314357

REMEDIATION OBJECTIVES REPORT/
REMEDIAL ACTION PLAN/
REMEDIAL ACTION COMPLETION REPORT

for

THE ROGERS PARK SUB-SHOP
MAIN PARCEL
CHICAGO, ILLINOIS

Prepared for

THE PEOPLES GAS
LIGHT and COKE COMPANY

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EXECUTIVE SUMMARY

This combination Remediation Objectives Report/Remedial Action Plan/Remedial Action Completion Report (ROR/RAP/RACR) presents and describes remediation objectives as well as remedial actions that were implemented at the Rogers Park Sub-Shop Main Parcel (site) to accomplish the remedial objectives presented herein. The site is approximately 5.4-acres in size and is located at 6659 North Kedzie Avenue in Chicago, Illinois. The ROR/RAP/RACR has been prepared by Burns & McDonnell on behalf of The Peoples Gas Light and Coke Company (Peoples Gas) in accordance with requirements set forth in Chapter 35 of the Illinois Administrative Code (IAC), Part 740 – Site Remediation Program (SRP).

Peoples Gas currently owns an 8.4-acre parcel of land located in Chicago, Illinois referred to as the Rogers Park Sub-Shop Facility (formerly referred to as the North Shore Avenue Station). The North Shore Avenue Station has recently been subdivided into three (3) separate parcels, Main, East and Pond as follows:

- The northern and interior portion of the facility, approximately 5.4 acres in size, is referred to as the Main Parcel. The address of the Main Parcel, the subject of this ROR/RAP/RACR, is 6659 North Kedzie Avenue.
- The East Parcel, approximately 3 acres in size, is a vacant lot, covered by vegetation and an unused paved entrance to the property. The address of the East Parcel is 6712 North Whipple.
- The southwest central portion of the property, referred to as the Pond Parcel, is approximately 1.8 acres in size, and currently consists of vacant land. The Pond Parcel was recently sold by Peoples Gas. The address of the Pond Parcel is 6631 North Kedzie Avenue. A separate ROR/RAP/RACR was prepared for the Pond Parcel and a Comprehensive No Further Remediation (NFR) letter for unrestricted residential use was issued by the Illinois Environmental Protection Agency (Illinois EPA) for the Pond Parcel in March 2002.

The Main Parcel and the Pond Parcel were remediated concurrently. The Main Parcel is the subject of this ROR/RAP/RACR.

The purpose of the ROR/RAP/RACR is to present corrective measures proposed to eliminate exposure to benzene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, and naphthalene found within the Main Parcel. Corrective measures to be implemented include the removal of source material and impacted surface soil. This ROR/RAP/RACR describes soil remediation activities that were implemented and conducted from mid-June 2001 to October 2001 on the Rogers Park Sub-Shop Main Parcel.

Site Investigation (SI) activities were performed at the Main Parcel of the Rogers Park Sub-Shop in December 1999 and January 2000 by Roy F. Weston (Weston) and May and June 2001 by Burns & McDonnell in accordance with Illinois EPA approved procedures. The SI Report was submitted to the

Illinois EPA on October 31, 2001 and subsequently approved in December 2001. In late 1999 and early 2000, nine (9) borings were advanced in the area and four (4) surface soil samples were collected. During the 2001 investigation, twenty-three (23) soil borings and two (2) probes were advanced at various locations around the site, each to a depth of approximately twenty (20) feet below ground surface (bgs). Soil samples were collected from various depths within each soil boring, delivered to an analytical laboratory and analyzed for either Target Compound List (TCL) volatile organic compounds (VOCs), or benzene, toluene, ethylbenzene, and xylenes (BTEX) and styrene, TCL semivolatile organic compounds (SVOCs) or Polynuclear Aromatic Hydrocarbons (PAHs), priority pollutant metals or Resource Conservation and Recovery Act (RCRA) metals, and cyanide. Certain soil samples were analyzed for Synthetic Precipitation Leaching Procedure (SPLP) lead and SPLP chromium. Other samples collected from the northwest portion of the site were analyzed for the presence of polychlorinated biphenyls (PCBs). Physical soil testing was also conducted. Five (5) groundwater monitoring wells were installed in the surrounding areas as part of the field investigations. Groundwater samples were collected from five (5) monitoring wells in June 2001. A total of five (5) groundwater samples were collected and analyzed for TCL VOCs, PAHs, RCRA metals, and total cyanide.

During SI field activities, odors and visual staining were noted at locations B-17 and B-19 within the Main Parcel. Impacted material was identified at borings B-17 and B-19 at depths ranging from three (3) to eight (8) feet bgs. Boring/probe locations directly south of the Main Parcel (in the Pond Parcel) contained source material. Shallow groundwater was encountered in a few borings at depths ranging from four (4) to twelve (12) feet bgs. Subsurface investigations support the presence of shallow perched groundwater.

The results of the SI field activities were presented in the SI report. The SI Report for the Main Parcel was submitted to Illinois EPA in October 2001 and was approved in December 2001.

Industrial manufacturing operations conducted on the former C. P. Clare Property, located north of the Main Parcel, impacted soil in the northern part of the Main Parcel with chlorinated solvents. The area was remediated by C. P. Clare in 1997, by removing soil impacted by chlorinated solvents. The soil remediation activities did not achieve TACO Tier 1 residential objectives. Based on a *Revised Focused SI/ROR/RAP/RACR*, prepared by URS Corporation (URS), dated February 2002 (URS Report), the northern section of the Main Parcel requires industrial/commercial land use restrictions and continued compliance with the City of Chicago ordinance restricting site groundwater use.

Exposure pathways identified for evaluation include soil ingestion, soil inhalation, soil migration to Class II groundwater and ingestion of Class II groundwater. A Tier 1 evaluation, in accordance with the TACO, as specified in 35 IAC Part 742, was conducted to evaluate industrial/commercial and construction worker population exposures via these exposure routes. In general, exceedences of Tier 1 screening values for soil ingestion were identified in certain near surface soils for benzo(a)anthracene, benzo(a)pyrene, and dibenzo(a,h)anthracene. Three (3) soil samples exceeded the soil inhalation pathway for benzene and naphthalene in the area of the former tar tanks. Soil migration to groundwater

exceedences were identified in limited areas, generally near the former tar tanks located west of the former gas holder, in an area associated with source material. No off-site impacts to the west were observed. One (1) sample exceeded the soil migration to groundwater Tier 1 screening level for trichloroethylene along the northern edge of the Parcel, adjacent to the former C. P. Clare site. The trichloroethylene is believed to be associated with the former C. P. Clare site.

