as part of the County's recyclables recovery program and provide detailed market justifications for those materials not added to the list of materials to be source separated.

51. The Permittee shall ensure that the recyclable recovery program is implemented in accordance with the time frames indicated in the Department approved Ontario County Comprehensive Recycling Analysis and any Department approved revisions or updates to this document. Any significant revisions made to the program and/or the schedule shall be submitted to the Department for review and approval. If the Department does not issue a written response within thirty (30) days, such changes shall be deemed to be approved.

52. The County must not discontinue the source separation and collection of any or all of the recyclables collected as part of the recyclables recovery program unless, as to the particular recyclable in question, the County determines that there is no economic market (as that term is defined in General Municipal Law 120-aa) for the material.
The Permittee may only determine that an economic market does not exist for any waste stream by:

(a) preparing a report substantiating that no economic market exists for recycling such component; and

(b) contacting the Department of Economic Development, Office of Recycling Market Development, 111 East Avenue, Suite 220, Rochester, New York 14604; telephone number: (716)-325-1944, to seek their assistance in locating an economic market for the subject component and providing documentation of their efforts and final results;

(c) issuing a determination of lack of existence of an economic market for such component, and publishing notice of such determination and the report's availability in a newspaper having general circulation within the County; and

For Article 27 (Title 7, Ontario County Landfill)

(d) submitting three copies of the report and determination to the Department for review and receiving Department approval.

The Permittee's determination of lack of an economic market will remain in effect until the Permittee determines that an economic market for such component exists or for six (6) months, whichever is less.

VII. CLOSURE/POST-CLOSURE

54. The Permittee shall notify the Department whenever changes in operating plans, waste deposition rates, facility design, or events occurring during the active life of the landfill change the projected final closure date by more than Twelve (12) months. The notice shall be submitted in writing to the Department within sixty (60) days of such changes in Permittee's plans, deposition rates, design, or events at the landfill. All proposed amendments shall be subject to the Department's approval and shall not be effective unless said approval is received in writing.

55. Twelve months before the date at which the landfill will cease accepting waste, the Permittee shall submit a Scope of Work which shall include: 1) a site investigation plan and 2) a schedule of all tasks required to implement a closure in conformance with the regulations expected to be effective at the time of closure. The schedule shall be in agreement with the final closure date set forth in the permit. The facility shall be maintained for a period of no less than thirty years beyond the placement of final cover.

56. A permanent grass or ground cover crop must be established and maintained on all exposed final cover soil within sixty (60) days after placement.

57. Final cover integrity, slopes, cover vegetation, drainage structures, leachate collection and removal structures established pursuant to this permit shall be maintained for a minimum period of thirty (30) years beyond the date of the placement of final cover, or for as long as leachate is produced at this facility, whichever is longer.

VIII FUTURE SUBMISSIONS

58. The revisions to the following plans and reports shall be submitted by the Permittee no later than July 31, 2004. Department approval must be obtained by August 30, 2004.

    1. Environmental Monitoring Plan (EMP) in accordance with 6NYCRR Part 360-2.11(c);

    2. Site Analytical Plan (SAP) in accordance with 6NYCRR Part 360-2.11(d).

SPECIAL CONDITIONS

For Article 27 (Title 7, Ontario County Landfill)

IX. ENVIRONMENTAL MONITORING

59. Groundwater, surface water, and leachate sampling methodologies and analyses of samples must be performed in accordance with the Analytical Services Protocol developed by New York State Department of Environmental Conservation dated September 1989 or as otherwise acceptable to the Department.

60. The groundwater suppression system shall be monitored annually in accordance with the approved Environmental Monitoring Plan through the operational, closure, and post-closure periods of this facility, or for as long as leachate is produced, whichever is longer. If leachate is detected in any zone of the leak detection system, then sampling frequency of the groundwater suppression system shall be increased to quarterly.

61. To allow the Department an opportunity to split samples, notification no later than 30 days in advance planned of sampling events shall be submitted to the Region 8 Regional Solid & Hazardous Materials Engineer, for each quarter of the operational, closure, and post-closure maintenance periods of this facility.

62. A leachate monitoring program shall be established in accordance with 6 NYCRR Part 360-2.11(c)(3) and the approved Environmental Monitoring Plan.

63. The frequency of analysis, location of sampling points, and parameters to be analyzed for shall be in accordance with the Environmental Monitoring Plan.

64. This approval does not relieve the applicant of the responsibility of complying with any applicable Federal, State, or local ordinances, regulations, or laws.

65. A noise monitoring program shall be implemented at the landfill site to demonstrate compliance with 6 NYCRR Part 360-1.14(p). An amendment to the approved Environmental Monitoring Plan that addresses noise monitoring at the site shall be submitted for Department approval no later than November 1, 2007. All noise monitoring shall be in conformance with the Department approved amendment.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

PART 364
WASTE TRANSPORTER PERMIT NO. 6A-058

Pursuant to Article 27,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

WASTE STREAM, INC./DBA CASELLA WASTE SERVICE
472 WEST PARISHVILLE ROAD
POTSDAM, NY 13676

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

CONTACT NAME: CHESTER BISNETT
COUNTY: ST. LAWRENCE
TELEPHONE NO: (315)265-3860

EFFECTIVE DATE: 09/14/2010
EXPIRATION DATE: **06/30/2011**
US EPA ID NUMBER:

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY:
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)
CLINTON COUNTY LANDFILL	MORRISONVILLE , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil
CRAIG JESMER FARM	DICKINSON CENTER , NY	Non-Hazardous Industrial/Commercial
DEVELOPMENT AUTHORITY OF NORTH COUNTRY	RODMAN , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant
Franklin County Regional Landfill	Constable , NY	Non-Hazardous Industrial/Commercial Waste Tires Asbestos Petroleum Contaminated Soil
GILBERT FARM FACILITY	POTSDAM , NY	Sludge from Sewage or Water Supply Treatment Plant
GOUVERNEUR TRANSFER STATION	GOUVERNEUR , NY	Non-Hazardous Industrial/Commercial
K&S Tires	Williamstown , NY	Waste Tires
KEITH PROSPER FARM	DICKINSON CENTER , NY	Non-Hazardous Industrial/Commercial
LAFARGE CANADA, INC.	ST CONSTANT , QC	Non-Hazardous Industrial/Commercial Waste Tires
MASSON COMPOSE DE QUEBEC-QCM	LANGE GARDEN , QC	Sludge from Sewage or Water Supply Treatment Plant
ONEIDA-HERKIMER REGIONAL LANDFILL	BOONVILLE , NY	Non-Hazardous Industrial/Commercial Asbestos

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS: New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7253

AUTHORIZED SIGNATURE: _____ Date: 9/14/2010

ATTACHMENT # B

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

PART 364
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CRAIG JESMER FARM	DICKINSON CENTER , NY	Non-Hazardous Industrial/Commercial
DEVELOPMENT AUTHORITY OF NORTH COUNTRY	RODMAN , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant
Franklin County Regional Landfill	Constable , NY	Non-Hazardous Industrial/Commercial Waste Tires Asbestos Petroleum Contaminated Soil
GILBERT FARM FACILITY	POTSDAM , NY	Sludge from Sewage or Water Supply Treatment Plant
GOUVERNEUR TRANSFER STATION	GOUVERNEUR , NY	Non-Hazardous Industrial/Commercial
K&S Tires	Williamstown , NY	Waste Tires
KEITH PROSPER FARM	DICKINSON CENTER , NY	Non-Hazardous Industrial/Commercial
LAFARGE CANADA, INC.	ST CONSTANT , QC	Non-Hazardous Industrial/Commercial Waste Tires
MASSON COMPOSE DE QUEBEC-QCM	LANGE GARDEN , QC	Sludge from Sewage or Water Supply Treatment Plant
ONEIDA-HERKIMER REGIONAL LANDFILL	BOONVILLE , NY	Non-Hazardous Industrial/Commercial Asbestos

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS: New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7253

AUTHORIZED SIGNATURE: [signature] Date: 9/14/2010

ATTACHMENT # B

Attachment A

EMPLOYEE ACKNOWLEDGEMENT

I acknowledge that I have reviewed the information in this Site Specific Project Work Plan for PCB/ACM abatement activities at the former General Motors Plant in Massena, N.Y. I understand the site hazards as described and agree to comply with the contents of this Plan.

EMPLOYEE NAME (print)	SIGNATURE	COMPANY	DATE

PART 364
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AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)
ONEIDA-HERKIMER REGIONAL LANDFILL	BOONVILLE , NY	Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant
ONTARIO COUNTY LANDFILL	STANLEY , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil
POTSDAM WWTP	POTSDAM , NY	Non-Hazardous Industrial/Commercial
WATERTOWN PCP	WATERTOWN , NY	Non-Residential Raw Sewage or Sewage-Contaminated Wastes

ATTACHMENT # B

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

PART 364
WASTE TRANSPORTER PERMIT NO. 6A-058

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CONTACT NAME: CHESTER BISNETT
COUNTY: ST. LAWRENCE
TELEPHONE NO: (315)265-3860

EFFECTIVE DATE: 09/14/2010
EXPIRATION DATE: 06/30/2011
US EPA ID NUMBER:

AUTHORIZED VEHICLES:
The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:
(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

25 (Twenty Five) Permitted Vehicle(s)

NY 31505JX
NY 44449JZ
NY 52740PA
NY 62578PA
NY 74776KA
NY 80799JV
NY 86396JZ
NY 99920JR
NY 99921JR
NY AD26069
NY AD26187
NY AD26400
NY AD26408
NY AD73836
NY AK80474
NY AK81004
NY AN51551
NY AP71044
NY AR46157
NY AR47496
NY AT64648
NY AU24456
NY AV13191
NY AW39204
NY AW86978
End of List

ATTACHMENT # B

ATTACHMENT C

PERMIT NUMBER 8-3244-00004/00001-0	PERMIT Under the Environmental Conservation Law (ECL)	EFFECTIVE DATE 01/21/2005
FACILITY/PROGRAM NUMBER(S) 35S11		Modified: 11/25/05, 10/9/07 EXPIRATION DATE(S) 01/20/2015

TYPE OF PERMIT ☐ NEW X Renewal ☐ Modification X Permit to Construct X Permit to Operate

☐ Article 15, Title 5: Protection of Waters

☐ Article 15, Title 15: Water Supply

☐ Article 15, Title 15: Water Transport

☐ Article 15, Title 15: Long Island Wells

☐ Article 15, Title 27: Wild, Scenic and Recreational Rivers

☐ 6NYCRR 608: Water Quality Certification

☐ Article 17, Titles 7, 8: SPDES

☐ Article 19: Air Pollution Control

☐ Article 23, Title 27: Mined Land Reclamation

☐ Article 24: Freshwater Wetlands

☐ Article 25: Tidal Wetlands

X Article 27, Title 7; 6NYCRR 360: Solid Waste Management

☐ Article 27, Title 9; 6NYCRR 373: Hazardous Waste Management

☐ Article 34: Coastal Erosion Management

☐ Articles 1, 3, 17, 19, 27, 37; NYCRR 380: Radiation Control

☐ Other:

PERMIT ISSUED TO Ontario County Department of Solid Waste			TELEPHONE NUMBER (585) 396-4482
ADDRESS OF PERMITTEE 3019 County Complex Drive, Canandaigua, NY 14424			
CONTACT PERSON FOR PERMITTED WORK Geoff Astles (Ontario County)/ Jerry Leone(Casella Waste Management)			TELEPHONE NUMBER (585) 396-4400 / (585) 526-4420
NAME AND ADDRESS OF PROJECT/FACILITY Ontario County Landfill, 3555 Post Farm Road, Stanley, NY 14561			
LOCATION OF PROJECT/FACILITY south side of Route 5 & 20, just west of the intersection of County Road 5			
COUNTY Ontario	TOWN Seneca	WATERCOURSE Water Body:	NYTM COORDINATES E:0330000 N:4746830
DESCRIPTION OF AUTHORIZED ACTIVITY:			
Construction and Operation of Mixed Solid Waste Landfill with an approved design capacity of 2999 tons per day. Casella Waste Management is the present operator of the facility under a long-term lease agreement with Ontario County.			

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified (see page 2) and any Special Conditions included as part of this permit.

PERMIT ADMINISTRATOR: Kimberely Merchant	ADDRESS 6274 E. Avon-Lima Rd, Avon, NY 14414		
AUTHORIZED SIGNATURE Kimberly Merchant		DATE 10/9/07	Page 1 of 17

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

GENERAL CONDITIONS

General Condition 1: Facility Inspection by the Department

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

General Condition 2: Relationship of this Permit to Other Department Orders and Determinations

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

General Condition 3: Applications for Permit Renewals or Modifications

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

The permittee must submit a renewal application at least:

a) 180 days before expiration of permits for State Pollutant Discharge Elimination System (SPDES), Hazardous Waste Management Facilities (HWMF), major Air Pollution Control (APC) and Solid Waste Management Facilities (SWMF); and
b) 30 days before expiration of all other permit types.

Submission of applications for permit renewal or modification are to be submitted to:

NYSDEC Regional Permit Administrator, Region 8
6274 East Avon-Lima Road, Avon, NY 14414, telephone: (585)226-5392.

General Condition 4: Permit Modifications, Suspensions and Revocations by the Department

The Department reserves the right to modify, suspend or revoke this permit in accordance with 6 NYCRR Part 621. The grounds for modification, suspension or revocation include:

a) materially false or inaccurate statements in the permit application or supporting papers;
b) failure by the permittee to comply with any terms or conditions of the permit;
c) exceeding the scope of the project as described in the permit application;
d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

ADDITIONAL GENERAL CONDITIONS FOR ARTICLE 27 (Title 7, Ontario County Sanitary Landfill)

5. All activities authorized by this permit must be in strict conformance with the approved plans submitted by the applicant or his agent as part of the permit application. Such approved plans were prepared by Wehran Engineering, Fagan Engineers & Barton & Loguidice, P.C.

SPECIAL CONDITIONS

I. GENERAL APPLICABILITY

1. Phase III of this facility will be constructed and utilized in multiple stages over the life of this facility. Prior to the construction of any particular stage, the permittee must submit plans and specifications to the Department. Construction of a particular stage may commence only with the expressed written approval of the Department.

2. A variance from the landfill construction provisions set forth in Section 360-2.13(d) requiring the maintenance of a minimum separation of five feet between the base of the constructed liner system and the seasonal high groundwater table is granted.

3. Unless expressly authorized in writing or unless modified by conditions of any permit issued by the Department of Environmental Conservation (the "Department"), all work will be carried out in strict conformance with the plans, specifications, and reports submitted as part of the application for this permit. Those materials include:

(a) Permit applications dated March 9, 1987, January 26, 1995;

(b) Engineering report revised December 1988, January 1995, March 1999;

(c) Plans;

- Phase III Development - November 1986, Revised December 18, 1988 (Sheets 1-14)

- Phase III, Stage 1 Development - June 1989 (Sheets 1-16)

- Revision to Pore Water Drain - January 1990

- Phase III, Stage 2 Construction Drawings - March 1995, February 1997;

-Phase III, Stages 3, 4,, and 5 Construction Drawings-March 1999;

-Phase III Expansion, Stages IV through VII Site Plans- January 2003;

-Phase III Expansion, Stage IV Liner Extension Plans, Supplemental Engineering Calculations, and Contract Documents and Specifications prepared by Barton & Loguidice, P.C. dated April 2004;

-Supplemental Hydrogeologic Investigation Report for the Ontario County Phase III Sanitary Landfill Expansion, prepared by Barton & Loguidice, P.C. dated April 2004;

-Phase III Permit Modification Plans and Emergency Report, dated Feb. 2005.

(d) Operation and Maintenance Reports dated May 1992 and January 1995, June 1999, and January 2003;

(e) Contingency Plans dated February 1999, June 1999 and January 2003;

(f) Revised Environmental Monitoring Plan (EMP), and Revised Site Analytical Plan (SAP), respectively, to be submitted in accordance with this Permit;

(g) Landscape Plan dated January 1995;

(h) Quality Assurance/Quality Control Plans dated July 1992, January 1995, February 1999;

(i) Closure/Post Closure Plans dated August 1992, January 1995 and January 2003;

(j) Recycling Plan dated December 1988 as revised April 1989;

(k) Financial Assurance Plan dated June 1999, and to be revised by July 15, 2004.

In any instance in which the above approved documents conflict with the requirements of Part 360, the more stringent shall apply.

4. The Permittee shall comply with all conditions of this permit and 6 NYCRR Part 360. Non-compliance constitutes a violation of ECL Article 27, Title 7 and is grounds for enforcement action, permit suspension, revocation, or modification, or denial of a permit renewal or modification application.

5. The Permittee must maintain a copy of all application materials, plans, reports, permits, and the Final Environmental Impact Statement at the site and make these documents available to any representative of the Department. The Permittee must also maintain a copy of all written approvals and directives in a like manner, together with a copy of the effective Part 360.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPECIAL CONDITIONS

For Article 27 (Title 7, Ontario County Landfill)

6. Unless otherwise specified by the Department, three copies of all plans, reports, or other submissions related to the design, construction, operation, or monitoring of this facility must be submitted to: Regional Solid & Hazardous Materials Engineer, NYS Department of Environmental Conservation, 6274 East Avon-Lima Road, Avon, NY 14414.

7. Unless otherwise specified in this permit, any approval required must be obtained in writing from the Region 8 Regional Solid & Hazardous Materials Engineer.

8. In the event a Department representative makes a determination that the Permittee is in non-compliance with any provision of the Environmental Conservation Law, or with any regulation promulgated thereunder or any provision of this permit or any judicial or administrative order applicable to the facility, the Permittee must, upon receipt of written or oral Notice of Non-Compliance from the Department, immediately take such steps as are necessary to correct, abate, or remediate the non-complying condition. When oral notice is given, the Department will provide a confirming written Notice of Non-Compliance. To the extent feasible, the Permittee must consult with the Department regarding the selection and implementation of such remedial measures. Any instance of non-compliance, together with the responsive measures and results of such remedial measures, must be recorded in writing by the Permittee, and submitted to the Department. Failure to do so shall constitute non-compliance with this permit.

9. The Permittee shall take all steps to minimize or correct any adverse impact on human health or the environment resulting from facility operations. The Permittee shall report any such activity which may endanger human health or the environment to the DEC Region 8 Regional Solid Waste Engineer. Any such information shall be reported orally within 24 hours from the time the Permittee becomes aware of the circumstances and followed up in writing within seven days.

10. The Permittee shall allow any authorized representative of the Department upon the presentation of proper credentials, to:

    (a) Have access to and copy any records that must be kept under the conditions of this permit or Part 360;

    (b) Enter and inspect any buildings, facilities, equipment(including monitoring and control equipment),practices, or operations regulated or required under this permit; and

    (c) Sample or monitor for the purpose of assuring permit compliance or as otherwise authorized by the ECL or any applicable law, regulation, permit or Order, any substances or parameters at any location.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPECIAL CONDITIONS

For Article 27 (Title 7, Ontario County Landfill)

11. The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.

12. The provisions of this permit shall not be construed to limit the Department's authority as otherwise established by law or regulation.