Further evaluation of the soil migration to groundwater pathway was conducted using the Soil Screening Level (SSL) equations in TACO to calculate the Tier 2 trichloroethylene soil component of Class II groundwater ingestion remediation objective. Sample RPM-SB83-002 exceeded the Tier 2 trichloroethylene soil component of Class II groundwater ingestion remediation objective of 1.19 milligrams per kilogram (mg/kg) that was determined using site specific data. Given the reliance on the City of Chicago ordinance restricting the use of groundwater at the site, the pathway was eliminated from further evaluation (based on the URS Report). No groundwater samples exceeded the Tier 1 screening levels for the ingestion of Class II groundwater exposure pathway, so the pathway was eliminated from further evaluation.

The remedial objectives were established with the understanding that the use of the Main Parcel will remain industrial/commercial and that the City of Chicago ordinance preventing installation of potable water supply wells will remain in place. Therefore, TACO Tier 1 values pertaining to industrial/commercial and construction worker exposure via soil ingestion and soil inhalation were established as remedial objectives. All soil exceeding the lower TACO Tier 1 value between the industrial/commercial and construction worker exposure pathways were removed, including source material.

In general, remedial actions included site preparation, waste characterization, ambient air monitoring, excavation and off site disposal of impacted soil, excavation and decontamination of former structures associated with the former gas holder, confirmation soil sampling, ambient air monitoring during construction, installation and maintenance of soil erosion and sediment control, backfilling excavated area with gravel and crushed concrete imported from off site, and demobilization. Approximately 26,157 tons of special waste was disposed off site at permitted facilities.

Confirmation sampling was conducted in order to demonstrate that remediation objectives were met. Certain areas required additional excavation once initial confirmation sample results were obtained. These areas were excavated further and additional confirmation samples were collected and analyzed. Excavation continued until remediation objectives were met.

Special conditions for the Main Parcel that should be considered in the development of the Comprehensive NFR letter include:

- future use of the property will be industrial/commercial (institutional control); and
- the City of Chicago ordinance prohibiting the installation of potable water wells (ordinance).

The data presented in this ROR/RAP/RACR is accurate and complete. With the implementation of the special conditions specified above, no further remedial activity is necessary at the Rogers Park Main Parcel, and a Comprehensive NFR Letter is anticipated.

1.0 INTRODUCTION

In conformance with the Illinois Environmental Protection Agency (Illinois EPA) Site Remediation Program (SRP), defined in Chapter 35 of the Illinois Administrative Code (IAC), Part 740, The Peoples Gas Light and Coke Company (Peoples Gas) contracted Burns & McDonnell to complete this Remediation Objectives Report/Remedial Action Plan/Remedial Action Completion Report (ROR/RAP/RACR) for the Rogers Park Sub-Shop Main Parcel (site) in Chicago, Illinois.

Peoples Gas currently owns an 8.4-acre parcel of land located in Chicago, Illinois referred to as the Rogers Park Sub-Shop Facility (formerly referred to as the North Shore Avenue Station). The North Shore Avenue Station has recently been subdivided into three (3) separate parcels, Main, East and Pond as follows:

- The northern and interior portion of the facility, approximately 5.4 acres in size, is referred to as the Main Parcel. The address of the Main Parcel, the subject of this ROR/RAP/RACR, is 6659 North Kedzie Avenue.
- The East Parcel, approximately 3 acres in size, is a vacant lot, covered by vegetation and an unused paved entrance to the property. The address of the East Parcel is 6712 North Whipple.
- The southwest central portion of the property, referred to as the Pond Parcel, is approximately 1.8 acres in size, and currently consists of vacant land. The Pond Parcel was recently sold by Peoples Gas. The address of the Pond Parcel is 6631 North Kedzie Avenue. A Comprehensive No Further Remediation (NFR) letter for unrestricted residential use was issued by the Illinois EPA for the Pond Parcel in March 2002.

This report presents recognized environmental conditions and related constituents of concern (COCs) and remediation objectives for the Main Parcel, in accordance with the Tiered Approach to Corrective Action Objectives (TACO) Tier 1 industrial/commercial and construction worker levels, presented in 35 IAC, Part 742. TACO is the Illinois EPA's method for developing remediation objectives for impacted soil and groundwater in Illinois. TACO consists of the following approaches:

- Exclusion of exposure routes;
- Use of area background concentrations as screening tools or remediation objectives; and
- Three tiers for selecting remediation objectives

This report also summarizes the remedial plan designed to meet the remedial objectives, presents the results that confirm that the remedial action achieved the established objectives, and specifies special conditions, if warranted. This report follows a Site Investigation (SI) Report for the Main Parcel that was submitted to the Illinois EPA on October 31, 2001 and approved by Illinois EPA in a letter dated December 21, 2001. The SI Report included:

- *The Roger Park Sub-Shop, Main Parcel Site Investigation Sampling Data* (Burns & McDonnell 2001a)

- *The Roger Park Sub-Shop, Main Parcel Site Investigation Report* (SI Report) (Burns & McDonnell 2001b)

The remediation described herein was conducted simultaneously within the Pond Parcel and the Main Parcel. Therefore, some of the documentation pertaining to the actual remediation of the Parcels, such as air monitoring data, daily log sheets, manifest tracking, and disposal quantities is the same. However, individual investigation, remediation objectives and demonstration of compliance is presented separately for each parcel. A separate SI Report for the Pond Parcel was submitted to Illinois EPA in September 2001 and was subsequently approved in November 2001. The Revised ROR/RAP/RACR for the Pond Parcel was submitted to and was approved by the Illinois EPA in February 2002. A Comprehensive NFR letter for unrestricted residential use was issued for the Pond Parcel on March 1, 2002.

1.1 PURPOSE AND ORGANIZATION OF REPORT

The purpose of the ROR/RAP/RACR is to document remediation objectives, present an evaluation of corrective measures proposed to eliminate exposure to COCs, present the corrective measures implemented to achieve the remediation objectives, and demonstrate the successful completion of the remediation.

This report is comprised of the following sections:

- **Section 1.0 – Introduction**
  This section describes the purpose and organization of the report, summarizing general site information, including location, environmental conditions, site characterization, and future use of the site.
- **Section 2.0 – Tier 1 Evaluation**
  This section summarizes Illinois EPA Tier 1 evaluation for applicable exposure routes and presents chemicals of interest to be addressed further. The soil ingestion, soil inhalation, soil migration to groundwater, and groundwater ingestion exposure routes that were presented in detail in the *Rogers Park Sub-Shop, Main Parcel Site Investigation Report* (Burns & McDonnell 2001b) are summarized.
- **Section 3.0 – Exposure Route Evaluation**
  This section identifies potential exposure routes and determines whether each route may be excluded from further evaluation based on the criteria established in Subpart C of TACO pertaining to the presence of source material and other pathway-specific requirements.
- **Section 4.0 – Remediation Objectives**
  This section summarizes the final remdiation objectives for the Main Parcel, evaluates all data with respect to the remediation objectives, and sets forth required corrective actions.

- **Section 5.0 – Remedial Action**
  This section summarizes the remedial action planned and implemented at the Main Parcel.
- **Section 6.0 – Results**
  This section demonstrates the level of success of the remedial actions in achieving the site remediation objectives.
- **Section 7.0 – Special Conditions**
  This section describes that post-remediation monitoring and/or institutional controls may be required.
- **Section 8.0 - Conclusions**
  This section discusses the successful completion of the remediation by compliance with remedial objectives. This section also supports the issuance of a Comprehensive NFR Letter.
- **Section 9.0 - References**
  This section presents the references used in this report.

1.2 SITE BACKGROUND

1.2.1 Site Description

Peoples Gas currently owns an 8.4-acre parcel of land on North Kedzie Avenue in Chicago, Illinois referred to as the Rogers Park Sub-Shop (formerly referred to as the North Shore Avenue Station). A site location map is presented as Figure 1. The North Shore Avenue Station has recently been subdivided into the following three (3) parcels:

- The northern and interior portion of the facility, approximately 5.4 acres in size, is referred to as the Main Parcel. The address of the Main Parcel, the subject of this ROR/RAP/RACR, is 6659 North Kedzie Avenue.
- The East Parcel, approximately 3 acres in size, is a vacant lot, covered by vegetation and an unused paved entrance to the property. The address of the East Parcel is 6712 North Whipple.
- The southwest central portion of the property, referred to as the Pond Parcel, is approximately 1.8 acres in size, and currently consists of vacant land. The Pond Parcel was recently sold by Peoples Gas. The address of the Pond Parcel is 6631 North Kedzie Avenue. A Comprehensive NFR letter for unrestricted residential use was issued by the Illinois EPA for the Pond Parcel in March 2002.

This ROR/RAP/RACR specifically addresses the Main Parcel. The Main Parcel is currently used as the North District Sub-Shop for Natural Gas Service and Distribution activities by Peoples Gas. Supporting activities include a parking lot, a vehicle repair garage, a fleet fueling area and a natural gas heater. The Main Parcel is located approximately 1,000 feet northeast of the intersection of Albion Avenue and Kedzie Avenue in Cook County, Chicago, Illinois. The legal description for the Main Parcel is as follows:

THAT PART OF LOT 2 IN THE SUBDIVISION OF THE WEST HALF (IN AREA) OF THE SOUTHWEST FRACTIONAL QUARTER LYING NORTH OF THE INDIAN BOUNDARY LINE OF SECTION 36, TOWNSHIP 41 NORTH, RANGE 13, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF SAID LOT 2; THENCE SOUTH 89°51'56" WEST ON THE SOUTH LINE OF SAID LOT 2, 103.03 FEET TO THE POINT OF BEGINNING; THENCE CONTINUING SOUTH 89°51'56' WEST, 305.78 FEET; THENCE NORTH 01°35'45" EAST AND PARALLEL TO THE EAST, 66.00 FEET RIGHT OF WAY LINE OF KEDZIE AVENUE, 240.00 FEET; THENCE SOUTH 89°51'56" WEST, 330.00 FEET TO THE EAST 66.00 FOOT RIGHT OF WAY LINE OF KEDZIE AVENUE; THENCE NORTH 01°35'45" EAST, ALONG THE SAID EASTERLY RIGHT OF WAY LINE OF KEDZIE AVENUE, 249.40 FEET; THENCE NORTH 89°51'56" EAST, 645.03 FEET; THENCE SOUTH 02°40'47" WEST, 498.77 FEET TO THE POINT OF BEGINNING.

CONTAINING 5.38 ACRES ±

1.2.2 Additional Background Information

Hanson Engineers Incorporated (HEI) conducted an investigation for Peoples Gas at Rogers Park and prepared a report entitled *Preliminary Site Investigation – North Shore Avenue Station Gas Storage Facility – Chicago, Illinois* dated July 1992. The objective of the HEI investigation was to determine if there was a potential for impacts associated with the former North Shore Avenue Station. The investigation encompassed approximately 10.2 acres (the Main, East, and Pond Parcels). The investigation included a review of the environmental setting, historical documents provided by Peoples Gas, Sanborn maps, a water well survey and advancement of two (2) soil borings within the Main Parcel. The report concluded that below ground portions of the gas storage structures may be present and, if they are present, may contain precipitated tars, unless the tar was removed during demolition of the gas holder (Hanson 1992). This report can be found in Appendix A of the *Rogers Park Sub-Shop, Main Parcel Site Investigation Report* (Burns & McDonnell 2001b).

According to the HEI Report, in 1926, the site (Main, East and Pond Parcels) began operating as the North Shore Avenue Station, a manufactured gas facility. A 15-million cubic foot aboveground gas holder, formerly located on the west side of the property, stored manufactured and natural gas until it was dismantled in 1971. (The southern half of the holder was located in the Pond Parcel, with the remainder of the holder located in the Main Parcel). The gas holder was tar sealed until mid-1956 when the sealant was changed to oil. The gas holder was temporarily out of service between April and July 1956 when the holder was repaired and the sealant changed. The interior of the gas holder was steam cleaned and placed back in service July 18, 1956. At this time, a total of 40,000-gallons of tar was removed from two (2) 12,000 gallon buried tar tanks, the northwest holder invert and the tar dam and pump weirs. Also during

the 1956 outage, additional tar totaling 152,600 gallons was removed from the base of the gas holder and unspecified locations around the gas holder. The gas holder was disconnected and purged in 1969. Most tar tanks along the holder and the gas holder were removed in 1971. Specifications called for the removal of the gas holder and concrete pad, the settling tank, both oil tanks and seven (7) of thirteen (13) tar collection tanks from the property. It is unclear, from the historical records, what happened with the other six (6) tar collection tanks. The approximate locations of the former MGP structures are shown in Figure 2.