13. The account to fund the Environmental Monitor(s) as established under permit #8-3244-00004/00001-0 shall continue as follows:

    (a) Funds as required to support the monitoring requirements shall be provided to the Department for funding of environmental compliance activities related to the operation of Permittee's Facility. This sum is based on annual Environmental Monitor service costs and is subject to annual revision. Subsequent annual payments shall be made for the duration of this Permit to maintain an account balance sufficient to meet the next year's anticipated expenses. The permittee shall be billed annually for each fiscal year beginning April 1, 2004.

    (b) The Department may revise the required payment on an annual basis to include all costs of monitoring to the Department. The annual revision may take into account factors such as inflation, salary increases, changes in operating hours and procedures and the need for additional Environmental Monitors and supervision of such Environmental Monitors by full-time Environmental Monitor supervisors. Upon written request by the Permittee, the Department shall provide that entity with a written explanation of the basis for any modification. If such a revision is required, the Department will notify the Permittee of such a revision no later than 60 days in advance of any such revision.

    (c) Prior to making its annual payment, the Permittee will receive and have an opportunity to review an annual work plan that the Department will undertake during the year.

    (d) Payments are to be in advance of the period in which they will be expended.

II. CONSTRUCTION

14. Not less than 30 days prior to the commencement of the construction of future stages of the landfill, the Permittee must submit to the Department for its review and approval, detailed construction plans and technical specifications for that phase.

15. Written notice of the commencement of all major portions of on-site construction activities must be provided not less than five (5) business days in advance of the activity.

For Article 27 (Title 7, Ontario County Landfill)

These activities include, but are not limited to, clearing and grading, placement of the liner for any large section, all on-site permeability and/or density testing activities, and construction of any section of permanent final cover.

16. Open burning of land clearing materials and debris (including trees, shrubs, and brush) is prohibited. Merchantable timber must be salvaged for commercial use. Toppings, brush, and slash must be chipped and beneficially used on or off-site. Tree stumps may be chipped or buried in the landfill.

17. Upon commencement of construction, the Permittee must submit by the fifteenth (15th) of each month, a written progress report to the Department which summarizes construction activities undertaken during the preceding month.

18. The Department must be notified immediately in case of any development during construction that warrants a request to modify the approved engineering plans. Deviation from the approved plans without the specific prior written approval of the Department will constitute a violation of this permit. All deviations must be noted in the engineer's daily reports and monthly summaries.

19. All construction at the landfill site shall be under the supervision of a person licensed to practice professional engineering in the State of New York. This requires that a representative of your engineering consultant be present whenever construction is on-going. This representative must maintain a daily log indicating work done that day, weather conditions, testing performed, quality control, quality assurance practices, problems encountered, and remedial activities undertaken to correct these problems. A copy of this log, must be submitted with the construction certification for each cell. One copy of the certification with original signatures and stamped by the licensed engineer must indicate whether all work performed was in compliance with this permit and the approved engineering plans and reports and must be submitted within three (3) months after completion of construction. Clear color photographs of major project aspects, day reports and results of all tests conducted to determine compliance shall also be included as part of the certification. As-built engineering plans must also be certified containing at least the following:

(a) notation of any deviations from the approved plans and reports;

(b) completed sub-base elevations;

(c) completed liner elevations; both primary liner and secondary liner;

(d) location and critical elevations of leachate collection lines, leak detection lines, the top and bottom of the groundwater drainage blanket, valve pits, tanks, pond,

containment berm, manholes, etc.

(e) final drainage features;

(f) locations, both existing and proposed, of all monitoring devices;

Written approval by this Department of the construction certification report is necessary before any solid waste can be placed in the newly constructed areas.

20. Prior to and during any construction, adequate measures shall be taken to prevent siltation of surface waters both on and adjacent to the site.

21. Prior to excavation and construction of each cell, bench marks shall be located for determining elevations as filling progresses. Permanent bench marks shall be established for each stage. The location shall be noted on the "As-built" drawings. Elevations for permanent bench marks shall be taken from an existing U. S. Geological Survey benchmark. New York Transverse Mercator (NYTM) coordinates must be established for each permanent benchmark.

22. All boreholes, test pits wells and monitoring devices found within the proposed fill area shall be properly abandoned by overboring, grouting using a tremie method or similar downhole pressure grouting system and cement-bentonite grout to ensure that all contaminant migration pathways are sealed. Casings shall be removed. This activity must be noted as accomplished in the construction certification report.

23. Should any leachate enter by migration, spill or other means any stage which has not yet received refuse, all fluid within that cell shall be removed and treated as leachate. When the leachate is first detected in any stage, all stormwater drainage or pumping shall cease immediately.

III LANDFILL OPERATION

24. The following wastes shall not be disposed of at this facility:

(a) waste identified in 6 NYCRR Part 360-1.5(b);

(b) any empty drum or any container which has held hazardous waste and is not empty according to 40 CFR 261.7(a)(3); Containers of 5 gallons capacity or larger shall not be disposed at this facility unless the ends have been cut off and the containers have been crushed;

(c) any regulated medical waste which has not been treated in accordance with the requirements of 6NYCRR Subpart 60-17 or 10NYCRR Subpart 10-3;

For Article 27 (Title 7, Ontario County Landfill)

(d) waste tires unless the tires have been shredded or, as a minimum, cut in half around the circumference;

(e) leaves, grass clippings, stumps, brush, trees, and other yard waste;

(f) any industrial or commercial liquids, sludges, or slurries, which are less than 20 percent solids and/or contain free liquids;

(g) any waste(s) regulated by 6 NYCRR Part 364 unless the waste hauler possesses a valid Part 364 permit which specifies this landfill as a disposal site for such waste(s), disposal of such waste has been approved by the Permittee in writing and a copy of the written approval has been forwarded to the Region 8 Regional Solid Waste Engineer within seven (7) calendar days of such approval.

25. The approved design capacity for this landfill is 2999 tons/day. This threshold is a daily average and is based on the quantity of solid wastes accepted at the landfill during a calendar year, however during no calendar quarter shall the daily average exceed 4499 tons per day. Solid wastes that have been approved for use as alternate daily cover or other approved beneficial uses are not included in this limit as long as they are actually being used as approved. By no later than the fifteenth day of each month, the permittee shall report in writing to the Region 8 Regional Solid & Hazardous Materials Engineer, the total amount of solid waste disposed at the facility during the previous month, the number of days of operation, and the amount of BUD cover wastes received.

26. Operation, including the placement of daily cover, at this facility shall be limited to the following:

Monday thru Friday	6:00 a.m. to 6:30 p.m.
Saturday	6:00 a.m. to 3:00 p.m.
Saturday following holiday*	6:00 a.m. to 6:30 p.m.

*Holiday shall include New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving and Christmas.

Construction and operation activities are prohibited on the following Federal/State holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving and Christmas.

SPECIAL CONDITIONS

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27. During the placement of the first lift of waste above the primary leachate collection and removal system, the following precautions and practices will be observed:

    (a) consideration for the approach and travel of haul trucks and other landfill operation vehicles relative to the location of the liner and leachate collection laterals.

    (b) waste placement must be kept away from the top of the berms to allow for proper leachate control and effective future placement of final cover. Identification markers may be used along the berms with specific setback distances for waste placement.

    (c) Placement of a select type refuse being free of demolition debris, large metal wastes, long items such as poles, piping and bulky wastes in general, and shall be placed in a minimum lift thickness of at least 5 feet above the leachate collection and removal system.

    (d) Prior to placing any solid waste in an area when the waste could come into contact with the side slope, the permittee shall ensure that 24 inches of drainage blanket is in-place, in accordance with the approved plans. The protective layer over the synthetic liner will be placed and maintained at least 10-feet in advance of waste placement.

28. Radio communication between the landfill office and the working face shall be provided at all times during operating hours.

29. All structures, including the leachate collection and removal system, groundwater and gas monitoring wells, access roads, drainage structures, etc., shall be maintained in proper working order. In the event any structure becomes damaged or malfunctions in any way, the Permittee shall notify the Department verbally within 24-hours and follow up in writing within 7 days, and shall promptly replace or repair the structure. All monitoring wells (groundwater and gas) shall be fitted with locking caps and locked at all times other than during times of sampling.

30. All wastes received at the disposal site must be spread and compacted in layers not more than two (2) feet thick upon deposition at the working face, excepting the first lift placed on the liner system.

31. The Permittee shall require that all vehicles delivering waste or cover material to the site be enclosed or covered or their contents secured.

SPECIAL CONDITIONS

For Article 27 (Title 7, Ontario County Landfill)

32. On-site roads used to transport solid wastes shall be maintained passable and safe at all times. No penetrating or waste oils shall be used for dust control.

33. Wind-blown paper and other litter shall be confined to the disposal area by snow fence, portable screens, natural screening, or any other necessary devices. The Permittee shall police wind-blown paper and litter along the landfill's perimeter as necessary and at least once a week.

34. The entire site shall be routinely inspected for rodent activity. The rodent control programs described in the Contingency Plan shall be implemented to effectively control vectors at the landfill.

35. Silt shall be removed from the siltation ponds on an as needed basis during the driest season of the year. At all times, a minimum sediment storage shall be capable of accommodating a 25-year storm. Silt shall not be removed between October 15 and May 15.

36. Daily, intermediate, and final cover must be applied as required by Part 360.

37. Cover soil and drainage control structures must be designed, graded and maintained to prevent ponding and erosion and to minimize infiltration of water into the solid waste cells.

38. All sludges and chemical, industrial, commercial, food, or power plant wastes must be reviewed by the permittee before accepting these wastes for disposal at this facility. All records relating to the disposal of these wastes at this facility shall be made available to the Department during inspections, Copies of all waste stream applications or requests for disposal of wastes must be stored at the landfill site and must be made available for inspection by Department staff.

IV. LEACHATE CONTROL

39. Any leachate on the ground shall immediately be contained and removed either by pumping or by utilizing spill cleanup procedures such as absorbent pads. Leachate and leachate spill debris must be disposed of at authorized facilities approved by the Department.

SPECIAL CONDITIONS

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40. A weekly visual inspection shall be conducted by the operator on the non-perforated main leachate collection lines, force mains and manholes. If leachate is being carried in the outer pipe or if there is evidence of plugging, DEC must be notified verbally within 24-hours, followed up in writing within 7 days and corrective measures implemented promptly. The dates and results of all inspections shall be included in the Annual Report.

41. The Permittee shall maintain a contingency plan which shall identify the alternative leachate treatment and disposal methods that will be employed in the case of: malfunction of the existing leachate treatment/disposal system; inadequate system capacity to manage short-term increased leachate volumes; and/or the leachate is not acceptable to the existing wastewater treatment plant. Should any element of the contingency plan become unavailable, or inoperative, a revised plan shall be submitted, subject to Department approval within 60 days.

42. The Permittee shall inspect the primary and secondary leachate collection (leak detection) and removal system bi-weekly and pump stations weekly. Should the defined action leakage rate levels (20 gallons per acre per day) be exceeded, or groundwater monitoring wells indicate significant increases in contaminant levels above established background, the Permittee will notify the Department verbally within 24-hours and follow-up within seven (7) days in writing and immediately initiate the appropriate actions as defined in the contingency plan. A standard report form shall be initiated by the landfill operator indicating the time, date and result of these field inspections (including the results of any tests which might be performed to determine the nature of detected fluids (i.e., specific conductivity, pH, and temperature) and submit them to the Department as part of the Annual Report.

43. The primary leachate collection and removal system shall be flushed at least annually to maintain an unobstructed and free draining collection system. Should the leachate collection and removal system's efficiency be found to be impaired, then remedial cleaning operations shall be conducted with written notification of such activity given to the Department prior to the commencement of cleaning. The annual flushing shall be accomplished using a high pressure hose through the entire length of each collection pipe and header pipe of the primary leachate collection system.

44. Under no circumstances shall leachate be discharged directly or indirectly from the site to surface waters or groundwaters. Leachate recirculation may be conducted provided that the construction and operation is in conformance with plans and specifications that have been approved by the Region 8 Regional Solid & Hazardous Materials Engineer.

For Article 27 (Title 7, Ontario County Landfill)

45. Adequate leachate storage must be available to meet the leachate collection needs of the facility throughout the operational and post-closure maintenance periods. A log of all visual inspections of facility structures must be maintained at the site. At a minimum, the log must detail the date, time, inspector, visual observations, problems, and any corrective actions taken.

46. Leachate removed from the facility shall be by a hauler in possession of a valid Part 364 permit, authorizing such hauler to haul leachate from the facility to a specified disposal site approved by the Department.

47. If refuse is deposited within a cell located on top of an area which has received intermediate cover, a portion of the intermediate soil cover shall be removed from the area to be filled so as to adequately allow leachate to reach the leachate collection system.

48. A log of the visual inspections of the leachate collection system must be maintained at the site. At a minimum, the log must detail: date, time, inspector, visual observations, problems, and any corrective actions taken. If any part of the leachate collection system becomes damaged or malfunctions, the Permittee must notify the Department verbally within 24-hours, and follow up in writing within 7 days, and must promptly repair or replace the damaged structure, or undertake other remedial action as authorized by the Department.

V. ANNUAL REPORTING

49. Annual reporting will include, but not be limited to, the items listed in this condition and shall be submitted to the Department no later than March 1 of each year. This report must detail:

(a) The total quantity of solid waste disposed of, in tons, for the calendar year from January 1st to December 31. This information must be compiled by waste type such as refuse, sludge, construction and demolition, non-hazardous commercial waste, or other types of solid waste by County (and State, if origin is out of New York State) of origin. All wastes received at the facility shall be measured by weight. These measurements shall be recorded on a daily basis. These records shall be maintained for the life of the facility.

(b) The remaining site life in years and remaining capacity in cubic yards of the existing constructed landfill.

(c) An evaluation of all water and leachate quality data collected throughout the year. The Department may request at any time that this information be provided in a computer-compatible format to be specified by the Department.

For Article 27 (Title 7, Ontario County Landfill)

(d) An evaluation of gas monitoring and control systems, including a narrative description of proposed or actual changes to these systems.

(e) The quantity of leachate collected, treated and disposed of on a monthly basis.

(f) The quantity of leachate collected in the secondary leachate collection/leak detection and removal system. This must be compiled on a monthly basis to assess primary liner system performance. These figures should compare to the action leakage rates.

(g) A revised site plan with 5-foot contours of the fill area reflecting the extent of the previous year's fill progression and the proposed fill progression for the next year.

(h) Any proposed changes from the approved reports, plans, and specifications or permit conditions must be listed with justification for each change given. No change shall be effective until written approval is received from the Department.

(i) An annual summary of each type of recycled material collected from each municipality.

(j) An updated Financial Assurance Report.

VI. RECYCLING

50. Annual reports shall be submitted to the Department by March 1 of each year for the previous calendar year. This report must include the following information:

(a) the activities the County has completed or that were in progress for the period of time covered by the report and what measures were taken to improve the program's recycling recovery rate (i.e., the participation rate, each participant's separation efficiency, the percent of the waste stream that is recyclable and the system's efficiency);

(b) the total solid waste percentages, and the actual percentages and tonnages of recyclables removed from the waste stream for each type of recyclable. This break down shall be tabulated for each municipality. These totals shall be compared to the projected recovery rates contained within the Department approved Comprehensive Recycling Analysis and any Department approved revisions or updates and the results of that comparison discussed.

If the originally projected recovery rates have not been met, an explanation shall be provided with a plan to address currently feasible strategies to achieve the projected recovery rates; and an analysis of what markets then exist for specific components of the nonhazardous solid waste stream generated within the service area which are not currently being recycled; and the Permittee must conduct a review of developing technologies that may result in the creation or enhancement of economic markets for those components of the waste stream not required to be separated at the time of analysis. This section shall indicate the specific materials which will be added to the list of components which must be source separated as part of the County's recyclables recovery program and provide detailed market justifications for those materials not added to the list of materials to be source separated.

51. The Permittee shall ensure that the recyclable recovery program is implemented in accordance with the time frames indicated in the Department approved Ontario County Comprehensive Recycling Analysis and any Department approved revisions or updates to this document. Any significant revisions made to the program and/or the schedule shall be submitted to the Department for review and approval. If the Department does not issue a written response within thirty (30) days, such changes shall be deemed to be approved.

52. The County must not discontinue the source separation and collection of any or all of the recyclables collected as part of the recyclables recovery program unless, as to the particular recyclable in question, the County determines that there is no economic market (as that term is defined in General Municipal Law 120-aa) for the material.
The Permittee may only determine that an economic market does not exist for any waste stream by:

(a) preparing a report substantiating that no economic market exists for recycling such component; and

(b) contacting the Department of Economic Development, Office of Recycling Market Development, 111 East Avenue, Suite 220, Rochester, New York 14604; telephone number: (716)-325-1944, to seek their assistance in locating an economic market for the subject component and providing documentation of their efforts and final results;

(c) issuing a determination of lack of existence of an economic market for such component, and publishing notice of such determination and the report's availability in a newspaper having general circulation within the County; and

For Article 27 (Title 7, Ontario County Landfill)

(d) submitting three copies of the report and determination to the Department for review and receiving Department approval.

The Permittee's determination of lack of an economic market will remain in effect until the Permittee determines that an economic market for such component exists or for six (6) months, whichever is less.

VII. CLOSURE/POST-CLOSURE

54. The Permittee shall notify the Department whenever changes in operating plans, waste deposition rates, facility design, or events occurring during the active life of the landfill change the projected final closure date by more than Twelve (12) months. The notice shall be submitted in writing to the Department within sixty (60) days of such changes in Permittee's plans, deposition rates, design, or events at the landfill. All proposed amendments shall be subject to the Department's approval and shall not be effective unless said approval is received in writing.

55. Twelve months before the date at which the landfill will cease accepting waste, the Permittee shall submit a Scope of Work which shall include: 1) a site investigation plan and 2) a schedule of all tasks required to implement a closure in conformance with the regulations expected to be effective at the time of closure. The schedule shall be in agreement with the final closure date set forth in the permit. The facility shall be maintained for a period of no less than thirty years beyond the placement of final cover.

56. A permanent grass or ground cover crop must be established and maintained on all exposed final cover soil within sixty (60) days after placement.

57. Final cover integrity, slopes, cover vegetation, drainage structures, leachate collection and removal structures established pursuant to this permit shall be maintained for a minimum period of thirty (30) years beyond the date of the placement of final cover, or for as long as leachate is produced at this facility, whichever is longer.

VIII FUTURE SUBMISSIONS

58. The revisions to the following plans and reports shall be submitted by the Permittee no later than July 31, 2004. Department approval must be obtained by August 30, 2004.

    1. Environmental Monitoring Plan (EMP) in accordance with 6NYCRR Part 360-2.11(c);

    2. Site Analytical Plan (SAP) in accordance with 6NYCRR Part 360-2.11(d).

SPECIAL CONDITIONS

For Article 27 (Title 7, Ontario County Landfill)

IX. ENVIRONMENTAL MONITORING

59. Groundwater, surface water, and leachate sampling methodologies and analyses of samples must be performed in accordance with the Analytical Services Protocol developed by New York State Department of Environmental Conservation dated September 1989 or as otherwise acceptable to the Department.