In 1999 and 2000, Roy F. Weston (Weston) conducted investigation activities at the Pond, Main and East Parcels. Weston advanced nine (9) soil borings and collected four (4) surficial soil samples on or near the Main Parcel. The samples collected by Weston were analyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs) and Semi-Volatile Organic Compounds (SVOCs), priority pollutant metals, and Synthetic Precipitation Leaching Procedure (SPLP) lead and chromium. Weston noted that visual evidence of impacts were observed at soil borings B-17 and B-19 at depths less than eight (8.0) feet below ground surface (bgs). Weston installed four (4) groundwater monitoring wells outside of the Main Parcel during the investigation. The groundwater samples were analyzed for TCL VOCs, TCL SVOCs, and metals. The location of the monitoring wells is presented in Figure 3.

Burns & McDonnell performed a SI at the Main Parcel in May and June 2001. During the Burns & McDonnell investigation, twenty-three (23) soil borings and two (2) probes were advanced at various locations around and adjacent to the site, each to a depth of 20.0 feet bgs. Soil samples were collected from various depths within each soil probe, delivered to an analytical laboratory and analyzed for:

- TCL VOCs, benzene, toluene, ethylbenzene, and xylenes (BTEX), styrene;
- TCL SVOCs, Polynuclear Aromatic Hydrocarbons (PAHs);
- Priority pollutant metals or Resource Conservation and Recovery Act (RCRA) metals, and cyanide.

Certain soil samples were analyzed for SPLP lead and SPLP chromium. Other samples collected from the northwest portion of the site were analyzed for the presence of polychlorinated biphenyls (PCBs). Physical soil testing was also conducted. One (1) well was installed inside the Pond Parcel as part of the Burns & McDonnell field investigation. Groundwater samples were collected from five (5) monitoring wells on June 22, 2001. A total of five (5) groundwater samples were collected and analyzed for TCL VOCs, PAHs, RCRA metals, and total cyanide.

The soil boring and soil probe locations, as part of the SI activities conducted by Weston and Burns & McDonnell, are shown on Figure 2. The five (5) groundwater monitoring well locations at Rogers Park that were sampled during the Burns & McDonnell SI are shown on Figure 3. The results from the Weston and Burns & McDonnell SI activities were incorporated into *The Rogers Park Sub-Shop Main Parcel Site Investigation Report*, dated October 2001 (Burns & McDonnell 2001b), subsequently reviewed and approved by the Illinois EPA.

URS Corporation (URS) conducted an investigation on the northern edge of the Rogers Park Sub-Shop for C. P. Clare Corporation and General Semiconductor, Inc. URS prepared a report titled *Revised Focused Site Investigation/Remediation Objectives/Remedial Action Plan/Remedial Action Completion Report* (URS Report) dated February 2002. This report summarizes an investigation along the northern part of the Peoples Gas site conducted as a result of detection of subsurface impacts to the north of the site. Investigations were conducted in multiple phases between 1996 and 1997. The investigation revealed that soil in the northern portion of the Peoples Gas site had been impacted by the presence of chlorinated solvents associated with the operations conducted on the adjacent C. P. Clare Property. Under the direction of C.P. Clare Corporation and General Semiconductor, Inc., a sheet pile wall was installed and approximately 2,300 cubic yards of impacted soil was removed, treated and replaced on the Peoples Gas site. Remediation concluded in early 1997. At that time, URS recommended that portions of the approximately 0.15 acres remediated on the Peoples Gas property be managed with a deed restriction, prohibiting future use of the site for residential development. A response to Illinois EPA comments, authored by URS, was submitted to Illinois EPA in a letter dated October 24, 2001. Illinois EPA approved the response to comments submittal in a letter dated February 6, 2002. In the letter, the Illinois EPA requested a Revised Focused Site Investigation/Remediation Objectives/Remedial Action Plan/Remedial Action Completion Report that incorporates the correspondence and response to comments between URS and Illinois EPA. The changes were incorporated into an updated version of the URS Report, dated February 22, 2002. The URS Report was also submitted to Illinois EPA in February 2002.

The URS Report indicated that groundwater had not been impacted by the presence of the chlorinated solvents and that the soil component of the groundwater ingestion exposure pathway should be eliminated from consideration. URS developed remediation objectives for chlorinated solvents (tetrachloroethene, trichloroethylene and vinyl chloride), considering residential, construction worker and industrial/commercial exposure. A combination of TACO Tier 1 and TACO Tier 2 objectives were established for the soil ingestion and soil inhalation exposure pathways and the lowest applicable value for each constituent was presented as the final remediation objective. Based on the results of the soil confirmation samples and the remediation objectives established in the URS Report, residual contamination in the vadose zone soil in the 0.15 acre parcel is below the remediation objectives for industrial/commercial and construction worker exposure.

1.3 RECOGNIZED ENVIRONMENTAL CONDITIONS

During SI field activities, odors and visual staining were noted in borings B-17 and B-19 within the Main Parcel property boundary. Impacted material was observed at three (3.0) to eight (8.0) feet bgs at B-19. The impacted area detected in the Main Parcel extends from the former tar tanks in the Pond Parcel. The areas of impact are identified on Figure 2.

Also, former operations of C. P. Clare, located north of the Main Parcel, impacted soil along the northern edge of the Main Parcel, based on the results of the SI Report for the Main Parcel. The impacts are associated with chlorinated solvents.

2.0 TIER 1 EVALUATION

This section summarizes TACO Tier 1 evaluations as presented in the Main Parcel SI Report (Burns & McDonnell 2001b).

2.1 CURRENT AND FUTURE LAND USE

The Main Parcel is currently used as a reporting facility for field personnel and is the North District Sub-Shop for Natural Gas Service and Distribution activities for Peoples Gas. The Main Parcel is zoned M1-1, restricted manufacturing, and is not expected to change. It is anticipated that the Parcel will continue to function as a reporting facility. Surrounding properties consist of residences and vacant land to the east and south, undeveloped land and the North Shore Channel to the west and residential development to the north. The Chicago City limits are located directly west of the Main Parcel, beyond Kedzie Avenue. Note that a Dominick's grocery store to the north of the Peoples Gas Main Parcel was recently vacated. Buildings to the north of the Main Parcel (formerly owned by CP Clare), have recently been demolished.

The future use of the Main Parcel is industrial/commercial. The area surrounding the site is currently used for residential, commercial, and business purposes. Future plans for the surrounding area are unknown, however they are not expected to change.

2.2 TIER 1 EVALUATION

As presented in the SI Report (Burns & McDonnell 2001b), soil data was compared to Illinois EPA TACO Tier 1 industrial/commercial objectives for soil ingestion, soil inhalation and soil migration to Class II groundwater exposure routes. Table 1 presents a summary of constituents detected in at least one sample and a comparison to the Tier 1 industrial/commercial objectives for the soil ingestion, soil inhalation, and soil migration to Class II groundwater exposure routes. In selecting the Tier 1 value, the lowest of the industrial/commercial and the construction worker was considered. Table 1 represents the more stringent of the two populations. Measured concentrations that exceed the lowest Tier 1 objective are shaded. Constituents that were analyzed for, but not detected in any samples are not presented in Table 1. As discussed in the Main Parcel SI, no constituents exceeded the Tier 1 objectives for the ingestion of Class II groundwater exposure route. The exposure routes were evaluated using all the soil samples collected at or above the water table during the Main Parcel SI field activities by Weston and Burns & McDonnell. The following subsections summarize the Main Parcel SI Report findings.

2.2.1 Soil Ingestion Exposure Route

Soil samples at the site were compared to TACO Tier 1 industrial/commercial and construction worker objectives for soil ingestion. Some of the shallow soil samples contained several PAHs and arsenic at concentrations greater than their respective TACO Tier 1 industrial/commercial objectives. Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenzo(a,h)anthracene were the SVOCs that exceeded Tier 1 levels in a limited number of samples. The only inorganic constituent that exceeded Tier 1 levels was arsenic. Arsenic only exceeded the Tier 1 level in two (2) samples at depths less than 1

foot bgs. As presented in the Main Parcel SI Report (Burns & McDonnell 2001b), the statistical 95 percent upper confidence limit (UCL) for arsenic in site soil was calculated to be 7.566 mg/kg, which is below the TACO metropolitan statistical area concentration (13 mg/kg) for arsenic (the remediation objective). Therefore, arsenic at the site was eliminated from further evaluation. Calculations are presented in Appendix A.

2.2.2 Soil Inhalation Exposure Route

The Tier 1 industrial/commercial and construction worker inhalation exposure routes were evaluated using soil samples that were collected at or above the water table, or to a depth of 10 feet bgs, whichever is deeper, during the SI. Of the samples screened, benzene and naphthalene exceeded the Tier 1 industrial/commercial inhalation screening levels in a limited number of samples that were collected in the area of the former tar tanks.

2.2.3 Soil Migration to Groundwater Exposure Route

The Tier 1 soil migration to groundwater exposure route was evaluated using all soil samples collected at or above the water table. Based on a review of the data and the soil boring logs, the presence of a continuous shallow aquifer has not been established at the Main Parcel. Weston reported difficulty in collecting groundwater samples from the two monitoring wells (MW03 and MW04) due to slow recharge. Also, Weston had difficulty obtaining static water level readings, due to the slow rate of recharge. However, assuming that the groundwater was continuous and not the result of perched conditions, the unconfined water beneath the site does not meet the definition of a Class I aquifer, as defined in 35 IAC, Subtitle F, Chapter I, Part 620 – Groundwater Quality, Section 210. Grain size testing performed on the silty clay and the soil permeability test support this conclusion. At best, the water would be considered a Class II source of groundwater, as defined in the regulations. Therefore, as a conservative approach, soil analytical results from soil samples collected at or above the water table were compared to TACO Tier 1 levels pertaining to Class II groundwater.

Toxicity criteria in Appendix B, Table A of TACO for metals and cyanide are only applicable to TCLP or SPLP data, and analyses were for total concentrations for many of the constituents/samples. Therefore, pH dependent Tier 1 screening values were used for metals (Appendix B, Table D of TACO), unless TCLP and/or SPLP data was obtained. Measured values for pH ranged from 7.5 to 9.6, although the high pH values correspond to areas of impacted or deeper soils. Native soil pH range is more likely 7.5 to 8.24. Table D in Appendix B of TACO, where values are presented for pHs up to 9.0 was used, unless SPLP data was available. No pH dependent Tier 1 value was available for chromium or silver in Class II groundwater, so the Class I groundwater values were selected for chromium and silver.

No pH dependent Tier 1 screening value is available for lead. The background concentrations for lead, presented for Counties within Metropolitan Statistical Areas (MSA) in Appendix A, Table G of TACO is 36 mg/kg. The site is currently zoned for restricted manufacturing use. Because the intended future use of the site is industrial/commercial, the MSA background value of 36 mg/kg was used, unless SPLP data was available. Several of the samples were analyzed for SPLP lead. Therefore, lead was screened against

the corresponding toxicity criteria in Table A, Appendix B of TACO, and not the published background value in Appendix A, Table G of TACO.

Several samples exceeded the Tier 1 screening levels for Class II soil migration to groundwater. Benzene and naphthalene exceeded the relevant Tier 1 screening level in three (3) samples (again, in the samples collected from B-17 and B-19, located just north of the former tar tanks). Four (4) samples, collected at shallow depths, exceeded the relevant Tier 1 screening level for benzo(a)anthracene. Three (3) samples exceeded the relevant Tier 1 screening level for total lead (regional background of 36 mg/kg), although had SPLP analyses been performed on these samples, the result would most likely be well below the screening level of 0.1 mg/L. Numerous samples with similar and much higher concentrations of total lead were analyzed for SPLP lead. None of the results exceeded the screening level with the exception of one sample (RPM-SB33), which is discussed below. Chromium very slightly exceeded the Tier 1 screening level (defaulted to the Class I groundwater screening level for hexavalent chromium) in RPM-SB46-001. SPLP analyses were not performed on this sample. Had the analyses been performed, the results would most likely have been well below the screening level of 1.0 mg/L. Several samples with similar and higher concentrations of total chromium were analyzed for SPLP chromium. All of the results were well below the screening level. Trichloroethylene exceeded the Tier 1 screening level in one (1) sample that was collected along the northern edge of the Main Parcel near former operations at the C. P. Clare site.

A surface soil sample collected from boring RPM-SB33 exceeded the Tier 1 screening level of 0.1 mg/L for SPLP lead for the soil migration to Class II groundwater pathway. SPLP lead was detected in sample RPM-SB33-001 at a concentration of 0.206 mg/L. This sample was collected from an area where underground piping associated with the former gas holder existed. The limited lead impacted area surrounding boring RPM-SB33 was identified as a finding and is shown on Figure 2.