60. The groundwater suppression system shall be monitored annually in accordance with the approved Environmental Monitoring Plan through the operational, closure, and post-closure periods of this facility, or for as long as leachate is produced, whichever is longer. If leachate is detected in any zone of the leak detection system, then sampling frequency of the groundwater suppression system shall be increased to quarterly.

61. To allow the Department an opportunity to split samples, notification no later than 30 days in advance planned of sampling events shall be submitted to the Region 8 Regional Solid & Hazardous Materials Engineer, for each quarter of the operational, closure, and post-closure maintenance periods of this facility.

62. A leachate monitoring program shall be established in accordance with 6 NYCRR Part 360-2.11(c)(3) and the approved Environmental Monitoring Plan.

63. The frequency of analysis, location of sampling points, and parameters to be analyzed for shall be in accordance with the Environmental Monitoring Plan.

64. This approval does not relieve the applicant of the responsibility of complying with any applicable Federal, State, or local ordinances, regulations, or laws.

65. A noise monitoring program shall be implemented at the landfill site to demonstrate compliance with 6 NYCRR Part 360-1.14(p). An amendment to the approved Environmental Monitoring Plan that addresses noise monitoring at the site shall be submitted for Department approval no later than November 1, 2007. All noise monitoring shall be in conformance with the Department approved amendment.

MA0481 0003.2 ACM Work Plan Submittal

OP-TECH

63 Trade Road, Bldg. # 4
P.O. Box 5182
Massena, N.Y. 13662
P: (315) 764-1917
F: (315) 764-9453
www.op-tech.us

February 15, 2011

Brandenburg Industrial Service Company
2625 South Loomis Street
Chicago, IL 60608
Attn: Mr. Jason GaNun

Telephone: 610-317-5386
Facsimile: 800-758-6847
E-mail: ganjas@brandenburg.com

Re: Asbestos Work Plan Certification
Former General Motors Powertrain Facility

To whom it may concern;

I, Michael B. Jenkins, NYSDOL Project Designer Certificate No. 03-09199, have reviewed and do approve the OP-TECH Environmental Services, Inc. "Asbestos Work Plan-Final" dated February 15, 2011, for abatement activities to be conducted as part of the Former General Motors Powertrain Facility demolition project.

Please contact me should you have any further questions regarding the information provided.

Regards,
OP-TECH ENVIRONMENTAL SERVICES, INC.

Michael B. Jenkins
Project Designer

E-cc; Guy Griffin, OP-TECH

Attachments:

- NYSDOL Project Designer Certificate No. 03-09199 (Exp. 11/11)
- DOH-2832 Certificate of Training (Exp. 10/11)

New York State Department of Health Certificate of Asbestos Safety Training

This form is the official record of successful completion of a New York State accredited asbestos safety training course.

Certificate No. 589779

I – To be completed by Trainee

Name of Trainee (print)	NYS Depart. of Motor Vehicles ID (DMV ID)[1]	
Michael B Jenkins	607 775 897	
Signature of Trainee	Telephone Number	Date of Birth[1]
[signature]		11/9/77

Address: 3072 Ennis Rd. (Street or PO Box) Pattersonville (City) NY (State) 12137 (Zip Code)

II – To be completed by Training Sponsor

Provider's Name	Telephone Number
SPECTRUM ENVIRONMENTAL	
Address: 2539 Albany Street, Schenectady, NY 12304	Course Location:
Zip Code: 518-346-6374	[signature]

Course Title: Project Design ☐ Initial ☑ Refresher ☐ NYS DOH use only DOH Equivalency[2]

Training Language: ☑ English ☐ Other: _____ Exam Grade/Date: 96% 10/19/10

Dates of Training: From: 10/19/10 To: 10/19/10 Expires: 10/19/11

I certify that the asbestos safety training course given on the above date complied with both 10 NYCRR Part 73 and TSCA Title II, was consistent with the curriculum and instructors approved by the New York State Department of Health, and the trainee receiving this certificate completed the training course and successfully passed the examination.

Training Director[2]: [signature] (Print) [signature] (Signature)

DOH-2832 (10/03) [1]Optional Information [2]DOH Equivalency signed by NYS DOH representative only STUDENT

Sr 088-66-6847

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE

MICHAEL B JENKINS
CLASS(EXPIRES)
G:SUPR(11/11) I:PD (11/11)

CERT# 03-09199
DMV# 607775897

MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BRO
HAIR BRO
HGT 6' 01"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

MA0481 0006 No. 2 Stone Submittal

ARCADIS

Infrastructure · Water · Environment · Buildings

Submittal Review Form

ARCADIS of New York, Inc.
6723 Towpath Road
P.O. Box 66
Syracuse
New York 13214-0066
Tel 315.446.9120
Fax 315.449.0017

Client:	Contractor:	Project:
MLC	Brandenburg	Massena, NY

ENVIRONMENT

Contact:
Margaret Carrillo-Sheridan, P.E.
Phone Number:
315.671.9167

Submittal Number:
MA0481-0006

Submittal Description:
No. 2 Stone Submittal

Review Code:

- ☒ R Reviewed
- ☐ N Reviewed and Noted
- ☐ S Resubmit
- ☐ J Rejected
- ☐ I For Your Information

Margaret A. Carrillo-Sheridan, P.E.

March 2, 2011
Date

Brandenburg® Industrial Service Company
2217 Spillman Drive
Bethlehem, Pennsylvania 18015-1982
Phone (610) 691-1800
FAX (610) 691-4200

Brandenburg®

www.Brandenburg.com

SUBMITTAL COVER SHEET

PROJECT: *MLC Massena Power Train MAS-100-AP*

OWNER: ***Motors Liquidation Corporation***

IQAT: ***Margaret Carillo-Sheridan (ARCADIS)***

Engineer: ***ARCADIS***

Brandenburg Submittal No.: MA0481-0006 **Project Code: MA0481**
Revision No.: 0000

No. 2 Stone Submittal

This document has been reviewed, coordinated and checked for accuracy of content and for compliance with the Contract Documents. The information contained herein has been coordinated with all applicable contractors, and is hereby submitted for approval.

Submitted by: *Jason GaNun* Date: February 4, 2011
Eric Ahlgren-Jason GaNun | Project Manager | Brandenburg

Review Status:
No Exceptions Taken _____ Approved as Noted _____ Revise & Resubmit _____ Rejected _____

Approved by:_____ Date: _____

Comments:

SUBMITTAL COVER SHEET

Contrator: Perras Excavating, Inc.
Address: 1909 State Hwy 420
Massena, NY 13662
Telephone: (315) 769-5900
Fax: (315) 764-1049

Date: 2-Feb-11
Submittal No.: 2

Project:
Motors Liquidation Company Massena Plant Demolition

Engineer:
Arcadis

Owner:
Motors Liquidation Company

Type of Submittal: (check one)		
( ) Shop Drawing	( ) Schedule	( ) Sample
(x) Product Data	( ) Certificate	( ) Color Sample
(x) Test Report	( ) Warranty	( ) Other

Description:	
Product Name:	No. 2 Stone
Manufacturer:	Barrett Paving Materials, Inc.
Address:	7971 State Highway 56, Norwood, NY 13668
Subcontractor/ Supplier:	

References:
Spec. Section No.: _____ Plan Drawing No(s): _____
Paragraph No.: _____ Rm. Or Detail No(s): _____

Engineer's Reviewed Stamp:
Received: _____

Contractor's Approval: *(The undersigned hereby acknowledges that all criteria have been determined and verified with regard to the contract drawings and specifications):*

Remarks:
- ☑ **APPROVED**
- ☐ **NOT APPROVED**
- ☐ **APPROVED AS CORRECTED**
- ☐ **REVISE & RESUBMIT**

BY: Scott McRoberts

DATE: 2/2/11

PERRAS EXCAVATING INC.
MASSENA, NY 13662

Reviewed by: _____
Scott A. McRoberts

BARRETT PAVING MATERIALS INC.

Sieve Analysis

LOCATION: NORWOOD
DATE: 10/1/2009

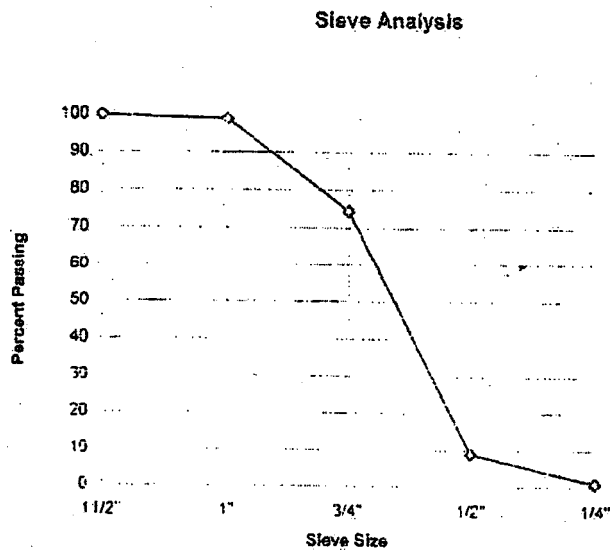
PRODUCT: #2 STONE

BY: SPEER

COMMENTS:

SIEVE SIZE	WEIGHT RETAINED	PERCENT RETAINED	PERCENT PASSING	
11/2"	0	0	100	
1"	0.25	1.1	98.9	
3/4"	5.65	24.5	74.4	
1/2"	15.10	65.5	8.9	
1/4"	1.85	8.0	0.9	
PAN	0.20	0.9		

TOTAL: 23.05



#2 STONE

MA0481 0010 Hymax Couplings Submittal

ARCADIS

Infrastructure · Water · Environment · Buildings

Submittal Review Form

ARCADIS of New York, Inc.
6723 Towpath Road
P.O. Box 66
Syracuse
New York 13214-0066
Tel 315.446.9120
Fax 315.449.0017

Client:	Contractor:	Project:
MLC	Brandenburg	Massena, NY

ENVIRONMENT

Contact:
Margaret Carrillo-Sheridan, P.E.
Phone Number:
315.671.9167

Submittal Number:
MA0481-0010

Submittal Description:
Hymax Couplings Submittal

Review Code:

- [x] R Reviewed
- [ ] N Reviewed and Noted
- [ ] S Resubmit
- [ ] J Rejected
- [ ] I For Your Information

Margaret A. Carrillo-Sheridan, P.E.

March 2, 2011
Date

Brandenburg® Industrial Service Company
2217 Spillman Drive
Bethlehem, Pennsylvania 18015-1982
Phone (610) 691-1800
FAX (610) 691-4200

Brandenburg®

www.Brandenburg.com

SUBMITTAL COVER SHEET

PROJECT: ***MLC Massena Power Train MAS-100-AP***

OWNER: ***Motors Liquidation Corporation***

IQAT: ***Margaret Carillo-Sheridan (ARCADIS)***

Engineer: ***ARCADIS***

Brandenburg Submittal No.: MA0481-0010 **Project Code: MA0481**
Revision No.: 0000

Hymax Couplings Submittal

This document has been reviewed, coordinated and checked for accuracy of content and for compliance with the Contract Documents. The information contained herein has been coordinated with all applicable contractors, and is hereby submitted for approval.

Submitted by: *Jason GaNun* Date: February 4, 2011
Eric Ahlgren-Jason GaNun | Project Manager | Brandenburg

Review Status:
No Exceptions Taken _____ Approved as Noted _____ Revise & Resubmit _____ Rejected _____

Approved by:_____ Date: _____

Comments:

SUBMITTAL COVER SHEET

Contrator: Perras Excavating, Inc.
Address: 1909 State Hwy 420
Massena, NY 13662
Telephone: (315) 769-5900
Fax: (315) 764-1049

Date: 2-Feb-11

Submittal No.: 6

Project:
Motors Liquidation Company Massena Plant Demolition

Engineer:
Arcadis

Owner:
Motors Liquidation Company

Type of Submittal: (check one)		
( ) Shop Drawing	( ) Schedule	( ) Sample
(x) Product Data	( ) Certificate	( ) Color Sample
(x) Test Report	( ) Warranty	( ) Other

Description:	
Product Name:	Hymax Couplings
Manufacturer:	Total Piping Solutions, Inc.
Address:	1760 Haskell Road, Olean, NY 14760
Subcontractor/ Supplier:	Vellano Bros.

References:
Spec. Section No.: _____ Plan Drawing No(s): _____
Paragraph No.: _____ Rm. Or Detail No(s): _____

Engineer's Reviewed Stamp:
Received: _____

Contractor's Approval: *(The undersigned hereby acknowledges that all criteria have been determined and verified with regard to the contract drawings and specifications):*

Remarks:
- [X] **APPROVED**
- [ ] **NOT APPROVED**
- [ ] **APPROVED AS CORRECTED**
- [ ] **REVISE & RESUBMIT**

BY: Scott McRoberts

DATE: 2/2/11

PERRAS EXCAVATING INC.
MASSENA, NY 13662

Reviewed by: Scott A. McRoberts

Hymax Couplings

Nominal Diameter ND	Part No.	Overall Range	Low range Before removal the inner layer	High range After removal the inner layer	"L" Overall Length	"D" Overall Width	"T" Coupling Middle Ring	"G" Max. Gap Between Pipes	Approx. Weight
inch		inch	inch	inch	inch	inch	inch	inch	(lb)
1.5"	2000-0213-260	1.61-2.13	1.61-1.97 1.5" CTS, 1.5" PVC, 1.5" IPS	1.96-2.13 2" CTS	5.9	4	3.9	3.35	5
2"	2000-0303-260	2.10-3.03	2.10-2.60 2" CTS, 2" IPS	2.56-3.03 2.5" CTS, 2.5" IPS, 2.5" DR21	6.7	5.24	3.9	3.35	6
3"	2000-0433-260	3.46-4.33	3.46-3.90 3" PEISCLAIR), 3" IPS	3.86-4.33 3" Pit Cast, 3" AC/100-150, 4" CTS	8.7	6.69	5.9	5.50	9
4"	2000-0583-260	4.25-5.83	4.25-5.00 4" IPS 4" Ductile, 4" Pit Cast, 4" AC/100,150	4.92-5.63 4" AC/200, 4" Clay	8.7	7.87	5.9	5.50	15
5"	2000-0638-260	5.12-6.38	5.12-5.75 4" AC/100, 150, 200RB, 5" IPS, PVC	5.71-6.38 6" OD Steel, 6" CTS	10.8	9.45	8.0	5.50	17
6"	2000-0768-260	6.42-7.68	6.42-7.05 6" IPS, 6" PEISCLAIR), 6" Ductile	7.01-7.68 6" AC/100,150,200, 6" Clay	10.8	10.75	8.0	7.50	23
7"	2000-0874-260	7.48-8.74	7.48-8.11 6" AC/200RB, 7" IPS, 8" OD Steel	8.07-8.74 8" IPS, PVC	10.8	11.73	8.0	7.50	26
8"	2000-0984-260	8.54-9.84	8.54-9.17 8" IPS, 8" PEISCLAIR), 8" Ductile	9.13-9.84 8" AC/100,150,200, 8" Clay	10.8	12.91	8.0	7.50	33
10"	2000-1200-260	10.70-12.00	10.70-11.37 10" IPS, 10" PEISCLAIR), 10" Ductile	11.33-12.00 10" AC/100	10.8	15.04	8.0	7.50	33
10" o.s	2000-1226-260	10.96-12.26	10.96-11.63 10" Ductile, 10" AC/100, 150	11.59-12.26 10" AC/200, 10" Clay	10.8	15.28	8.0	7.50	39
12"	2000-1366-260	12.40-13.66	12.40-13.03 12" IPS, 12" PEISCLAIR)	12.99-13.66 12" Ductile, 12" Pit Cast	10.8	16.61	8.0	7.50	39
12" o.s	2000-1441-260	13.15-14.41	13.15-13.78 12" Ductile	13.74-14.41 12" AC/100,150,200, 12" Clay	10.8	17.32	8.0	7.50	39

NOTE: For specific information, dimensions, or special applications on the Hymax 2000 Series, consult Total Piping Solutions, Inc.
NOTE: To extend product life in corrosive environments poly-wrapping and/or cathodic protection of the coupling is recommended.
*Hymax is a patented product developed by Krausz Industries, Ltd. The Hymax Trademark is the property of Krausz Industries Ltd.

Krausz

WARNING NATURAL GAS NO! This product is not intended for use in natural gas, propane or any other type of gas piping. In the unlikely event of a gas piping leak, the coupling could function and cause property damage, serious injury or death.

WARNING This is a pressure piping product. If pipe pull out occurs, property damage and injury or death could result. Excessive pipe pull out could result in the coupling not functioning properly, damage to property, serious injury or death.

TPS Total Piping Solutions, Inc.
1750 Hoskell Road, Olean, New York 14760.
Tel. 716-372-0160, Fax 716-372-1767.
E-mail: sales@tpsinc
Visit Our Website at: http://tpsinc

Form # 2000-09.06

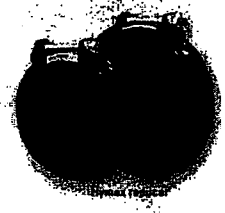
Hymax Couplings

TPS Total Piping Solutions, Inc.

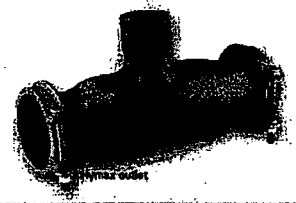
Hymax-2000 Series Pipe Repair Couplings and Reducers

SI ISO 9001 Quality Assured Firm

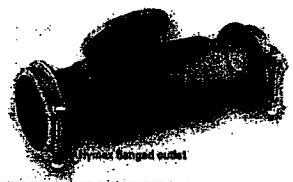
Hymax coupling



Hymax reducer



Hymax outlet



Hymax flanged outlet

...The Proven Time-Savers

* *For Water and Sewerage Applications, above and below ground*
* *Inventory Reduction*
* *Joins Pipe with Diameter Differences of up to 1.30 inches*
* *Superior Two Stage Sealing Capabilities*
* *Easy Fitting...two bolts total, one to tighten per end*
* *Lightweight...can be handled by one person*
* *High Deflection-8 degrees*
* *Stab type installation (no disassembly required)*
* *Standard long body to allow for more pipe end gap*
* *260 PSIG Working Pressure*
* *Meets and Exceeds "AWWA C-219 Standards"*
* *NSF-61 approved*

The Hymax 2000 coupling line is suited to a wide range of pipe joining conditions, and each size will replace between three and four modular type couplings in your inventory.

Each coupling will join pipes with diameter differences up to 1.30 inches. Reducers (Hymax 2200 Series) can handle pipe diameter differences of up to 2 inches in nominal diameter. In addition, the Hymax 2000 coupling can handle pipe end gaps up to 7.5 inches, and will accommodate angular deflection of up to 8 degrees.

The Hymax 2000 offers an efficient range adjustable pressure assisted Hydraulic Sealing system, and NSF 61 Registered EPDM Compounded gaskets. Temperature range is -20°F to 220°F.

The Hymax 2000 is a stab type coupling requiring no disassembly. The installer simply adjusts the gasket, and tightens one bolt on each end of the coupling to the required torque. All work is performed from the topside of the coupling, eliminating the need for extra excavation and under-dig for the wrench.

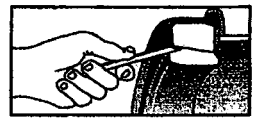
The Hymax 2000 can be easily handled by one person due to the durable nature of its superior lightweight materials of construction. The coupling is equipped with a corrosion resistant coating of fusion-bonded epoxy, and comes with stainless steel spanner, nuts and bolts.

Longer Body Lengths and Reducers Available

The 2-layered gasket provides a built-in wide range.

1. The low range is provided by the 2-layered gasket.
2. Removing the inner layer enables the high range.

Each side self-seals

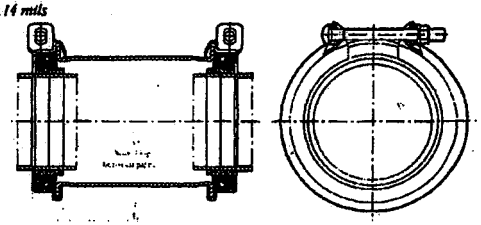


Hymax 2000 Series Specification

Materials:
Carbon Steel with NSF-61 Registered Fusion-bonded Epoxy Coating Approx. 14 mils

Bolts and Nuts:
(ANSI 304/303) Stainless Steel with No-Gall Zinc Cobalt Coating.

Pressure Assisted Gasket:
NSF 61 Registered EPDM gasket. Compound approved for contact with drinking water and sewerage. The gasket is made in two layers, with a removable inner layer that allows for pipe diameter range expansion.



MA0481 0015 Barrett Paving Source Submittal

ARCADIS

Infrastructure · Water · Environment · Buildings

Submittal Review Form

ARCADIS of New York, Inc.
6723 Towpath Road
P.O. Box 66
Syracuse
New York 13214-0066
Tel 315.446.9120
Fax 315.449.0017

Client:	Contractor:	Project:
MLC	Brandenburg	Massena, NY

ENVIRONMENT

Contact:
Margaret Carrillo-Sheridan, P.E.
Phone Number:
315.671.9167

Submittal Number:
MA0481-0015

Submittal Description:
Barrett Paving Source Submittal

Review Code:

- ☐ R Reviewed
- ☒ N Reviewed and Noted
- ☐ S Resubmit
- ☐ J Rejected
- ☐ I For Your Information

Notes:

1. Documentation that source meets DOT requirements for approved operating source is reviewed and accepted.

2. Need sieve analysis and proposed use for proposed fill materials from this source.

Margaret A. Carrillo-Sheridan

Margaret A. Carrillo-Sheridan, P.E. — March 2, 2011 Date

Brandenburg® Industrial Service Company
2217 Spillman Drive
Bethlehem, Pennsylvania 18015-1982
Phone (610) 691-1800
FAX (610) 691-4200

Brandenburg®

www.Brandenburg.com

SUBMITTAL COVER SHEET

PROJECT: *MLC Massena Power Train MAS-100-AP*

OWNER: ***Motors Liquidation Corporation***

IQAT: ***Margaret Carrillo-Sheridan (ARCADIS)***

Engineer: ***ARCADIS***

Brandenburg Submittal No.: MA0481-0015 **Project Code: MA0481**
Revision No.: 0000

Barrett Paving Source Submittal

This document has been reviewed, coordinated and checked for accuracy of content and for compliance with the Contract Documents. The information contained herein has been coordinated with all applicable contractors, and is hereby submitted for approval.

Submitted by: Jason GaNun Date: February 24, 2011
Eric Ahlgren-Jason GaNun | Project Manager | Brandenburg

Review Status:
No Exceptions Taken _____ Approved as Noted _____ Revise & Resubmit _____ Rejected _____

Approved by:_____ Date: _____

Comments:

Barrett Paving Materials is being submitted for approval to supply "virgin" backfill material and aggregate needs for the project.

SUBMITTAL COVER SHEET

Contrator: Perras Excavating, Inc.
Address: 1909 State Hwy 420
Massena, NY 13662
Telephone: (315) 769-5900
Fax: (315) 764-1049

Date: 22-Feb-11

Submittal No.: 9

Project:
Motors Liquidation Company Massena Plant Demolition

Engineer:
Arcadis

Owner:
Motors Liquidation Company

Type of Submittal: (check one)

( ) Shop Drawing	( ) Schedule	( ) Sample
( ) Product Data	( ) Certificate	( ) Color Sample
( ) Test Report	( ) Warranty	(x) Other

Description:

Product Name:	Crushed Aggregate Supplier - NYSDOT Approved Source Letter
Manufacturer:	Barrett Paving Materials, Inc.
Address:	
Subcontractor/ Supplier:	

References:
Spec. Section No.: _____ Plan Drawing No(s): _____
Paragraph No.: _____ Rm. Or Detail No(s): _____

Engineer's Reviewed Stamp:
Received: _____

Contractor's Approval: *(The undersigned hereby acknowledges that all criteria have been determined and verified with regard to the contract drawings and specifications):*

Remarks:
- [x] **APPROVED**
- [ ] **NOT APPROVED**
- [ ] **APPROVED AS CORRECTED**
- [ ] **REVISE & RESUBMIT**

BY: Scott A. McRoberts

DATE: 2/22/11

PERRAS EXCAVATING INC.
MASSENA, NY 13662

Reviewed by: Scott A. McRoberts

BARRETT PAVING MATERIALS INC.
7971 STATE HWY 56 • NORWOOD, NY 13668 • PHONE (315) 353-6611 • FAX (315) 353-2768

February 22, 2011

PERRAS EXCAVATING, INC.
1909 State Highway 420
Massena, NY 13662

ATTN: Scott McRoberts

Dear Scott:

We hereby certify that the material produced at our Norwood, NY location for supply to your MLC Demolition project in Massena, NY is a crushed Dolomitic Limestone. New York State Department of Transportation approved source number 7-1R.

Sincerely,

BARRETT PAVING MATERIALS INC.

Donald W. Speer
Quality Control

CC: David Wright

NEW YORK STATE
DEPARTMENT OF TRANSPORTATION
MATERIALS BUREAU

COARSE AGGREGATE ANALYSIS FOR 703-02 PHYSICAL REQUIREMENTS

SOURCE # 7- 1R TEST # 10AR 7 BR3a SERIAL # 225607

Barrett Paving Materials Inc
Norwood, NY

On 04/06/10 results of tests on material represented by sample 225607 were evaluated

Material meets specifications for Item 703-02. Consult friction aggregate requirements for approved use.

REMARKS:

NYSDOT Sizes	No. 2	No. 1	No. 1A
10 Cyclic $MgSO_4$	1.2	3.8	
25 Cyclic 3% freeze -thaw	4.1		

% Non-carbonate	3	Percent non-carbonate and percent insoluble residue values represent this sample only. When designing mixes, follow procedures in the appropriate Materials Method.
% Insoluble residue		
L.A. Abrasion Grading B	22.3	

Bulk Specific Gravity SSD	2.79	Gravity and Absorption values represent this sample only. They may not be appropriate for designing mixes
Bulk Specific Gravity	2.779	
Apparent Specific Gravity	2.821	
Absorption	0.5	

COMPOSITION (Size No. 2)	%	COMPOSITION (Size No.)	%
Dolostone	86		
Dolomite (Arenaceous)	4		
Sandstone (Dolomitic)	3		
Dolomite (With Gypsum)	4		
Dolomite (Tan)	2		
Dolomite (Calcareous)	1		

MA0481 0016 Sediment Fiber Roll Submittal

ARCADIS

Infrastructure · Water · Environment · Buildings

Submittal Review Form

ARCADIS of New York, Inc.
6723 Towpath Road
P.O. Box 66
Syracuse
New York 13214-0066
Tel 315.446.9120
Fax 315.449.0017

Client:	Contractor:	Project:
MLC	Brandenburg	Massena, NY

ENVIRONMENT

Contact:
Margaret Carrillo-Sheridan, P.E.
Phone Number:
315.671.9167

Submittal Number:
MA0481-0016

Submittal Description:
Sediment Fiber Roll Submittal

Review Code:

- [x] R Reviewed
- [ ] N Reviewed and Noted
- [ ] S Resubmit
- [ ] J Rejected
- [ ] I For Your Information

Margaret A. Carrillo-Sheridan

Margaret A. Carrillo-Sheridan, P.E.

March 2, 2011
Date

Brandenburg® Industrial Service Company
2217 Spillman Drive
Bethlehem, Pennsylvania 18015-1982
Phone (610) 691-1800
FAX (610) 691-4200

Brandenburg®

www.Brandenburg.com

SUBMITTAL COVER SHEET

PROJECT: *MLC Massena Power Train MAS-100-AP*

OWNER: ***Motors Liquidation Corporation***

IQAT: ***Margaret Carrillo-Sheridan (ARCADIS)***

Engineer: ***ARCADIS***

Brandenburg Submittal No.: MA0481-0016 **Project Code: MA0481**
Revision No.: 0000

Sediment Retention Fiber Roll Material Submittal

This document has been reviewed, coordinated and checked for accuracy of content and for compliance with the Contract Documents. The information contained herein has been coordinated with all applicable contractors, and is hereby submitted for approval.

Submitted by: *Jason GaNun* Date: February 24, 2011
Eric Ahlgren-Jason GaNun | Project Manager | Brandenburg

Review Status:
No Exceptions Taken _____ Approved as Noted _____ Revise & Resubmit _____ Rejected _____

Approved by:_____ Date: _____

Comments:

Utilized to manage water in accordance with SOP#1. Used throughout project. 12" diameter logs to be used.

443 Bricker Road Bernville, PA 19506
1.800.582.4005
+1.610.488.8496 Fax +1.610.488.8494
www.eastcoasterosion.com

EASTCOAST erosion blankets

Material and Performance Specification

ECWATTLE Sediment Retention Fiber Rolls

Description: ECWATTLES are flexible, cylindrical Sediment Retention Fiber Rolls (SRFRs) comprised of various types of compressed matrices, designed to reduce hydraulic energy and filter sediment-laden stormwater runoff on slopes and in channels. Each pallet is shrink-wrapped and labeled. SRFRs are designed to be used as perimeter controls, slope interceptor devices, check dams, around temporary soil stockpiles, at curb cuts and drain inlets. SRFRs should be installed in accordance to East Coast Erosion Blankets, LLC's Wattle Installation Guidelines and secured with wooden stakes.

TYPE: 100% Agricultural Straw Netting: UV Degradable Polyethylene

Diameter:	9.0 in (22.9 cm)	12.0 in (30.5 cm)	20.0 in (50.8 cm)
Length:	20 ft (5.08 m)	10.0 ft (2.54 m)	12.0 ft (3.65 m)
Weight ±10%:	57 lbs (25.8 kg)	45 lbs (20.4 kg)	92 lbs (41.9 kg)
Density:	6.45 lbs/ft^3 (103.3 kg/ m^3)	5.73 lbs/ft^3 (91.8 kg/ m^3)	3.53 lbs/ft^3 (56.5 kg/ m^3)
#/Pallet:	11	20	7

100% Agricultural Straw ECWATTLES have been tested by an independent laboratory to have an 83% filtering efficiency.

TYPE: 100% Aspen Wood Fibers Netting: UV Degradable Polyethylene

Diameter:	9.0 in (22.9 cm)	12.0 in (30.5 cm)	20.0 in (50.8 cm)
Length:	NOT AVAILABLE IN THIS DIAMETER	10.0 ft (2.54 m)	10.0 ft (2.54 m)
Weight ±10%:		25 lbs (11.4 kg)	45 lbs (20.4 kg)
Density:		3.13lbs/ft^3 (50.14 kg/ m^3)	2.96 lbs/ft^3 (47.41 kg/ m^3)
#/Pallet:		20	7

TYPE: Mulch Compost Blend Netting: Black Polyester

Diameter:	9.0 in (22.9 cm)	12.0 in (30.5 cm)	20.0 in (50.8 cm)
Length:	20.0 ft (5.08 m)	30.0 ft (m)	NOT AVAILABLE IN THIS DIAMETER
Weight ±10%:	300 lbs (136.3 kg)	960 lbs (436.4 kg)	
Density:	15 lbs/ft^3 (240.2 kg/ m^3)	32 lbs/ft^3 (512.59 kg/ m^3)	
#/Pallet:	3	1	

TYPE: Coir Fiber Rolls Netting: Organic Coir Twine

Diameter:	9.0 in (22.9 cm)	12.0 in (30.5 cm)	20.0 in (50.8 cm)
Length:	NOT AVAILABLE IN THIS DIAMETER	10.0 ft (2.54 m)	NOT AVAILABLE IN THIS DIAMETER
Weight ±10%:		70 lbs (31.75 kg)	
Density:		7 lbs/ft^3 (112.13 kg/ m^3)	
#/Pallet:		20	

TYPE: ECO-LOG Biodegradable Straw Netting: Organic Jute Material

Diameter:	9.0 in (22.9 cm)	12.0 in (30.5 cm)	20.0 in (50.8 cm)
Length:	NOT AVAILABLE IN THIS DIAMETER	12.0 ft (3.65 m)	NOT AVAILABLE IN THIS DIAMETER
Weight ±10%:		30 lbs (13.61 kg)	
Density:		4.85 lbs/ft^3 (77.62 kg/ m^3)	
#/Pallet:		10	

Custom lengths on all varieties of above sediment fiber rolls available upon request.

Proud Member of: IECA, ECTC, ASTM International, NAHB

Proudly Made in the USA

All Value Properties, Test Results and Design Values were derived from independent laboratory testing. East Coast Erosion Blankets, LLC will not be held liable for any type of damage or losses, directly, or indirectly for failure of this product. Current revision supersedes all previous versions.

Revised 03052010

MA0481 0017 Geotextile Fabric Submittal

ARCADIS

Infrastructure · Water · Environment · Buildings

Submittal Review Form

ARCADIS of New York, Inc.
6723 Towpath Road
P.O. Box 66
Syracuse
New York 13214-0066
Tel 315.446.9120
Fax 315.449.0017

Client:	Contractor:	Project:
MLC	Brandenburg	Massena, NY

ENVIRONMENT

Contact:
Margaret Carrillo-Sheridan, P.E.
Phone Number:
315.671.9167

Submittal Number:
MA0481-0017

Submittal Description:
Geotextile Fabric Submittal

Review Code:

- ☐ R Reviewed
- ☒ N Reviewed and Noted
- ☐ S Resubmit
- ☐ J Rejected
- ☐ I For Your Information

Notes:

1. Reviewed for use for sedimentation control in drains.
2. Does not meet minimum requirements for non-woven geotextile per Building Demolition Specifications; if material does not provide adequate sedimentation control, Brandenburg will replace with conforming fabric.

Margaret A Carrillo Sheridan

March 2, 2011

Margaret A. Carrillo-Sheridan, P.E. — Date

Brandenburg® Industrial Service Company
2217 Spillman Drive
Bethlehem, Pennsylvania 18015-1982
Phone (610) 691-1800
FAX (610) 691-4200

Brandenburg®

www.Brandenburg.com

SUBMITTAL COVER SHEET

PROJECT: *MLC Massena Power Train MAS-100-AP*

OWNER: ***Motors Liquidation Corporation***

IQAT: ***Margaret Carrillo-Sheridan (ARCADIS)***

Engineer: ***ARCADIS***

Brandenburg Submittal No.: MA0481-0017 **Project Code: MA0481**
Revision No.: 0000

Geotextile Fabric Material Submittal

This document has been reviewed, coordinated and checked for accuracy of content and for compliance with the Contract Documents. The information contained herein has been coordinated with all applicable contractors, and is hereby submitted for approval.

Submitted by: *Jason GaNun* Date: February 24, 2011
Eric Ahlgren-Jason GaNun | Project Manager | Brandenburg

Review Status:
No Exceptions Taken _____ Approved as Noted _____ Revise & Resubmit _____ Rejected _____

Approved by:_____ Date: _____

Comments:

Utilized in drains per sediment controls

N060

Technical Data Sheet

N060

Polypropylene NonWoven Fabric

N060 is a polypropylene, needle punched nonwoven geotextile for use in drainage and separation applications. It has been stabilized to resist degradation due to ultraviolet exposure and is resistant to commonly encountered mildew, insects and soil chemicals, and is non-biodegradable.

Property	Test Method	Min Avg. Roll Values
Grab Tensile Strength[1]	ASTM D4632	160 Lbs
Grab Tensile Elongation	ASTM D4632	50%
Puncture Strength	ASTM D4833	85 Lbs
Mullen Burst Strength	ASTM D3786	280 Psi
Trapezoid Tear Strength	ASTM D4533	60 Lbs
Apparent Opening Size (AOS)	ASTM D4751	70 US Sieve
Permittivity (sec^{-1})	ASTM D4491	1.3 sec^{-1}
Flow Rate	ASTM 4632-91	110 gpm/ft^2

Values quoted above are the result of multiple tests conducted at an independent testing facility. N060 meets or exceeds values listed.

[1]Values apply to both machine and cross-machine directions

Packaging		
Roll Width	12.5 ft	15 ft
Roll Length	300 ft	300 ft
Roll Area	417 sy	500 yd^2

2831 Cardwell Road • Richmond, VA 23234
800-448-3636 • www.acfenvironmental.com

MA0481 0105 Casella Waste Recycling Facility Submittal

ARCADIS

Infrastructure · Water · Environment · Buildings

Submittal Review Form

ARCADIS of New York, Inc.
6723 Towpath Road
P.O. Box 66
Syracuse
New York 13214-0066
Tel 315.446.9120
Fax 315.449.0017

Client:	Contractor:	Project:
MLC	Brandenburg	Massena, NY

ENVIRONMENT

Contact:
Margaret Carrillo-Sheridan, P.E.
Phone Number:
315.671.9167

Submittal Number:
MA0481-0105

Submittal Description:
Casella Waste Recycling Facility Submittal

Review Code:

- ☐ R Reviewed
- ☒ N Reviewed and Noted
- ☐ S Resubmit
- ☐ J Rejected
- ☐ I For Your Information

Note:

Facility proposed for disposition of municipal solid waste and recyclables.

Margaret A. Carrillo-Sheridan, P.E. — March 2, 2011 Date

Brandenburg® Industrial Service Company
2217 Spillman Drive
Bethlehem, Pennsylvania 18015-1982
Phone (610) 691-1800
FAX (610) 691-4200

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SUBMITTAL COVER SHEET

PROJECT: ***MLC Massena Power Train MAS-100-AP***

OWNER: ***Motors Liquidation Corporation***

IQAT: ***Margaret Carrillo-Sheridan (ARCADIS)***

Engineer: ***ARCADIS***

Brandenburg Submittal No.: MA0481-0105 **Project Code: MA0481**
Revision No.: 0000

Casella Recycling Facility Submittal

This document has been reviewed, coordinated and checked for accuracy of content and for compliance with the Contract Documents. The information contained herein has been coordinated with all applicable contractors, and is hereby submitted for approval.