2.2.4 Groundwater Ingestion Exposure Route

Constituent concentrations in groundwater were evaluated for the groundwater ingestion exposure route using TACO Class II levels. Of the five (5) groundwater samples collected and analyzed in June 2001, no samples exceeded the Class II screening levels for the Class II groundwater ingestion exposure route. Figure 3 shows the groundwater monitoring wells and surrounding area map.

3.0 EXPOSURE ROUTE EVALUATION

Remediation objectives do not need to be determined for a specific exposure route if it can be demonstrated that the exposure route does not exist based on criteria established in Subpart C of TACO (Illinois EPA 2001). The extent of COCs impact must be characterized and source material must not exist in order to exclude an exposure route. In addition, pathway-specific requirements must be met for each exposure route.

3.1 SOURCE MATERIAL EVALUATION

Two source areas were identified on the Pond Parcel, one of which extends onto the western portion of the Main Parcel, along the fence line as shown on Figure 2. Soil borings B-17 and B-19 contained impacted material from three (3) to eight (8) feet bgs. This information was used to create the summary of findings map (Figure 2). Because the existence of source material was confirmed, further evaluation is necessary.

The removal of source material is discussed in detail in Section 5.4 of this report.

3.2 SOIL INGESTION EXPOSURE ROUTE

As discussed in Section 2.2.1, soil data was compared to Illinois EPA TACO Tier 1 industrial/commercial (and construction worker) objectives for soil ingestion exposure route. Tier 1 screening levels were exceeded for benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenzo(a,h)anthracene. Therefore, the soil ingestion exposure route will not be eliminated from further evaluation.

3.3 SOIL INHALATION EXPOSURE ROUTE

As discussed in Section 2.2.2, Tier 1 levels were evaluated for the industrial/commercial (and construction worker) exposure to soil via the inhalation exposure route. Tier 1 screening levels were exceeded for benzene and naphthalene in the area of the former tar tanks. Therefore, the soil inhalation exposure route will not be eliminated from further evaluation.

3.4 SOIL MIGRATION TO GROUNDWATER EXPOSURE ROUTE

As discussed in Section 2.2.3, Tier 1 levels were evaluated for soil migration to Class II groundwater. The Tier 1 benzene and naphthalene levels were exceeded in three (3) samples collected in the vicinity of the former tar tanks. The Tier 1 trichloroethylene level was exceeded in one (1) sample, SPLP lead was exceeded in one (1) sample, and benzo(a)anthracene, naphthalene, and chromium were exceeded in very limited shallow soil samples.

Further evaluation of the soil migration to groundwater pathway was conducted by using the Soil Screening Level (SSL) equations in TACO to calculate the Tier 2 trichloroethylene soil component of Class II groundwater ingestion remediation objective. Appendix A shows the evaluation of

trichloroethylene using SSL equations and site-specific data collected as part of the SI field activities. The TACO Tier 1 level for trichloroethylene is 0.30 mg/kg. The calculated Tier 2 value, using the site-specific data is 1.19 mg/kg. Trichloroethylene in soil sample RPM-SB83-002, collected at the 6 to 8 foot depth interval, was 3.09 mg/kg. This value exceeds the Tier 2 trichloroethylene soil component of Class II groundwater ingestion value of 1.19 mg/kg.

With the exception of the area of the former tar tanks, and (1) one exceedence of the SPLP lead objective in a shallow soil sample in the RPM-SB33 area (where piping associated with the former gas holder was observed), the only other soil sample that exceeds the Tier 1/Tier 2 level pertaining to the soil migration to groundwater pathway is the RPM-SB83-002 sample, where trichloroethylene was observed at 3.09 mg/kg. This soil sample is directly adjacent to the northern strip of land that has been impacted by chlorinated solvents associated with the former CP Clare operations, as discussed in the URS Report. The URS Report proposes the use of the City of Chicago ordinance that restricts groundwater use in the City as an institutional control.

Therefore, due strictly to the presence of the trichloroethylene in limited soil on the Main Parcel that is associated with an off site source to the north, in accordance with Subpart J of 35 Illinois Administrative Code 742, the groundwater ordinance adopted by the City of Chicago that restricts groundwater usage in the city will serve as an institutional control to ensure that groundwater within impacted areas is not used at the site. Inclusion of the ordinance allows for elimination of the soil component of the groundwater ingestion exposure pathway from further consideration. Appendix B contains copies of Sections 11-8-385, 11-8-390 and 2-30-030, which pertains to the groundwater ordinance. Estimates of the magnitude of the impact at the Main Parcel property boundary are not required within this ROR/RAP/RACR because they are associated with an off site source, and they have been calculated in the URS Report.

It must be emphasized that the source area (where elevated benzene and naphthalene were observed), and the area where lead impacts were observed will be addressed, and remediated, despite the utilization of the ordinance as an institutional control for the Main Parcel.

3.5 GROUNDWATER INGESTION EXPOSURE ROUTE

Of the five (5) groundwater samples collected for this SI, no samples exceeded the screening levels for Class II groundwater ingestion exposure route. Therefore, no further evaluation is necessary.

Therefore, based on the discussion in Sections 3.4 and 3.5, the requirements set forth in 35 IAC Part 740, Section 320 for exclusion of the groundwater ingestion exposure route have been met, with the understanding that source material will be required to be removed.

4.0 REMEDIATION OBJECTIVES

This section identifies remediation objectives and remedial actions proposed to achieve those objectives at the Rogers Park Sub-Shop Main Parcel site. Site remediation objectives were developed using TACO Tier 1 evaluations summarized in Sections 2.0 and 3.0, and as presented in Table 1. Remediation objectives only need to be established for those constituents that exceeded the industrial/commercial and construction worker Tier 1 levels pertaining to soil ingestion and soil inhalation. Following this evaluation, further evaluation of the soil migration to groundwater pathway was conducted for trichloroethylene detected in sample RPM-SB83-002. Sample RPM-SB83-002 exceeded the Tier 2 trichloroethylene soil component of Class II groundwater ingestion remediation objective that was determined using site specific data and SSL equations. Therefore, in accordance with Subpart J of 35 Illinois Administrative Code 742, the groundwater ordinance adopted by the City of Chicago that restricts groundwater usage in the city will serve as an institutional control to ensure that groundwater within impacted areas is not used at the site. Also, as required by regulation, source material must be removed. A summary of the final remediation objectives is presented in Table 2.

4.1 NUMERICAL REMEDIATION OBJECTIVES

The following remediation objectives, pertaining to soil at the Rogers Park Sub-Shop Main Parcel site have been established, which are the TACO Tier 1 values pertaining to industrial/commercial and construction worker exposure, whichever is the more stringent.