Submitted by: *Eric Ahlgren* Date: February 22, 2011
Eric Ahlgren-Jason GaNun | Project Manager | Brandenburg

Review Status:
No Exceptions Taken _____ Approved as Noted _____ Revise & Resubmit _____ Rejected _____

Approved by:_____ Date: _____

Comments:

Waste Stream Inc. Permit
Waste Stream Inc. Application
Waste Stream Inc. Inspection
Waste Stream Inc. Statement relative to violations

Waste Stream Inc. is a Casella Waste Company

95-20-6 (1/96)—25c R6

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DEC PERMIT NUMBER	EFFECTIVE DATE
6-4066-00063/00001	November 1, 2007
FACILITY/PROGRAM NUMBER(s)	EXPIRATION DATE
45T03	November 1, 2012

PERMIT

Under the Environmental Conservation Law (ECL)

TYPE OF PERMIT (Check All Applicable Boxes)

☐ New ☒ Renewal ☐ Modification ☐ Permit to Construct ☒ Permit to Operate

☐ Article 15, Title 5: Protection of Water	☐ Article 17, Titles 7, 8: SPDES	☐ Article 27, Title 9; 6NYCRR 373: Hazardous Waste Management
☐ Article 15, Title 15: Water Supply	☐ Article 19: Air Pollution Control	☐ Article 34: Coastal Erosion Management
☐ Article 15, Title 15: Water Transport	☐ Article 23, Title 27: Mined Land Reclamation	☐ Articles 1, 3, 17, 19, 27, 37; 6NYCRR 380: Radiation Control
☐ Article 15, Title 15: Long Island Wells	☐ Article 24: Freshwater Wetlands	☐ Other: _____
☐ Article 15, Title 27: Wild, Scenic and Recreational Rivers	☐ Article 25: Tidal Wetlands	
☐ 6NYCRR 608: Water Quality Certification	X Article 27, Title 7; 6NYCRR 360: Solid Waste Management	

PERMIT ISSUED TO WASTE STREAM INC.	TELEPHONE NUMBER (315) 265-3860
ADDRESS OF PERMITTEE P. O. Box 5195, Potsdam, NY 13676	
CONTACT PERSON FOR PERMITTED WORK	TELEPHONE NUMBER ( )
NAME AND ADDRESS OF PROJECT/FACILITY WASTE STREAM INC. 472 West Parishville Road, Parishville, NY 13672	
LOCATION OF PROJECT/FACILITY West Parishville Road	

COUNTY	TOWN/CITY/VILLAGE	WATERCOURSE/WETLAND NO.	NYTM COORDINATES
St. Lawrence	Parishville (T)		E:511.2 N:4 943. 4

DESCRIPTION OF AUTHORIZED ACTIVITY

TO OPERATE A TRANSFER STATION RECEIVING HOUSEHOLD AND COMMERCIAL WASTE, GARBAGE, WASTE TIRES, AND C&D DEBRIS AT THE PARISHVILLE FACILITY.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified (See Page 2) and any Special Conditions included as part of this permit.

PERMIT ADMINISTRATOR	ADDRESS	
Lawrence R. Ambeau	317 Washington Street, Watertown, New York 13601	
AUTHORIZED SIGNATURE Lawrence R Ambeau	DATE 7/5/07	Page 1 of 4

DCS1:PERMITP1 4/97

GENERAL CONDITIONS

Inspections

1. The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3). A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Permit Changes and Renewals

2. The Department reserves the right to modify, suspend or revoke this permit when:
   a) the scope of the permitted activity is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
   b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
   c) new material information is discovered; or
   d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.

3. The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

4. The permittee must submit a renewal application at least:
   a) 180 days before expiration of permits for State Pollutant Discharge Elimination System (SPDES), Hazardous Waste Management Facilities (HWMF), major Air Pollution Control (APC) and Solid Waste Management Facilities (SWMF); and
   b) 30 days before expiration of all other permit types.

5. Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Other Legal Obligations of Permittee

6. The permittee has accepted expressly, by the execution of the application, the full legal responsibility for all damages, direct or indirect, of whatever nature and by whomever suffered, arising out of the project described in this permit and has agreed to indemnify and save harmless the State from suits, actions, damages and costs of every name and description resulting from this project.

7. This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

8. The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required for this project.

9. All activities authorized by this permit must be in strict conformance with the approved plans submitted by the applicant or his agent as part of the permit application.
   Such approved plans were prepared by (SEE SPECIAL CONDITION #1)
   ___ on _____.

SPECIAL CONDITIONS

1. The facility must be constructed and operated in strict accordance with 6NYCRR Part 360 (effective November 26, 1996 and any subsequent revisions), the application dated March 30, 2000, the letter dated June 12, 2000 to Mr. Randy Vaas, and the engineering report that was enclosed with the August 4, 2000 letter to Mr. Randy Vaas titled "North Country Trucking, Inc. 6 NYCRR Part 360 Application for Permit Modification", the renewal applications dated October 9, 2002, April 26, 2007, and the permit modification dated October 14, 2005.

2. The approved design capacity, as defined in 360-1.2(b)(8), shall be limited to 40,000 tons per year.

3. The permittee shall submit an annual report to the Department by March 1 of each year for the previous calendar year's activities. The report must be completed on forms provided by the Department in accordance with Part 360-11.4(j).

4. The permittee will notify the Department whenever changes are made in the solid waste disposal location.

5. The facility will be permitted to operate Monday - Saturday from 6:00 AM to 6:00 PM..

6. The facility will not operate or receive waste unless the on-site supervisor or his designee is present.

7. The permittee shall not dispose of any wastes deemed recyclable according to St. Lawrence County's Comprehensive Recycling Analysis.

8. An attendant shall be present at the facility when waste is received from the public to inspect for unauthorized waste.

9. The permittee shall randomly inspect at least three (3) loads of putrescible waste delivered to the facility per week for the presence of recyclables. A log of the inspections must be maintained on site for inspection by Department personnel and shall contain the date and time of the inspection, the hauler's name and origin of waste, whether or not recyclables were found, and what action was taken.

10. Unauthorized materials received at the facility must be removed within 24 hours of receipt. The Regional Solid and Hazardous Materials Engineer will be notified immediately in the event that unauthorized materials are received.

11. All material received will be placed in containers. At no time is any material to be stored on the ground. All material stored outside must be covered.

12. The three survey monuments delineating the southern property line shall be maintained in good condition and shall be repaired as necessary.

13. No open burning will be allowed on site.

14. There will be no on-site disposal of any material.

15. The facility shall be cleaned up at the end of each operating day. All solid waste on the ground, including recyclables, shall be picked up and placed in appropriate containers for either disposal or recycling.

16. The Operations and Maintenance Manual, attached to the April 26, 2007 permit renewal, shall be updated, as necessary, within the facility's annual report or as deemed necessary by the Department.

17. High level alarms for the leachate holding tank shall be tested annually. Records of this testing shall be maintained at the facility.

SPECIAL CONDITIONS

For Article 27, Title 7; 6NYCRR 360 (Solid Waste Management)

18. The permittee shall not accept, at the facility, solid waste which was generated within a municipality that either has not completed a comprehensive recycling analysis or is not included in another municipality's comprehensive recycling analysis satisfying the requirements of subdivision 360-1.9(f) which has been approved by the Department and has implemented the recyclables recovery program determined to be feasible by the analysis.

19. Only source separated municipal solid waste, construction and demolition debris (C&D), and waste tires shall be received at the facility.

20. Waste tires shall be stored, processed and transferred in accordance with Part 360-13.1(b)(1).

21. All wastes received shall be transferred to an off-site permitted treatment, storage, disposal or recycling facility.

22. Blowing debris must be controlled, will be picked up daily, and must be prevented from leaving the facility.

23. The C&D compaction/storage area shall be tarped or otherwise covered at the end of each day's operation.

New York State Department of Environmental Conservation
Division of Solid and Hazardous Materials, Region 6
Dulles State Office Building, 317 Washington Street, Watertown, New York 13601-3787
Phone: (315) 785-2513 • FAX: (315) 785-2422
Website: www.dec.state.ny.us

John P. Cahill
Commissioner

June 29, 2000

Mr. Chester W. Bisnett
WASTE-STREAM, INC.
P.O. Box 5195, Outer Maple Street
Potsdam, NY 13676

RE: WASTE-STREAM, RECYCLABLES HANDLING AND RECOVERY FACILITY
WILLISVILLE ROAD, PARISHVILLE (T), ST. LAWRENCE COUNTY

Dear Mr. Bisnett:

This letter is to acknowledge receipt of your June 20, 2000 registration form for a Recyclables Handling and Recovery Facility. This letter does not, in any way, verify that the information you provided on that form is true or correct.

Enclosed you will find a validated copy of your registration form. Please make sure that this letter remains attached to the validated copy. Also enclosed are the various operating requirements that must be followed to warrant your facility's continued status as a registered facility.

Also enclosed are two extra copies of the Registration Report. If you have any questions, please feel free to give me a call.

Sincerely,

John P. Kenna, P.E.
Regional Solid/Haz. Materials Engineer

JPK:kw
Enclosures

cc: Peter Taylor/Jennifer Brown

NEW YORK STATE CENSUS 2000
BE PART OF THE COUNT
SEA PARTE DE LA CUENTA

New York State Department of Environmental Conservation
Division of Solid and Hazardous Materials, Region 6
6739 U.S. Highway 11, Potsdam, New York 13676
Phone: (315) 265-3090 • **FAX:** (315) 265-2513
Website: www.dec.state.ny.us

Denise Sheehan
Commissioner

November 30, 2006

Ms. Pamela Helming
CASELLA WASTE MANAGEMENT
3555 Post Farm Road
Stanley, New York 14561

RE: WASTE STREAM INC. RECYCLABLES HANDLING & RECOVERY FACILITY
WEST PARISHVILLE ROAD, PARISHVILLE (T), ST. LAWRENCE COUNTY

Dear Ms. Helming:

The Department is in receipt of your request to increase the recycling handling and recovery design capacity from the current 2000 tons/year to 7000 tons/year and increase the onsite storage from 160 tons to 320 tons. It has also been requested to change the operating hours of the recycling facility to match the existing hours of the transfer station of 6:00am - 6:00pm Monday thru Saturday.

We deem the above design capacity increase, on-site storage increase, and operating hour changes acceptable. The on site storage must be done in a way that will not adversely affect the marketability of the recyclables (i.e., exposure to the sun or weather conditions). The facility needs to comply with all applicable regulations in 6 NYCRR Part 360 Solid Waste Management Facilities.

If you have any questions, please feel free to give me a call.

Sincerely,

Jennifer L. Lauzon
Environmental Engineer

Enclosure

cc: Ed Blackmer
Chester Bisnett - Waste Stream Inc.

Casella Waste Management of N.Y., Inc.

1879 Route 5 & 20
Stanley, NY 14561

(585) 526-4420
(585) 526-5459 Fax

December 6, 2006

NYS Department of Environmental Conservation
Jennifer Lauzon
6739 US Route 11
Potsdam, NY 13676

RE: Waste Stream, Inc. (WSI)
Recyclables Handling and Recovery Facility
DEC ID #45M11

Dear Jennifer,

Waste Stream Incorporated (WSI) is seeking departmental approval to amend our current Recyclables Handling and Recovery Facility registration. Specifically, WSI would like to modify the design capacity from 7000 tons/ year to 8000 tons/ year. This proposed increase would not require any changes to our current operating procedures.

The Town of Parishville Planning Board reviewed our proposal to increase the design capacity and determined the increase would result in "no negative environmental, social or economic impacts". I believe Fred Wilhelm sent you a letter dated November 14, 2006 confirming the Planning Board's positive recommendations.

Ms. Lauzon, please feel free to contact Skip Bisnett or myself with any questions or comments regarding this application.

Thanks again for all of your help!

Sincerely,

Pam Helm

Pamela A. Helming,
Regional Compliance Specialist

Cc: Chester Bisnett, WSI
Karen Flanders, CWS
file

printed on recycled paper

New York State Department of Environmental Conservation
Division of Solid and Hazardous Materials, Region 6
6739 U.S. Highway 11, Potsdam, New York 13676
Phone: (315) 265-3090 • FAX: (315) 265-2513
Website: www.dec.state.ny.us

Denise Sheehan
Commissioner

December 11, 2006

Ms. Pamela Helming
CASELLA WASTE MANAGEMENT
3555 Post Farm Road
Stanley, New York 14561

RE: WASTE STREAM INC. RECYCLABLES HANDLING & RECOVERY FACILITY
WEST PARISHVILLE ROAD, PARISHVILLE (T), ST. LAWRENCE COUNTY

Dear Ms. Helming:

The Department is in receipt of your letter requesting to modify the recent increase of the recycling handling and recovery design capacity from the current 7000 tons/year to 8000 tons/year.

We deem the above design capacity increase acceptable. The facility needs to comply with all applicable regulations in 6 NYCRR Part 360 Solid Waste Management Facilities.

If you have any questions, please feel free to give me a call.

Sincerely,

Jennifer Lauzon

Jennifer L. Lauzon
Environmental Engineer

cc: Ed Blackmer
Chester Bisnett - Waste Stream Inc.

020 (01/94)
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID WASTE

REGISTRATION FORM FOR A SOLID WASTE MANAGEMENT FACILITY

Please read and follow all instructions before completing this registration form

Please Type or Print clearly THIS IS NOT A UPA PERMIT

DEPARTMENT USE ONLY					
DEC REGISTRATION #	4	5	A	1	1
DEC ADMINISTRATION #					
DATE RECEIVED ____/____/____					

1. FACILITY NAME AND LOCATION	2. FACILITY OWNER'S NAME
Waste-Stream, Inc.	Waste-Stream, Inc.
Street: Willisville Road	Mailing Address: PO Box 5195, Outer Maple Street
City/Village: Parisville NY 13672	City/Town/Village: Potsdam NY 13676
Town: Parishville County: St. Lawrence	State/Zip Code: New York 13676
Telephone Number: (315) 265-3860	Telephone Number: (315) 265-3860
3. FACILITY OPERATOR'S NAME (if different)	**4. SITE OWNER'S NAME (if different)**
Waste-Stream Inc.	Waste-Stream Inc.
Mailing Address: PO Box 5195, Outer Maple Street	Mailing Address: PO Box 5195, Outer Maple Street
City/Town/Village: Potsdam	City/Town/Village: Potsdam
State/Zip Code: New York 13676	State/Zip Code: New York 13676
Telephone Number: (315) 265-3860	Telephone Number: (315) 265-3860

5. TYPE OF FACILITY REGISTRATION (check all applicable boxes)

- [ ] Energy Recovery Incinerators or Pyrolysis Units [360-3.1(c)]
- [ ] Land Application and Sludge Storage Facilities [360-4.1(c)]
- [ ] Composting and Other Distribution and Marketing Facilities [360-5.3(b)]
- [ ] Land Clearing Debris Landfills three acres or less [360-7.2(a)]
- [ ] Transfer Stations (municipally owned/operated/contracted) receiving less than 50,000 cubic yards or 12,500 tons of household solid waste annually [360-11.1(b)(1)]
- [ ] Transfer Stations (municipally owned/operated/contracted) receiving less than 50,000 cubic yards or 12,500 tons of containerized solid waste annually [360-11.1(b)(2)]
- [X] Source Separated, Nonputrescible Solid Waste Recyclables Handling and Recovery Facilities [360-12.1(d)]
- [ ] Waste Tire Retreaders [360-13.1(d)(1)(i)]
- [ ] Waste Tires Stored for On-site Energy Recovery [360-13.1(d)(1)(ii)]
- [ ] Tire Dealers Selling Waste Tires [360-13.1(d)(1)(iii)]
- [ ] Tire Manufacturing Facilities [360-13.1(d)(1)(iv)]
- [ ] Processing Facilities Receiving Only Recognizable Uncontaminated Concrete, Asphalt Pavement, Brick, Soil or Rock [360-16.1(d)(1)(i)]
- [ ] Uncontaminated Unadulterated Wood Processing Facilities [360-16.1(d)(1)(ii)]
- [ ] Other Facilities not specifically described above, Specify Type ____

6. SOLID WASTE HANDLED

a. List wastes and/or materials to be accepted mixed paper, cardboard, glass, metal and plastics

b. Quantity (Specify Units - see instructions)
design capacity See attached Schedule A
storage on site See attached Schedule A

7. OPERATIONS SCHEDULE - Normal schedule of operation
See Attached Schedule A

8. NAME(S) OF ALL MUNICIPALITIES SERVED
See Attached Schedule A

9. CERTIFICATION:
I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have the authority as [illegible] (title) of [illegible] (Entity) to sign this registration form pursuant to 6 NYCRR Part 360. By signing this registration form, I affirm that I have read the applicable regulations and will abide by all conditions of the registration requirements. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Printed/Typed Name	Signature	Mo.	Day	Year
[illegible]	[illegible]	01	21	02

REGISTRANT'S VALIDATED COPY - COPY #3
(To Be Returned by Dec.)

15-TE (1/98)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

DISTRIBUTION ROUTING
WHITE COPY – Regional Office
YELLOW COPY – Central Office
PINK COPY – Facility
GREEN COPY – Inspector

6 NYCRR Subpart 360-11
SOLID WASTE MANAGEMENT FACILITY INSPECTION REPORT
(For Use at Transfer Stations)

FACILITY NAME	LOCATION	FACILITY NUMBER	DATE	TIME
Waste Stream Not	West Parksville Rd Parksville (D) St. Lawrence Co.	415-1-030831	10/1/00	
INSPECTOR'S NAME	CODE	PERSONS INTERVIEWED AND TITLES		
J. Lozzo		D. Dawson - Scale Master		
REGION	WEATHER CONDITIONS	DEC PERMIT NUMBER		
6	Sunny, Light breeze, warm ~80	4-0101-00030/00011-14		
SHEET	CONTINUATION SHEET ATTACHED	PART(S) 360		
1 OF 1	☐ Yes ☒ No			Attached

Violations of Part 360 are Subject to Applicable Civil, Administrative and Criminal Sanctions Set Forth in ECL Article 71 and as Appropriate the Clean Water and Clean Air Acts. Additional and/or Multiple Violations May Be Described on the Attached Continuation Sheet.

This form is a record of conditions which are observed in the field at the time of inspection.

Items marked N indicate no inspection and do not mean no violation has occurred.

☐ PART 360 PERMIT ☐ ORDER ON CONSENT ☐ REGISTERED ☐ EXEMPT ☐ COMPLAINT

C	NI	V	
			FACILITY MANAGEMENT
☒	☐	☐	1. Solid waste management facility is authorized and management occurs within approved area. 360-1.7(a)(1)(b); 360-1.8(h)(5)
☒	☐	☐	2. Incoming solid waste is monitored by a control program for unauthorized waste and solid waste materials accepted are those authorized and approved for management at the facility
☒	☐	☐	a. Control Program. 360-1.14(b)(1)
☒	☐	☐	b. Department Approved Facility for Specific Wastes. 360-1.14(g); 360-1.4(b)(m)
☒	☐	☐	c. Signs 360-1.14(o)
☒	☐	☐	3. Operator maintains and operates facility components and equipment in accordance with the permit and their intended use
☒	☐	☐	a. Maintenance of Facility Components/Site Grading. 360-1.14(l)(1)
☒	☐	☐	b. Adequate Equipment. 360-1.14(l)(2)
☒	☐	☐	c. Drainage. 360-1.14(l)
☐	☒	☐	4. Operational records are available where required
☐	☒	☐	a. Unauthorized Solid Waste Records. 360-1.14(l)(n)
☐	☒	☐	b. Self Inspection Records. 360-1.14(l)(2)
☐	☒	☐	c. Permit Application Records. 360-1.14(l)(3)
☐	☒	☐	d. Monitoring Records. 360-1.14(l)(4)
☐	☒	☐	e. Facility Operator Records. 360-1.14(l)(b)
☐	☒	☐	f. Daily Log of Solid Waste. 360-1.14(l)
			OPERATION CONTROL
☐	☐	☒	5. Solid waste, including blowing litter, is sufficiently confined or controlled. 360-1.14(l); 360-1.14(e)
☒	☐	☐	6. Dust is effectively controlled and does not constitute an off-site nuisance. 360-1.14(k)
☒	☐	☐	7. Off-site vector populations are prevented or controlled and vector breeding areas are prevented. 360-1.14(l); 360-1.14(b)
☒	☐	☐	8. Odors are effectively controlled so that they do not constitute a nuisance. 360-1.14(m); 360-1.14(e)
			WATER
☒	☐	☐	9. Solid waste is prevented from entering surface waters and/or groundwaters. 360-1.14(b)(1)
☒	☐	☐	10. Leachate is minimized through drainage control or other means and is prevented from entering surface waters. 360-1.14(b)(2)
			ACCESS
☒	☐	☐	11. Access to the facility is strictly and continuously controlled by fencing, gates, signs, natural barriers or other suitable means. 360-1.14(d)
☒	☐	☐	12. On-site roads are passable. 360-1.14(n)
			WASTE HANDLING
☒	☐	☐	13. Adequate storage of incoming solid waste is available. 360-1.14(g)
☒	☐	☐	14. Putrescible solid waste is removed when transfer containers are full or within seven days of receipt. 360-1.14(l)
☒	☐	☐	15. Processing, tipping, sorting, storage, compaction, and related activities are in an enclosed or covered area (for transfer stations receiving more than 50,000 cubic yards or 12,500 tons of solid waste annually). 360-1.14(n)(1)
☒	☐	☐	16. Incoming waste is weighed or measured before unloading (for transfer stations receiving more than 50,000 cubic yards or 12,500 tons of solid waste annually). 360-1.14(n)(2)
☒	☐	☐	17. Station is cleaned or washed down each day to prevent odors or other nuisance conditions (for transfer stations receiving more than 50,000 cubic yards or 12,500 tons of solid waste annually). 360-1.14(n)(3)
			OTHER
			On Continuation Sheet identify any other violations.
			Does not apply to a registered transfer station.

X Waste on ground around facility (around boxes, next to transfer building, near recycling building, other areas)

I hereby acknowledge receipt of the Facility Copy of this Inspection Report sheet.

Individual in Responsible Charge (Please print)

Inspector's Signature

Signature — Date 8/31/10

FACILITY COPY

From: Skip Bisnett [Skip.Bisnett@CASELLA.COM]
Sent: Saturday, February 19, 2011 8:29 AM
To: Ahlgren, Eric
Attachments: SCAN6316_000.pdf; SCAN6315_000.pdf; 20110218163003002.pdf; Operating permit page 1.pdf

(See attached file: SCAN6316_000.pdf) Materials Recovery Facility Registration and communication to expand tons per year from original registration. We recover paper, occ and glass, metal can and plastic here.

Hi Eric,

Sorry I did not get this out to you yesterday. I was at another hauling division assisting them on their budget. This should answer your request for information. Trash from the site will go to our transfer station and then to DANC. I have only had 1 littering violation, no fine, more of a warning. We changed procedures without incident. Since the violation the DEC has allowed us to expand to wood waste recycling, electronics, lamp recycling and on site tire storage. If you have unresolved problems they will not expand items on your footprint. Any recycling will go to our MRF and be prepared and sent to market. Any other questions please call.

(See attached file: SCAN6315_000.pdf) Current Transfer Station Permit. We have had 1 violation in 10 years on the site. We received a littering violation and to satisfy the inspection changed our daily operational policing policy from 1 time per day to beginning and end of day or in the event of high winds as needed. This change satisfied the agency.

(See attached file: 20110218163003002.pdf) Letter From the Development Authority of the North Country (DANC) landfill identifying it has not had any violations

*(See attached file: Operating permit page 1.pdf)*DANC permit

MA0481 0106 DANC Landfill Facility Submittal

ARCADIS

Infrastructure · Water · Environment · Buildings

Submittal Review Form

ARCADIS of New York, Inc.
6723 Towpath Road
P.O. Box 66
Syracuse
New York 13214-0066
Tel 315.446.9120
Fax 315.449.0017

Client:	Contractor:	Project:
MLC	Brandenburg	Massena, NY

ENVIRONMENT

Contact:
Margaret Carrillo-Sheridan, P.E.
Phone Number:
315.671.9167

Submittal Number:
MA0481-0106

Submittal Description:
DANC Landfill Facility Submittal

Review Code:

- ☐ R Reviewed
- ☒ N Reviewed and Noted
- ☐ S Resubmit
- ☐ J Rejected
- ☐ I For Your Information

Note:

Facility proposed for disposition of municipal solid waste.

Margaret A. Carrillo-Sheridan, P.E. — March 2, 2011 Date

Brandenburg® Industrial Service Company
2217 Spillman Drive
Bethlehem, Pennsylvania 18015-1982
Phone (610) 691-1800
FAX (610) 691-4200

Brandenburg®

www.Brandenburg.com

SUBMITTAL COVER SHEET

PROJECT: *MLC Massena Power Train MAS-100-AP*

OWNER: *Motors Liquidation Corporation*

IQAT: *Margaret Carrillo-Sheridan (ARCADIS)*

Engineer: *ARCADIS*

Brandenburg Submittal No.: MA0481-0106 **Project Code: MA0481**
Revision No.: 0000

DANC Landfill Submittal

This document has been reviewed, coordinated and checked for accuracy of content and for compliance with the Contract Documents. The information contained herein has been coordinated with all applicable contractors, and is hereby submitted for approval.

Submitted by: *Eric Ahlgren* Date: February 22, 2011
Eric Ahlgren-Jason GaNun | Project Manager | Brandenburg

Review Status:
No Exceptions Taken _____ Approved as Noted _____ Revise & Resubmit _____ Rejected _____

Approved by:_____ Date: _____

Comments:

DANC. Permit
DANC Inspection

85-20-6 (1/96)--25c R6

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DEC PERMIT NUMBER		EFFECTIVE DATE
6-2252-00007/00006		June 3, 2008
FACILITY/PROGRAM NUMBER(s)	**PERMIT** Under the Environmental Conservation Law (ECL)	EXPIRATION DATE
MLR #602-4-30-0691 23S13		August 27, 2012

TYPE OF PERMIT (Check All Applicable Boxes)

New ☐ Renewal X Modification ☐ Permit to Construct ☐ Permit to Operate

☐ Article 15, Title 5: Protection of Water	☐ Article 17, Titles 7, 8: SPDES	☐ Article 27, Title 9; 6NYCRR 373: Hazardous Waste Management
☐ Article 15, Title 15: Water Supply	☐ Article 19: Air Pollution Control	☐ Article 34: Coastal Erosion Management
☐ Article 15, Title 15: Water Transport	☐ Article 23, Title 27: Mined Land Reclamation	☐ Articles 1, 3, 17, 19, 27, 37; 6NYCRR 380: Radiation Control
☐ Article 15, Title 15: Long Island Wells	☐ Article 24: Freshwater Wetlands	☐ Other: _____
☐ Article 15, Title 27: Wild, Scenic and Recreational Rivers	☐ Article 25: Tidal Wetlands	
☐ 6NYCRR 608: Water Quality Certification	X Article 27, Title 7; 6NYCRR 360: Solid Waste Management	

PERMIT ISSUED TO Development Authority of the North Country	TELEPHONE NUMBER (315) 785-2593
ADDRESS OF PERMITTEE 317 Washington Street, Watertown, NY 13601	
CONTACT PERSON FOR PERMITTED WORK Robert Juravich, Executive Director	TELEPHONE NUMBER (315) 785-2593
NAME AND ADDRESS OF PROJECT/FACILITY Solid Waste Management Facility, NYS Route 177, Rodman, NY 13682	
LOCATION OF PROJECT/FACILITY 23680 NYS Route 177, Rodman, NY 13682	

COUNTY	TOWN~~/CITY/VILLAGE~~	WATERCOURSE~~/WETLAND NO.~~	NYTM COORDINATES
Jefferson	Rodman (T)		E: 426.3 N:4851.6

DESCRIPTION OF AUTHORIZED ACTIVITY

Operate a solid waste management facility consisting of a 78 acre sanitary landfill to a maximum height of 1280 feet above mean sea level at a rate not exceeding 1110 tons of solid waste per day as an annual daily average based on a 6 day per week, 312 days per year, in accordance with the approved plans and specifications. Excavate a reclaim glacial till from soil borrow areas #1, #2, and #3, and excavate and reclaim aggregate borrow areas #1 and #2 all in accordance with plans submitted on April 22, 1994. Permit modified to include operation of a landfill gas collection and conveyance system for a landfill gas to energy facility.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified (**See Page 2**) and any Special Conditions included as part of this permit.

PERMIT ADMINISTRATOR	ADDRESS	
Lawrence R. Ambeau	317 Washington Street, Watertown, New York 13601	
AUTHORIZED SIGNATURE Lawrence R. Ambeau	DATE 6/3/2008	Page 1 of 10

DCS1:PERMITP1 4/97

47-15-1A (1/98)—q

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

DISTRIBUTION ROUTING
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YELLOW COPY—Central Office
PINK COPY—Facility
GREEN COPY—Inspector

6 NYCRR Subpart 360-2
SOLID WASTE MANAGEMENT FACILITY INSPECTION REPORT
(For Use at Mixed Solid Waste Landfills, Industrial/Commercial Waste Monofills, or Ash Residue Monofills)

FACILITY NAME	LOCATION	FACILITY NUMBER	DATE	TIME
Danc	Route 177 Rodman (T) Jefferson Cty	23S113	11/23/10	0930

INSPECTOR'S NAME	CODE	PERSONS INTERVIEWED AND TITLES
J. Lauzon	S	Mark Tuo - Environmental Tech

REGION	WEATHER CONDITIONS	DEC PERMIT NUMBER
6	Raining ≈50°	6-2252-00007/00006-1

SHEET	CONTINUATION SHEET ATTACHED	PART(S) 360-
1 OF 1	☐ Yes ☒ No	Attached

☒ ☐ ☐ 20. Decomposition gases are monitored and controlled. 360-2.17(f); 360-8.3(c).

OTHER
On Continuation Sheet identify any other violations.

I hereby acknowledge receipt of the Facility Copy of this Inspection Report sheet.

Individual in Responsible Charge (Please print)

Signature Date

Inspector's Signature

FACILITY COPY

Dulles State Office Building · 317 Washington Street, Suite 404 · Watertown, New York 13601 · Telephone (315) 785-2593 · Telefax (315) 785-2591 · TDD (800) 662-122

Development Authority of the North Country

Water and Wastewater Facilities
Warneck Pump Station
23557 NYS Route 37
Watertown, New York 13601

Telephone (315) 782-8661
Telefax (315) 786-2971
Emergency Telephone (315) 786-4000

Open Access Telecom Network
Dulles State Office Building
317 Washington Street, Suite 406
Watertown, New York 13601

Telephone (315) 785-2593
Telefax (315) 785-2591
Emergency Telephone (866) 669-3262

Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682

Telephone (315) 232-3236
Telefax (315) 232-3019

February 18, 2011

Mr. Skip Bisnett
Casella Waste Services
472 West Parishville Rd.
Potsdam, NY 13676

RE: Development Authority of the North Country's Solid Waste Management Facility Operating Permit #6-2252-00007/00006.

Dear Mr. Bisnett:

This letter is in response to your request for a summary of any past violations of the Authority's New York State Department of Environmental Conservation's Part 360 Operating Permit. The Authority does not have a history of any violations of its permit to operate. If you require any additional information, please do not hesitate to call.

Sincerely,

Thomas Sauter
Deputy Executive Director

Enc. Page 1, NYSDEC Operating Permit # 6-2252-00007/00006

We are an equal opportunity provider and employer. Complaints of discrimination should be sent to USDA, Director, Office of Civil Rights, 1400 Independence Ave. S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD).

MA0481 0107 Industrial Oil Tank Services Submittal

ARCADIS

Infrastructure · Water · Environment · Buildings

Submittal Review Form

ARCADIS of New York, Inc.
6723 Towpath Road
P.O. Box 66
Syracuse
New York 13214-0066
Tel 315.446.9120
Fax 315.449.0017

Client:	Contractor:	Project:
MLC	Brandenburg	Massena, NY

ENVIRONMENT

Contact:
Margaret Carrillo-Sheridan, P.E.
Phone Number:
315.671.9167

Submittal Number:
MA0481-0107

Submittal Description:
Industrial Oil Tank Services Submittal

Review Code:

- ☐ R Reviewed
- ☒ N Reviewed and Noted
- ☐ S Resubmit
- ☐ J Rejected
- ☐ I For Your Information

Notes:

1. Reviewed for disposition of used, non-TSCA regulated oils.
2. Waste profile information to be provided for review prior to transport off-site to Industrial Oil Task Services Corporation.

Margaret A. Carrillo-Sheridan

Margaret A. Carrillo-Sheridan, P.E. — March 2, 2011 Date

Brandenburg® Industrial Service Company
2217 Spillman Drive
Bethlehem, Pennsylvania 18015-1982
Phone (610) 691-1800
FAX (610) 691-4200

Brandenburg®

www.Brandenburg.com

SUBMITTAL COVER SHEET

PROJECT: *MLC Massena Power Train MAS-100-AP*

OWNER: *Motors Liquidation Corporation*

IQAT: *Margaret Carrillo-Sheridan (ARCADIS)*

Engineer: *ARCADIS*

Brandenburg Submittal No.: MA0481-0107 **Project Code: MA0481**
Revision No.: 0000

Industrial Oil Tanks Services Submittal

This document has been reviewed, coordinated and checked for accuracy of content and for compliance with the Contract Documents. The information contained herein has been coordinated with all applicable contractors, and is hereby submitted for approval.

Submitted by: *Eric Ahlgren* Date: February 24, 2011
Eric Ahlgren-Jason GaNun | Project Manager | Brandenburg

Review Status:
No Exceptions Taken _____ Approved as Noted _____ Revise & Resubmit _____ Rejected _____

Approved by:_____ Date: _____

Comments:

Industrial Tank Services Permit
Facility Inspection
Draft Non-hazardous Manifest
Transporter Permit

ACKNOWLEDGEMENT OF NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

06/12/95

This is to acknowledge that you have filed a **Notification of Hazardous Waste Activity** for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act *(RCRA)*. Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER ->	NYR000005298
FACILITY NAME ->	INDUSTRIAL OIL TANK SERVICE CO
MAILING ADDRESS ->	PO BOX 167 VERONA, NY 13478 → 120 DRY ROAD ORISKANY, NY 13424
INSTALLATION ADDRESS ->	120 DRY RD ORISKANY, NY 13424

EPA Form 8700-12AB (4-80)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
290 BROADWAY
NEW YORK, NEW YORK 10007-1866

ATTN: AIR & WASTE MANAGEMENT DIVISION, 22ND FL.
HAZARDOUS & SOLID WASTE PROGRAMS BRANCH
RCRA NOTIFICATIONS

TO: HITCHINGS, JOHN
PRES
INDUSTRIAL OIL TANK SERVICE CO
PO BOX 167
VERONA, NY 13478

95-20-6 (1/96)–25c R6

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DEC PERMIT NUMBER	EFFECTIVE DATE
6-3070-00077/00001	December 1, 2009
FACILITY/PROGRAM NUMBER(s)	EXPIRATION DATE
33O03	November 30, 2014

PERMIT

Under the Environmental Conservation Law (ECL)

TYPE OF PERMIT (Check All Applicable Boxes)

☐ New ☒ Renewal ☐ Modification ☐ Permit to Construct ☒ Permit to Operate

☐ Article 15, Title 5: Protection of Water	☐ Article 17, Titles 7, 8: SPDES	☐ Article 27, Title 9; 6NYCRR 373: Hazardous Waste Management
☐ Article 15, Title 15: Water Supply	☐ Article 19: Air Pollution Control	☐ Article 34: Coastal Erosion Management
☐ Article 15, Title 15: Water Transport	☐ Article 23, Title 27: Mined Land Reclamation	☐ Articles 1, 3, 17, 19, 27, 37; 6NYCRR 380: Radiation Control
☐ Article 15, Title 15: Long Island Wells	☐ Article 24: Freshwater Wetlands	☐ Other: _____
☐ Article 15, Title 27: Wild, Scenic and Recreational Rivers	☐ Article 25: Tidal Wetlands	
☐ 6NYCRR 608: Water Quality Certification	X Article 27, Title 7; 6NYCRR 360: Solid Waste Management	

PERMIT ISSUED TO Industrial Oil Tank Service Corporation	TELEPHONE NUMBER (315) 736-6080
ADDRESS OF PERMITTEE 120 Dry Road, Oriskany, NY 13424	
CONTACT PERSON FOR PERMITTED WORK John Hitchings, President/Owner	TELEPHONE NUMBER (315) 736-6080
NAME AND ADDRESS OF PROJECT/FACILITY Industrial Oil Tank Service Corporation 120 Dry Road, Oriskany, NY 13424	
LOCATION OF PROJECT/FACILITY Dry Road Facility, Oneida County Airport Industrial Park	

COUNTY	TOWN/CITY/VILLAGE	WATERCOURSE/WETLAND NO.	NYTM COORDINATES
Oneida	Whitestown		E:468.5 N:4777.8

DESCRIPTION OF AUTHORIZED ACTIVITY

Operation of a waste oil and petroleum waste processing and storage facility. The products received and processed include fuel oil tank bottoms, used or waste oil, precipitation contaminated with petroleum products, water soluable oil and gasoline tank bottoms. The facility is located on Dry Road in the Oneida County Airport Industrial Park, Town of Whitestown, Oneida County.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified (See Page 2) and any Special Conditions included as part of this permit.