- Benzene.....1.6 mg/kg
- Benzo(a)anthracene.....8 mg/kg
- Benzo(b)fluoranthene.....8 mg/kg
- Benzo(a)pyrene.....0.8 mg/kg
- Dibenzo(a,h)anthracene.....0.8 mg/kg
- Naphthalene.....1.8 mg/kg

These remediation objectives are intended to eliminate exposure to benzene, and several PAHs, present in concentrations above remediation objectives pertaining to industrial/commercial and construction worker populations. Achievement of the objectives will facilitate issuance of a Comprehensive NFR Letter, as identified in Subpart F of 35 IAC Part 740, with the understanding that the Main Parcel will remain industrial/commercial and that the City of Chicago ordinance preventing installation of potable water supply wells will remain in place. Note that while remediation objectives were not required to be established for lead (total and SPLP), these analyses will be included in confirmation samples collected to demonstrate achievement of the objectives.

5.0 REMEDIAL ACTION

This section identifies remedial actions proposed at the Main Parcel, and subsequently implemented to achieve the remediation objectives established in Section 4.0 of this ROR/RAP/RACR. Note that the activities discussed below were conducted simultaneously on the Pond and Main Parcels.

Remedial action activities are described as the following main components:

- Site preparation;
- Waste characterization;
- Air monitoring during remediation;
- Excavation, stockpiling and off site disposal of impacted surface soils, managed as special waste;
- Confirmation soil samples;
- Management of decontamination water, potential stormwater runon/runoff, and soil erosion and sediment control; and
- Demobilization and site restoration.

Remedial activities at the Main Parcel took place between early-June and early-October 2001. The work was conducted simultaneously with remediation of the Pond Parcel. Select photographs documenting field activities are presented in Appendix C.

5.1 SITE PREPARATION

Site preparation activities began in May 2001, as part of ongoing remediation activities on adjacent Parcels. Fabric was attached to the existing fence along the north, west and south sides of the Main and Pond Parcels in order to provide privacy and help control potential off site dust migration during excavation. The fabric was placed in a manner that allowed it to act as a silt fence. Fabric, 8 feet in length, was attached at the top and middle of the fence and extended to the ground surface.

Buried utility lines were marked and left undisturbed. Previously unidentified buried utilities/structures in surface soil were encountered during remediation work, identified as abandoned lines, and removed as necessary. Utilities were deemed abandoned because they were no longer in service.

The tar tank excavation area located within the Main and Pond Parcels, based on the depth of excavation, was laid out prior to excavation activities. Additionally, the confirmation sampling grids were identified and marked prior to excavation.

A sheet pile wall earth retention system was installed in July 2001 along a portion of the western boundary of the Pond Parcel. The sheet pile wall was 80 feet long by 25 feet deep and its location is shown on Figures 4, 5, and 7. Excavation depths up to 12 feet were planned in the area along Kedzie Avenue. The Chicago Department of Transportation (CDOT) requested that the sidewalk and the right-

of-way not be disturbed during excavation activities. Accordingly, side sloping was not allowed, and a sheet pile wall was installed before excavation.

5.2 WASTE CHARACTERIZATION

Prior to excavation activities, waste characterization samples were collected for analyses. Composite soil sample RPS-WC1 was required by Waste Management to dispose of the material in the CID landfill, in Chicago, Illinois. The sample was collected on April 23, 2001 by Burns & McDonnell and submitted to Test America Inc. in Bartlett, Illinois under proper chain-of-custody. The sample was analyzed for pH, TCLP metals, TCLP pyridine, TCLP hexachlorobenzene, PCBs, flashpoint, reactive sulfide, paint filter, and LN Parameters (chemical oxygen demand, fats, oil and grease, ammonia nitrogen, pH, total cyanide, and oxidizing agents).

On May 2, 2001, Burns & McDonnell collected a grab soil sample (RPM-SB61-005) from the Rogers Park Pond Parcel and submitted it to STAT Analysis Corporation (STAT) in Chicago, Illinois under proper chain-of-custody. Analyses for sample RPM-SB61-005 were required by Heritage Environmental Services, LLC, to dispose of the material in the Roachdale Sub-Title C Landfill, in Roachdale, Indiana. Sample RPM-SB61-005 was collected in an area containing source material. While it was collected from an area within the Pond Parcel, it was representative of source material encountered on the Main Parcel as well. The sample was analyzed for TCLP VOCs, TCLP SVOCs, TCLP Metals, flashpoint, pH, paint filter, reactive sulfide, total solids, ash content, total cyanide, total phenol, extractable organic halides (EOX) and water reactivity. Analytical results of the waste characterization samples (RPS-WC1 and RPM-SB61-005) are presented in Appendix D.

5.3 AIR MONITORING

Air monitoring for BTEX and PAHs (as dust) was performed to ensure that residents of the surrounding community and onsite workers were not exposed to airborne compounds that may be emitted during remedial activities. Air monitoring was conducted in accordance with the procedures described below and documentation sheets are included in Appendix E.

5.3.1 Real-Time Air Monitoring

Air monitoring was performed around the perimeter during management of impacted media. PAH constituents, as dust, were monitored using a MiniRAM, a hand held dust collection device. A MiniRAE 2000 photoionization detector (PID) was used to determine real-time organic vapor concentrations. Organic vapor and dust monitoring were done regularly (approximately every hour) during the workday along the fence line. Readings were taken mainly in the north, south, east, and west portions of the Pond and Main Parcels in a rotating fashion. Appendix E contains the corresponding equipment calibration sheets, presents real-time air monitoring results during remedial activities, and corrective action sheets.

The action level for organic vapor specified in the Site Health and Safety Plan (HASP) of 0.2 parts per million (ppm) was rarely exceeded. On August 6, 7, and 8, 2001, PID readings exceeded 0.2 ppm around

the waste near the tar tank and gas holder excavation, and Draeger benzene tubes were used to measure ambient air benzene levels, in accordance with the procedures set forth in the HASP. All ambient benzene level results from the Draeger tubes were 0 ppm.

The action level for dust at the site was 150 $\mu g/m^3$ for the 24 hour average concentration of particulate matter less than 10 micrometers, as specified in 40 CFR 50.6. Dust levels exceeded the action level on August 6, 2001. A water truck was used to spray a small portion of the Main Parcel in order to minimize the dust.

Monitoring of onsite worker's health and safety is addressed in a separate Site HASP. The HASP was written specifically to address the chemical and physical hazards specific to the site (Burns & McDonnell 2001c). All persons working at the site were required to read, sign and conform to the requirements of the health and safety plan.

5.3.2 Ambient Air Monitoring

Ambient air monitoring was performed using Summa® canisters, which were analyzed for BTEX using USEPA Method TO-14A. The canisters were placed at north, south, east and west stations to provide representative results of the site (Figure 5). The canisters were located at a height of 8 to 9 feet above the ground surface. The canisters were not located in the direct vicinity of any permanent solid obstructions. Pre-excavation sampling was conducted from July 20 through July 24, 2001. Excavation air sampling was conducted from July 25 through September 26, 2001. The meteorological data associated with the air samples is shown in Table 5. The analytical results from the pre-excavation and excavation air samples are shown in Tables 3 and 4, respectively.

The Summa® canisters were analyzed for BTEX in a three-day cycle as shown below:

Work Day	Locations Sampled
1	4 (All sampling stations)
2	1 (Collected from the downwind station)
3	1 (Collected from the downwind station)
4...n	Repeat as indicated for Work Days 1 through 3

All of the canisters were analyzed every third monitoring day. Only the prevailing downwind air samples were analyzed on the other two days of each cycle. The Summa® canisters were placed into operation at approximately 6:30 am, before work commenced, and operated until all site work ceased for the day. None of the action levels for benzene, toluene, or ethylbenzene (39 parts per billion by volume (ppbv), 2,211 ppbv, or 4,883 ppbv, respectively) were exceeded. Appendix F contains the action level calculations. An allowable concentration at the receptor was calculated and then allowable vapor concentrations were calculated.

A portable meteorological station was set up onsite to monitor barometric pressure, wind speed and wind direction. The meteorological data was logged using an electronic data logger. Table 3 contains the meteorological data during excavation activities. The prevailing wind direction was determined by the meteorological station and used to designate the predominant downwind air monitoring location(s) for each air-sampling event.

As discussed above, PAH (as dust) monitoring was performed on a continuous basis at each stationary monitoring location using a hand held dust collection device (MiniRAM).

5.4 EXCAVATION

Excavation of the impacted soil was conducted at specified depths across the site. Based on the SI findings, excavation was planned from depths of two (2) feet to more than ten (10) feet. The tar tank, located in both the Main and Pond Parcels, was planned to be excavated to depths greater than ten (10) feet bgs. Figure 4 details the initial excavation layout plan. Figure 6 shows cross-sections of the excavation areas.

During excavation activities on the Main Parcel, historical structures were found. Some areas required deeper excavation than anticipated in order to achieve the remedial objectives and in order to remove historical structures. All excavation activities on the Main Parcel fall into one of the following categories: tar tank excavation, surface soil excavation, valve/wier box and concrete gas holder excavation, lead impacted area excavation, and miscellaneous steel tar pipe excavation. As presented above, air monitoring was conducted during all excavation activities.

5.4.1 Tar Tank Excavation

Based on the findings in the SI, excavation of the tar tank area began in late July 2001. Prior to excavation, a sheet pile earth retention system was installed to prevent damage from the deep excavation to Kedzie Avenue located directly west of the tar tank excavation area. Coal tar saturated material was observed in the tar tank excavation at depths greater than three (3) feet bgs. Excavation was performed to a depth of approximately twelve (12) feet bgs, until visually clean native clay was observed at the bottom of the excavation. The top three (3) feet of soil excavated from the tar tank area was managed as special waste and the more heavily impacted soil, generally excavated from the deeper area, was manifested as hazardous waste but disposed of in a Subtitle C facility in Indiana as special waste. The more heavily impacted material was considered to be a different waste stream than the special waste described above. This waste was segregated and loaded into lined end-dump trailers and transported to the Heritage Roachdale Sub-Title C landfill in Roachdale, Indiana. It was disposed of as non-hazardous special waste, although it was manifested in Illinois. Each manifest clearly stated the following in box J:

> *This consignment is not hazardous waste in the State of Indiana per the Indiana Department of Environmental Management correspondence dated January 21, 2001 to Regina Mahoney from Leah Fouty and the American Battery Recyclers, Inc. et al vs. USEPA (April 21, 2000)*

5.4.2 Surface Soil Excavation

Based on findings in the SI, the surface soil excavation in the eastern portion of the Main Parcel began in June 2001. The surface soil excavation was designed to remove soil to approximately 2 feet bgs in designated areas as shown in Figure 4. The areas were delineated based primarily on the results of surface soil sample SS-07. Based on confirmation composite samples discussed in Sections 5.6 and 6.1.1, one (1) area required additional excavation. Therefore, the eastern portion of the Main Parcel was excavated to approximately 3 feet bgs. The soil was managed as special waste and was disposed of at the CID facility.

5.4.3 Valve/Wier Box and Concrete Gas Holder Foundation Excavation

During the surface soil excavation on the Main and Pond Parcels, the concrete gas holder foundation was discovered. Three (3) holder invert valve/wier boxes were uncovered along the concrete gas holder foundation. The structures were at least twenty (20) feet wide by thirty (30) feet long by twelve (12) feet deep. They housed abandoned steel and cast iron piping and valves that were four (4) to five (5) feet in diameter. The two (2) valve/wier boxes within the Main Parcel were located on the northwest and northeast portion of the foundation. Excavation of the valve/wier boxes began in July 2001. Oily water and sludge were present in the valve/wier boxes. The liquid was collected, managed, transported and disposed of as hazardous waste at either Waste Management CID Bioplant in Calumet City, Illinois or Beaver Oil Company, Inc. in Hodgkins, Illinois for treatment. After removal of liquids, the valve/wier boxes were fully excavated to a depth of twelve (12) feet bgs. The piping in the valve/wier boxes was collected, decontaminated, and transported to United Scrap in Cicero, Illinois. The sludge and soil within and surrounding the boxes was collected into roll-off boxes, manifested as hazardous waste, and disposed of in the Subtitle C facility in Indiana as special waste.

Excavation of visually impacted soil around the concrete gas holder foundation began in September 2001. The section between the northwest and southeast valve/wier boxes was excavated to four (4) to five (5) feet bgs. The section between the southeast and northeast valve/wier boxes was excavated to five (5) feet bgs and the concrete holder was left intact on portions of the Main Parcel. All visually impacted material around the foundation was excavated and disposed.

5.4.4 Lead Impacted Area Excavation

Based on findings in the SI, a twenty-five (25) by twenty-five (25) foot lead impacted area was excavated to three (3