DEPUTY PERMIT ADMINISTRATOR	ADDRESS	
Patrick M. Clearey	207 Genesee Street, 14th Floor, Utica, New York 13501-2885	
AUTHORIZED SIGNATURE Patrick M. Clearey	DATE 9/30/2009	Page 1 of 5

DCS1:PERMITP1 4/07

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

PART 364
WASTE TRANSPORTER PERMIT NO. 6A-282

Pursuant to Article 27, Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

INDUSTRIAL OIL TANK SERVICE CORPORATION
120 DRY ROAD
ORISKANY, NY 13424

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

CONTACT NAME:	JOHN HITCHINGS	EFFECTIVE DATE:	02/11/2011
COUNTY:	ONEIDA	EXPIRATION DATE:	08/13/2011
TELEPHONE NO:	(315)736-6080	US EPA ID NUMBER:	NYR000005298

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY:

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)
EVERCLEAR	AUSTINTOWN , OH	Waste Oil
INDUSTRIAL OIL TANK SERVICE CORPORATION	ORISKANY , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Waste Oil
NORLITE CORPORATION	COHOES , NY N	on-Hazardous Industrial/Commercial Hazardous Industrial/Commercial
PARADISE HEATING OIL	OSSINING , NY	Waste Oil
WATERTOWN POLLUTION CONTROL PLANT	WATERTOWN , NY	Non-Hazardous Industrial/Commercial Sludge from Sewage or Water Supply Treatment Plant

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS:

New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7253

AUTHORIZED SIGNATURE: Jack A. Avers Date: 2/14/2011

ONEIDA COUNTY DEPARTMENT OF
WATER QUALITY & WATER POLLUTION CONTROL
51 Leland Ave, PO Box 442, Utica, NY 13503-0442
(315) 798-5656 wpc@ocgov.net FAX 724-9812

Anthony J. Picente, Jr.
County Executive

Steven P. Devan, P.E.
Commissioner

INDUSTRIAL WASTEWATER DISCHARGE PERMIT

Permit No.035

In accordance with provisions of Local Law No.1 of 2006, the Oneida County Sewer Use Rules & Regulations; and also with any applicable provisions of federal or state law or regulation,

PERMISSION IS HERBY GRANTED TO:

Industrial User Name: INDUSTRIAL OIL TANK SERVICE CORPORATION

Facility Address: 120 DRY ROAD

ORISKANY NY 13424

for the discharge of industrial wastewater from the above identified facility into sewers tributary to the Oneida County Water Pollution Control Plant in accordance with the conditions set forth in this permit. In addition to the conditions contained in this document, the Oneida County Sewer District (OCSD) is incorporating by reference all applicable provisions and requirements of Federal Regulation 40 CFR 403 "General Pretreatment Regulations for Existing and New Sources of Pollution", Local Law No.1 of 2006, the Oneida County Sewer Use Rules & Regulations, and the Centralized Waste Treatment Regulation (40 CFR 437) into this permit.

Note; this permit does not relieve the permit holder of the responsibility of complying with any other applicable federal, state or local laws, regulations and/or ordinances.

This permit consists of Part I which includes conditions specific to this discharge permit, and Part II which includes general conditions that are common to all industrial discharge permits.

Effective Date: JANUARY 29, 2008
Expiration Date: JANUARY 29, 2013

Issued by:

THE ONEIDA COUNTY DEPARTMENT OF
WATER QUALITY & WATER POLLUTION CONTROL

Steven P. Devan, P.E.
Commissioner

New York State Department of Environmental Conservation

Registration ID: 6-3070-00077/00008 **Facility DEC ID:** 6-3070-00077

AIR FACILITY REGISTRATION CERTIFICATE
in accordance with 6 NYCRR Subart 201-4

Registration Issued to: INDUSTRIAL OIL TANK SERVICE CORPORATION
120 DRY RD
ORISKANY,NY 13424-4311

Contact: JOHN HITCHINGS
INDUSTRIAL OIL TANK SERVICE CORPORATION
120 DRY ROAD
ORISKANY,NY 13424
(315) 736-6080

Facility: INDUSTRIAL OIL TANK SERVICE CORPORATION - DRY RD FACILITY
120 DRY RD
ORISKANY,NY 13424

Description:

Industrial Oil Tank Service Corporation (IOTSC) is a used oil processing facility that is permitted under 6NYCRR Part 360. IOTSC processes chemically or mechanically emulsified oils as well as water-gasoline mixtures. Material is reclaimed from these mixtures by physical and chemical separation of the components in various stages. Reclaimed oil is either used on-site in a boiler or along with reclaimed gasoline is shipped offsite for energy recovery. The other material from the separation processes is treated further to remove solids and metals and the wastewater is discharge to the local sewer under permit with the local Public Owned Treatment Works (POTW).

The emission points include:

-00001-Process tank for gas/water mixture (7)
-00002-Process tank for gas/water mixture (8)
-00003-Process tank for gas/water mixture (9)
-00004-Process tank for oil mixture (P-1)
-00005-Process tank for oil mixture (P-2)

The exempt and trivial sources include:

-8.3 MMBTU/hr Boiler
-Stripper #1-for water contaminated material
-Stripper #2-for water contaminated material
-Storage tank for oil that is to be shipped off-site (17)
-3 Storage tanks for oil for the boiler (10,11,18)
-3 Storage tank for emulsified oil coming in (3,5,6)
-Holding tank for processed oil (P-22)
-3 Tanks for wastewater treatment before discharge to the sewer.

Facility shall keep records of material throughput of the facility, and all recordkeeping requirements associated with the requirements listed in this registration.

Total Number of Emission Points: 5 **Cap By Rule:** Yes

New York State Department of Environmental Conservation

Registration ID: 6-3070-00077/00008 **Facility DEC ID: 6-3070-00077**

AIR FACILITY REGISTRATION CERTIFICATE
in accordance with 6 NYCRR Subart 201-4

Authorized Activity By Standard Industrial Classification Code:
5093 - SCRAP AND WASTE MATERIALS

Registration Effective Date: 10/22/2010 **Registration Expiration Date:** (Not Applicable)

List of Regulations in Application:

6 NYCRR Part 200	General Provisions
6 NYCRR Part 201	Permits and Certificates
6 NYCRR Part 211	General Prohibitions
6 NYCRR Part 212	General Process Emission Sources
6 NYCRR Part 217	Motor Vehicle Emissions
6 NYCRR Part 480	Environmental Regulatory Program Fees
6 NYCRR Part 481	Program Fees: In General
6 NYCRR Part 215	Open Fires

Thomas F. Morgan

THOMAS F MORGAN
REGION 6 AIR POLLUTION CONTROL ENGINEER
NYSDEC AIR RESOURCES
317 WASHINGTON ST 7TH FL
WATERTOWN,NY 13601

This registrant is required to operate this facility in accordance with all air pollution control applicable Federal and State laws and regulations. Failure to comply with these laws and regulations is a violation of the ECL and the registrant is subject to fines and/or penalties as provided by the ECL. If ownership of this facility changes, the registrant is required to notify the Department at the address shown below using the appropriate forms and procedures within 30 days after the transfer takes place. The present registrant will continue to be responsible for all fees and penalties until the Department has been notified of any change in ownership.

New York State Department of Environmental Conservation
PETROLEUM BULK STORAGE CERTIFICATE
625 Broadway, 11th Floor, Albany, NY 12233-7020 Phone: 518-402-9553

Region 6 NYSDEC - PBS Unit
State Office Building - 317 Washington Street
Watertown, NY 13601-3787
(315) 785-2513

TANK NUMBER	TANK LOCATION	DATE INSTALLED	TANK TYPE	PRODUCT STORED	CAPACITY (GALLONS)	DATE LAST TESTED	TESTING DUE DATE
3	Aboveground - in contact with impervious barrier	02/01/1996	Steel/Carbon Steel/Iron	Used Oil (Heating)	15,600		*
5	Aboveground - in contact with impervious barrier	02/01/1996	Steel/Carbon Steel/Iron	Waste Oil/Used Oil	15,600		*
6	Aboveground - in contact with impervious barrier	02/01/1996	Steel/Carbon Steel/Iron	Waste Oil/Used Oil	15,600		*

* Aboveground tanks require monthly visual inspections and may need documented internal inspections as described in 6 NYCRR Part 613

OWNER:
INDUSTRIAL OIL TANK SERVICE
120 DRY ROAD
ORISKANY, NY 13424

SITE:
INDUSTRIAL OIL TANK SERVICE
120 DRY ROAD
ORISKANY, NY 13424

ON-SITE OPERATOR: JOHN HITCHINGS (315) 736-6080
PRIMARY OPERATOR:
EMERGENCY CONTACT: JOHN HITCHINGS (315) 736-6080

MAILING CORRESPONDENCE:

JOHN HITCHINGS
INDUSTRIAL OIL TANK SERVICE CORPORATION
120 DRY ROAD
ORISKANY, NY 13424

ISSUED BY: Commissioner Alexander B. Grannis
PBS NUMBER: **6-600630**
DATE ISSUED: 12/22/2006
EXPIRATION DATE: 12/12/2011
FEE PAID: $500.00

As an authorized representative of the above named facility, I affirm under penalty of perjury that the information displayed on this form is correct to the best of my knowledge. Additionally, I recognize that I am responsible for assuring that this facility is in compliance with all sections of 6 NYCRR Parts 612, 613 and 614, and applicable sections of 6 NYCRR Subpart 374-2 (used oil tanks only), not just those cited below:
– The facility must be re-registered if there is a transfer of ownership.
– The Department must be notified within 30 days prior to adding, replacing, reconditioning, or permanently closing a stationary tank.
– The facility must be operated in accordance with the code for storing petroleum, 6NYCRR Part 613.
– Any new facility or substantially modified facility must comply with 6NYCRR Part 614.
– **This certificate must be signed and posted on the premises at all times.** Posting must be at the tank, at the entrance of the facility, or the main office where the storage tanks are located.
– Any person with knowledge of a spill, leak or discharge must report the incident to DEC within two hours (1-800-457-7362).

Signature of Representative/ Owner — Date: 10-22-10

JOHN HITCHINGS PRESIDENT
Name and Title of Authorized Representative/Owner (Please Print)

THIS REGISTRATION CERTIFICATE IS NON-TRANSFERABLE

New York State Department of Environmental Conservation

PETROLEUM BULK STORAGE CERTIFICATE

625 Broadway, 11th Floor, Albany, NY 12233-7020 Phone: 518-402-9553

Region 6 NYSDEC - PBS Unit
State Office Building - 317 Washington Street
Watertown, NY 13601-3787
(315) 785-2513

TANK NUMBER	TANK LOCATION	DATE INSTALLED	TANK TYPE	PRODUCT STORED	CAPACITY (GALLONS)	DATE LAST TESTED	TESTING DUE DATE
10	Aboveground - No Contact (on saddles, legs, rack, cradle, etc.)	02/01/1996	Steel/Carbon Steel/Iron	Used Oil (Heating)	5,000		*
11	Aboveground - No Contact (on saddles, legs, rack, cradle, etc.)	02/01/1996	Steel/Carbon Steel/Iron	Used Oil (Heating)	8,000		*
12	Aboveground - in contact with impervious barrier	12/01/2005	Steel/Carbon Steel/Iron	Other	10,000		*
13	Aboveground - in contact with impervious barrier	12/01/2005	Steel/Carbon Steel/Iron	Other	10,000		*
16	Aboveground - in contact with impervious barrier	07/01/2006	Steel/Carbon Steel/Iron	Gasoline	10,000		*
17	Aboveground - in contact with impervious barrier	07/01/2006	Steel/Carbon Steel/Iron	Waste Oil/Used Oil	10,000		*
18	Aboveground - No Contact (on saddles, legs, rack, cradle, etc.)	07/01/2006	Steel/Carbon Steel/Iron	Used Oil (Heating)	10,000		*
21	Aboveground - No Contact (on saddles, legs, rack, cradle, etc.)	10/01/2008	Stainless Steel Alloy	Waste Oil/Used Oil	2,500		*
23	Aboveground - No Contact (on saddles, legs, rack, cradle, etc.)	10/01/2010	Steel/Carbon Steel/Iron	Used Oil (Heating)	550		*

OWNER:
INDUSTRIAL OIL TANK SERVICE
120 DRY ROAD
ORISKANY, NY 13424

SITE:
INDUSTRIAL OIL TANK SERVICE
120 DRY ROAD
ORISKANY, NY 13424

ON-SITE OPERATOR: JOHN HITCHINGS (315) 736-6080
PRIMARY OPERATOR:
EMERGENCY CONTACT: JOHN HITCHINGS (315) 736-6080

MAILING CORRESPONDENCE:

JOHN HITCHINGS
INDUSTRIAL OIL TANK SERVICE CORPORA
120 DRY ROAD
ORISKANY, NY 13424

ISSUED BY: Commissioner Alexander B. Grannis
PBS NUMBER: 6-600630
DATE ISSUED: 12/22/2006
EXPIRATION DATE: 12/12/2011
FEE PAID: $500.00

As an authorized representative of the above named facility, I affirm under penalty of perjury that the information displayed on this form is correct to the best of my knowledge. Additionally, I recognize that I am responsible for assuring that this facility is in compliance with all sections of 6 NYCRR Parts 612, 613 and 614, and applicable sections of 6 NYCRR Subpart 374-2 (used oil tanks only), not just those cited below:
-- The facility must be re-registered if there is a transfer of ownership.
-- The Department must be notified within 30 days prior to adding, replacing, reconditioning, or permanently closing a stationary tank.
-- The facility must be operated in accordance with the code for storing petroleum, 6NYCRR Part 613.
-- Any new facility or substantially modified facility must comply with 6NYCRR Part 614.
-- This certificate must be signed and posted on the premises at all times. Posting must be at the tank, at the entrance of the facility, or the main office where the storage tanks are located.
-- Any person with knowledge of a spill, leak or discharge must report the incident to DEC within two hours (1-800-457-7362).

Signature of Representative/ Owner — Date: 10-22-10

JOHN HITCHINGS PRESIDENT
Name and Title of Authorized Representative/Owner (Please Print)

Print Date: 10/18/2010

THIS REGISTRATION CERTIFICATE IS NON-TRANSFERABLE

New York State Department of Environmental Conservation
Division of Solid and Hazardous Materials, Region 6
Utica State Office Building
207 Genesee Street, Room 1404, Utica, NY 13501-2885
Phone: (315) 793-2554 • **Fax:** (315) 793-2748
Website: www.dec.ny.gov

Peter M. Iwanowicz
Acting Commissioner

November 15, 2010

Mr. John Hitchings
President/Owner
Industrial Oil Tank Service Corporation
120 Dry Road
Oriskany, NY 13424

RE: **November 12, 2010 Inspection**
Industrial Oil Tank Services Corporation
Oneida County Airport Industrial Park
Facility #33O03, Dry Road
Whitestown (T), Oneida County

Dear Mr. Hitchings:

I inspected the referenced facility on November 12, 2010. Based upon that inspection, I have the following comments and concerns:

1. Your Operation and Maintenance (O&M) Manual was not updated at the time of my inspection. As per 360-14.3(m), please submit your O&M Manual as soon as it is updated.

2. General housekeeping at your facility was excellent.

A "Used Oil Inspection Form" was completed during the inspection and is attached for your reference.

If you have any questions concerning this matter, please feel free to call.

Sincerely,

Robert J. Senior, P. E.
Environmental Engineer 2
Region 6, Utica

kt

Attachment

cc w/attach.: Gregg Townsend – DEC, Watertown
David O'Brien – DEC, Albany – Main Code 7251

File: Industrial Oil Tank Service #33O03 – Used Oil

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number

GENERATOR

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1.				
	2.				
	3.				
	4.				

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

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

MA0481 0108 American Lamp Recycling Submittal

ARCADIS

Infrastructure · Water · Environment · Buildings

Submittal Review Form

ARCADIS of New York, Inc.
6723 Towpath Road
P.O. Box 66
Syracuse
New York 13214-0066
Tel 315.446.9120
Fax 315.449.0017

Client:	Contractor:	Project:
MLC	Brandenburg	Massena, NY

ENVIRONMENT

Contact:
Margaret Carrillo-Sheridan, P.E.
Phone Number:
315.671.9167

Submittal Number:
MA0481-0108

Submittal Description:
American Lamp Recycling Submittal

Review Code:

- ☐ R Reviewed
- ☒ N Reviewed and Noted
- ☐ S Resubmit
- ☐ J Rejected
- ☐ I For Your Information

Note:

Facility reviewed for disposition of fluorescent lamps, batteries, mercury devices, e-waste, PCB/non-PCB ballasts.

Margaret A Carrillo Sheridan

March 2, 2011

Margaret A. Carrillo-Sheridan, P.E. Date

Brandenburg® Industrial Service Company
2217 Spillman Drive
Bethlehem, Pennsylvania 18015-1982
Phone (610) 691-1800
FAX (610) 691-4200

Brandenburg®

www.Brandenburg.com

SUBMITTAL COVER SHEET

PROJECT: *MLC Massena Power Train MAS-100-AP*

OWNER: *Motors Liquidation Corporation*

IQAT: *Margaret Carrillo-Sheridan (ARCADIS)*

Engineer: *ARCADIS*

Brandenburg Submittal No.: MA0481-0108 **Project Code: MA0481**
Revision No.: 0000

American Lamp Recycling Submittal

This document has been reviewed, coordinated and checked for accuracy of content and for compliance with the Contract Documents. The information contained herein has been coordinated with all applicable contractors, and is hereby submitted for approval.

Submitted by: *Eric Ahlgren* Date: February 25, 2011
Eric Ahlgren-Jason GaNun | Project Manager | Brandenburg

Review Status:
No Exceptions Taken _____ Approved as Noted _____ Revise & Resubmit _____ Rejected _____

Approved by:_____ Date: _____

Comments:

Updated Permits for ALR
Cover letter discussing last inspection and violations
Generic Sample Shipping Manifest

American Lamp Recycling

1-800-315-6262

American Lamp Recycling, LLC.
26 Industrial Way
Wappingers Falls, NY 12590
845-896-0058

Date: 2/23/11

RE: MLC Massena, NY

Dear Eric,

First and foremost, thank you for taking the time to contact us and allowing American Lamp Recycling (ALR) to provide recycling services for this project.

Since 1994 ALR has owned and operated a New York State DEC approved environmentally sound recycling facility which provides the recycling services for **Fluorescent Lamps, Batteries, Mercury Devices, Electronic Wastes, PCB/Non-PCB Ballasts Recycling.**

ALR meets all Federal and New York State operating requirements. Every step of our process has been designed with regulatory compliance, efficiency, customer services, and the elimination of environmental liability. We are confident ALR provides the most comprehensive recycling program.

Our last inspection by was by EPA Region II back in December of 2009. We still do not have the written report from that inspection, as the inspector told us he was reassigned to UST's shortly after the inspection. At that time we were told we were in full compliance by the inspector verbally.

In the past 5 years we have 1 OSHA violation for having an scale plugged into an extension cord without an operator present. No other violations.

If you have any questions regarding our recycling process and prices, please contact us anytime.

Sincerely,

David Sherman

David Sherman
Director of Sales
American Lamp Recycling, LLC.
26 Industrial Way
Wappingers Falls, NY 12590
Office: 413-626-4402
Fax: 413-786-7929
E-Mail: Dave@AmericanLampRecycling.com
Website: www.AmericanLampRecycling.com

American Lamp Recycling

26 Industrial Way
Wappingers Falls, NY 12590
Toll Free: 800-315-6262
Fax: 845-896-1520

Registration Form For Solid Waste Facility

American Lamp Recycling, LLC
26 Industrial Way
Wappingers Falls, NY 12590

Version 7.0
January 1, 2010
NYR000129015

47-14-020 (01/94)
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID WASTE

REGISTRATION FORM FOR A SOLID WASTE MANAGEMENT FACILITY

Please read and follow all instructions before completing this registration form

Please Type or Print clearly THIS IS NOT A UPA PERMIT

DEPARTMENT USE ONLY	
DEC REGISTRATION #	1 4 M 0 6
DEC ADMINISTRATION #	
DATE RECEIVED	6/16/94

1. FACILITY NAME AND LOCATION

American Lamp Recycling, LP

Street: 22 Stage Door Drive

City/Village: ~~[illegible]~~

Town: Wappingers Falls County: Dutchess

Telephone Number: (914) 896-0057

2. FACILITY OWNER'S NAME

American Lamp Recycling, LP

Mailing Address: 22 Stage Door Drive

City/Town/Village: Fishkill

State/Zip Code: New York

Telephone Number: (914) 896-0057

3. FACILITY OPERATOR'S NAME (if different)

American Lamp Recycling, LP

Mailing Address: 22 Stage Door Drive

City/Town/Village: Fishkill

State/Zip Code: New York 12524

Telephone Number: (914) 896-0057

4. SITE OWNER'S NAME (if different)

Kermit Enterprises

Mailing Address: P.O. Box 70

City/Town/Village: Floral Park

State/Zip Code: New York 11001

Telephone Number: (718) 347-3700

5. TYPE OF FACILITY REGISTRATION (check all applicable boxes)

- ☐ Energy Recovery Incinerators or Pyrolysis Units [360-3.1(b)]
- ☐ Land Application and Sludge Storage Facilities [360-4.1(c)]
- ☐ Composting and Other Distribution and Marketing Facilities [360-5.3(b)]
- ☐ Land Clearing Debris Landfills three acres or less [360-7.2(a)]
- ☐ Transfer Stations (municipally owned/operated/contracted) receiving less than 50,000 cubic yards or 12,500 tons of household solid waste annually [360-11.1(b)(1)]
- ☐ Transfer Stations (municipally owned/operated/contracted) receiving less than 50,000 cubic yards or 12,500 tons of containerized solid waste annually [360-11.1(b)(2)]
- ☐ Other Facilities not specifically described above, Specify Type
- ☒ Source Separated, Nonputrescible Solid Waste Recyclables Handling and Recovery Facilities [360-12.1(d)]
- ☐ Waste Tire Retreaders [360-13.1(d)(1)(i)]
- ☐ Waste Tires Stored for On-site Energy Recovery [360-13.1(d)(1)(ii)]
- ☐ Tire Dealers Selling Waste Tires [360-13.1(d)(1)(iii)]
- ☐ Tire Manufacturing Facilities [360-13.1(d)(1)(iv)]
- ☐ Processing Facilities Receiving Only Recognizable Uncontaminated Concrete, Asphalt Pavement, Brick, Soil or Rock [360-16.1(d)(1)(i)]
- ☐ Uncontaminated Unadulterated Wood Processing Facilities [360-16.1(d)(1)(ii)]

6. SOLID WASTE HANDLED

a. List wastes and/or materials to be accepted: Flourescent and HID lamps

b. Quantity (Specify Units - see instructions)
design capacity: 2,000 Fl/hr - 300 HID/hr
storage on site: 20 tons glass/3 tons metal

7. OPERATIONS SCHEDULE - Normal schedule of operation

8:00am - 8:00pm Monday - Friday

9:00am - 3:00pm Saturday

8. NAME(S) OF ALL MUNICIPALITIES SERVED all

9. CERTIFICATION:

I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have the authority as President, Gen. Partner (Title) of American Lamp Recycling, LP (Entity) to sign this registration form pursuant to 6 NYCRR Part 360. By signing this registration form, I affirm that I have read the applicable regulations and will abide by all conditions of the registration requirements. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Printed/Typed Name	Signature	Mo.	Day	Year
Mark Ecsedy	Mark Ecsedy	0 6	1 5	9 4

REGISTRANT'S VALIDATED COPY - COPY #3
(To Be Returned by Dec.)

New York State Department of Environmental Conservation
Region 3 Division of Solid Waste
21 South Putt Corners Road
New Paltz, NY 12561-1696
Telephone: (914) 255-5453

Langdon Marsh
Acting Commissioner

June 28, 1994

Mark Ecsedy, President
American Lamp Recycling, LP
22 Stage Door Drive
Fishkill, NY 12524

RE: **AMERICAN LAMP RECYCLING, LP REGISTRATION #14M06**

Dear Mr. Ecsedy:

Enclosed is the validated copy of your registration form which was submitted to this Department pursuant to 6NYCRR Part 360, effective October 9, 1993. One copy of this form must be maintained at the facility.

This letter only acknowledges receipt of your registration form and does not, in any way, verify that the information which you provided on the form is true or correct.

You are reminded that Part 360 contains General Provisions (Subpart 1) and Recyclables Handling and Recovery Facility (Subpart 12) requirements that must be followed to warrant your facility's continued status as a registered facility. This criteria is included in the information package previously provided to you. This registration does not preclude your facility from adhering to all other applicable federal, state and local requirements.

In addition, your facility may be regulated under this Department's Hazardous Substances Regulations because you are handling mercury. A copy of this registration is being forwarded to the Division of Hazardous Substances Regulation for their information; please call them at the above number with any questions you may have.

If we may be of further assistance or if you need an additional copy of the registration requirements, please contact Ms. Terry Laibach at the above number.

Sincerely,

Alan A. Fuchs
Regional Solid Waste Engineer

Attachment

cc w/att: E. McGuire
J. Willson (4010)
R. Aldrich
M. Duke
T. Laibach

American Lamp Recycling

26 Industrial Way
Wappingers Falls, NY 12590
Toll Free: 800-315-6262
Fax: 845-896-1520

Notification of Hazardous Waste Activity

American Lamp Recycling, LLC
26 Industrial Way
Wappingers Falls, NY 12590

Version 7.0
January 1, 2010
NYR000129015

ACKNOWLEDGEMENT OF NOTIFICATION
OF
HAZARDOUS WASTE ACTIVITY

12/06/2004

Region 2

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER:	NYR000129015
INSTALLATION NAME:	AMERICAN LAMP RECYCLING LLC
INSTALLATION ADDRESS :	26 INDUSTRIAL WAY WAPPINGERS FALLS, NY 12590
MAILING ADDRESS :	PO BOX 1550 WATERBURY, CT 06721

EPA Form 5700-12AB (4-80)

USEPA - REGION 2
RCRA Programs Branch
290 Broadway, 22nd Floor
New York, NY 10007-1866

ATTN: RCRA NOTIFICATIONS
Tel : (212) 637-4106
Fax: (212) 637-3056

TO: AMERICAN LAMP RECYCLING LLC
or Current Occupant

ATTN: JAMES RIVERA
PO BOX 1550
WATERBURY, CT 06721

American Lamp Recycling

26 Industrial Way
Wappingers Falls, NY 12590
Toll Free: 800-315-6262
Fax: 845-896-1520

New York State Air Facility Registration Certificate

American Lamp Recycling, LLC
26 Industrial Way
Wappingers Falls, NY 12590

Version 7.0
January 1, 2010
NYR000129015

New York State Department of Environmental Conservation
Air Facility Registration

DEC ID
- -

Owner/Firm			Taxpayer ID 061524708
Name David J. Green.			
Street Address P.O. Box 1550			
City / Town / Village Waterbury	State or Province CT	Country USA	Zip 06721-1550

Owner/Firm Contact	
Name James Rivera	Phone No. 849 896-0057

Facility	
Name American Lamp Recycling, LLC	
Location Address 26 Industrial Way	
☐ City / ☒ Town / ☐ Village Wappingers Falls, New York	Zip 12590-7072

Facility Information

Total Number of Emission Points: 1 ☐ Cap by Rule

Description

Fluorescent and HID dismantling and component separation unit with enclosed machine. Glass and Metal are sent to secondary recyclers. Phosphor powder, Hepafilters, and carbon are sent to mercury retorting facilities for final recovery of mercury.

Standard Industrial Classification Codes

9999	133000	3630	5915	6019.	

HAP CAS Numbers

7439-97-6					

Applicable Federal and New York State Requirements (Part Nos.)

40 CFR 273	40 CFR 260-261	6NYCRR 90-202	6NYCRR 256, 257, 272	6NYCRR 360, 361	6NYCRR 369-374
6NYCRR 376					

Certification

I certify that this facility will be operated in conformance with all provisions of existing regulations.

Responsible Official James Rivera.	Title Director of Operations
Signature [signature]	Date 11 / 01 / 04

7/29/95

New York State Department of Environmental Conservation
Facility DEC ID : 3135600248

NOTICE OF INSPECTION RESULTS

Date : 09/02/2008

Owner : DAVID J GREEN
P O BOX 1550
WATERBURY, CT 06721

Facility : AMERICAN LAMP RECYCLING
26 INDUSTRIAL WAY
WAPPINGERS FALLS, NY 12590

Contact : ROBERT JUDKINS, JR
AMERICAN LAMP RECYCLING
26 INDUSTRIAL WAY
WAPPINGERS FALLS, NY 12590
(845) 896-0058

Compliance Status Determined On : 08/29/2008 9:00 AM

Compliance Status Determined By : VERONICA M WOLAK
NYSDEC - REGION 3
21 SOUTH PUTTS CORNERS RD
NEW PALTZ, NY 12561-1696

Basis for Determination : Routine Inspection

Comments :

Routine inspection with President Mr. David Green and Vice President Mr. Robert Judkins Jr. American Lamp Recycling is located at 26 Industrial Way, Wappingers Falls. The facility moved in 2004 from 22 Stage Door in Fishkill, at which time a new registration was issued. Both locations are receiving an annual permit fee. The Department will expire the location at 22 Stage Door, and the 2004 Registration pertaining to the Wappingers Falls location shall remain in effect as the most recent air permit.

ALR (American Lamp Recycling) receives and ships out PCB & Non PCB Lighting Ballasts, Batteries, Electronic Computer Scrap for recycling. On site the facility recycles mercury devices and requires a permit for the process involving recovering and separating Fluorescent lamps, Compacts, U-Tubes, Circle & HID lamps containing mercury. A USA Lights Model 2000 Fluorescent and HID Lamp Processing unit, installed in 1994 and moved into the newly located facility, conveys used light bulbs into a negative air compartment which crushes and separates the various components. Phosphor powder contaminated with mercury is vacuum pumped though a baghouse where it is captured and shipped out as hazardous waste. Mercury vapor is captured when it passes through an activated carbon filter. Both the activated carbon and baghouse filters are changed as needed to ensure a sufficient capture and control. The machine is run approximately 6 hours a day 3 to 4 days a week.

At the time of the inspection ALR was in the process of moving into an adjacent building on the premises. The lamp recycling unit was not installed and running. A new room is being constructed to house the unit and will be a permanent total enclosure under negative pressure. As relocation is still on site a permit transfer and address change is not necessary. The Department will follow up with a visit to observe the lamp recycling unit in operation.

Inspection Details :

This Facility has been inspected for the following requirements, issued permits and active consent orders. Detailed descriptions of Emission Units, Emission Points, Processes and Emission Sources can be found in the listed permits.

Regulation Determinations (No Violations observed at the time of this Inspection):

Regulation : 6NYCRR 201-4
FACILITY LEVEL

New York State Department of Environmental Conservation

Registration ID: 3-1356-00248/00001 **Facility DEC ID:** 3-1356-00248

AIR FACILITY REGISTRATION CERTIFICATE
in accordance with 6 NYCRR Subart 201-4

Registration Issued to: DAVID J GREEN
P O BOX 1550
WATERBURY,CT 06721

Contact: DAVID J GREEN
P O BOX 1550
WATERBURY,CT 06721

Facility: AMERICAN LAMP RECYCLING
26 INDUSTRIAL WAY
WAPPINGERS FALLS,NY 12590

Description:
Flourescent and HID dismantling and component separation unit with an enclosed machine. Glass and metal are sent to secondary recyclers. Phusphor powder, hepa filters and carbon are sent to mercury retorting facilities for final recovery of mercury.

Total Number of Emission Points: 1 **Cap By Rule:** No

Authorized Activity By Standard Industrial Classification Code:
8999 - SERVICES, NEC

Registration Effective Date: 09/14/2010 **Registration Expiration Date:** (Not Applicable)

List of Regulations in Application:

6 NYCRR Part 201	Permits and Certificates
6 NYCRR Part 256	Air Quality Classification system

KENNETH R GRZYB
REGION 3 AIR POLLUTION CONTROL ENGINEER
NYSDEC REGION 3
21 S PUTT CORNERS RD
NEW PALTZ,NY 12561

This registrant is required to operate this facility in accordance with all air pollution control applicable Federal and State laws and regulations. Failure to comply with these laws and regulations is a violation of the ECL and the registrant is subject to fines and/or penalties as provided by the ECL. If ownership of this facility changes, the registrant is required to notify the Department at the address shown below using the appropriate forms and procedures within 30 days after the transfer takes place. The present registrant will continue to be responsible for all fees and penalties until the Department has been notified of any change in ownership.

American Lamp Recycling

26 Industrial Way
Wappingers Falls, NY 12590
Toll Free: 800-315-6262
Fax: 845-896-1520

NYS "C7" Used Electronics Dismantlers Notification

American Lamp Recycling, LLC
26 Industrial Way
Wappingers Falls, NY 12590

Version 7.0
January 1, 2010
NYR000129015

New York State Department of Environmental Conservation
Division of Solid and Hazardous Materials
Bureau of Hazardous Waste Regulation
Waste Determinations and Analysis Section, 9th Floor
625 Broadway, Albany, New York 12233-7251
Phone: (518) 402-8633 • **FAX:** (518) 402-9024
Website: www.dec.ny.gov

Alexander B. Grannis
Commissioner

March 17, 2008

Mr. Robert Judkins
American Lamp Recycling, LLC
26 Industrial Way
Wappingers Falls, NY12590

Dear Mr. Judkins:

This is to inform you that the New York State Department of Environmental Conservation received an acceptable "c7 Notification" from American Lamp Recycling, LLC on March 17, 2008 in accordance with the requirements of paragraph 371.1(c)(7). The "c7 notification" allows American Lamp Recycling, LLC use of the scrap metal exemption in 6 NYCRR 371.1(g)(1)(iii)(b).

Please feel free to contact the Waste Determinations and Analysis Section at (518) 402-8633 if you have any questions.

Sincerely,

Katie Hershey

Katie Hershey
Environmental Program Specialist, NYSDEC

American Lamp Recycling

26 Industrial Way
Wappingers Falls, NY 12590
Toll Free: 800-315-6262
Fax: 845-896-1520

NYS
Part 364 Hazardous Waste Transporters Permit

American Lamp Recycling, LLC
26 Industrial Way
Wappingers Falls, NY 12590

Version 7.0
January 1, 2010
NYR000129015

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

PART 364
WASTE TRANSPORTER PERMIT NO. 3A-854

Pursuant to Article 27,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

AMERICAN LAMP RECYCLING, LLC
26 INDUSTRIAL WAY
WAPPINGERS FALLS, NY 12590

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME: ROBERT L. JUDKINGS JR.
COUNTY: DUTCHESS
TELEPHONE NO: (845)896-0058

EFFECTIVE DATE: 10/05/2010
EXPIRATION DATE: **10/04/2011**
US EPA ID NUMBER: NYR000129015

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY:

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)
AMERICAN LAMP RECYCLING LLC	WAPPINGERS FALLS , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial
AW SCRAP PROCESSORS, INC.	WAPPINGERS FALLS , NY	Non-Hazardous Industrial/Commercial
MERCURY WASTE SOLUTIONS	UNION GROVE , WI	Hazardous Industrial/Commercial
REVERE SMELTING & REFINING CORPORATION	MIDDLETOWN , NY	Non-Hazardous Industrial/Commercial
SUPREME ASSET MANAGEMENT & RECOVERY	LAKEWOOD , NJ	Non-Hazardous Industrial/Commercial
USER-FRIENDLY RECYCLING	EAST TAUNTON , MA	Non-Hazardous Industrial/Commercial

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS: New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7253

AUTHORIZED SIGNATURE: Deborah L Aldi Date: 9/10/2010

NOTICE

This permit is not valid until the effective date listed on the permit

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

PART 364
WASTE TRANSPORTER PERMIT NO. 3A-854

Pursuant to Article 27,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

AMERICAN LAMP RECYCLING, LLC
26 INDUSTRIAL WAY
WAPPINGERS FALLS, NY 12590

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	ROBERT L. JUDKINGS JR.	EFFECTIVE DATE:	10/05/2010
COUNTY:	DUTCHESS	EXPIRATION DATE:	**10/04/2011**
TELEPHONE NO:	(845)896-0058	US EPA ID NUMBER:	NYR000129015

AUTHORIZED VEHICLES:

The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:

(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

5 (Five) Permitted Vehicle(s)

NY 10398BP
NY 27371KA
NY AV47713
NY AW48698
NY BA34065
End of List

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
C E S Q G	1	800-315-6262	0 1 0 1 2 0 1 0 - 5 0 0

5. Generator's Name and Mailing Address
ABE MANAGEMENT, INC.
123 MAIN STREET
WAPPINGERS FALLS NY 12590
Generator's Phone: 845 896-0058

Att: MR. JOHN DOE

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: AMERICAN LAMP RECYCLING, LLC.
U.S. EPA ID Number: N Y R 0 0 0 1 2 9 0 1 5

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
AMERICAN LAMP RECYCLING, LLC.
26 INDUSTRIAL WAY
WAPPINGERS FALLS NY 12590
Facility's Phone: 845 896-0058
U.S. EPA ID Number: N Y R 0 0 0 1 2 9 0 1 5

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.	
	1 UNIVERSAL WASTE LAMPS FOR RECYCLING	0 0 5	DF	00425	P	
	2 NON PCB BALLASTS FOR RECYCLING	0 0 1	DM	00625	P	
	3 UNIVERSAL WASTE BATTERIES FOR RECYCLING	0 0 1	PL	00046	P	
	4 COMPUTER ELECTRONICS FOR RECYCLING	0 0 1	CW	00425	P	

13. Special Handling Instructions and Additional Information

1) Intact Non-Broken Lamps
3) Intact Non-Leaking Batteries
4) NYS Scrap Metal Exemption / 6NYCRR 371.1(g)(1)(iii)(b)

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: JOHN DOE
Signature: John Doe
Month 0 1 Day 0 1 Year 1 0

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: JOHN JOHNSON
Signature: John Johnson
Month 0 1 Day 0 1 Year 1 0

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

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 hazardous materials covered by the manifest except as noted in item 17a

Printed/Typed Name: DAVID JOHNSON
Signature: David Johnson
Month 0 1 Day 0 1 Year 1 0

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY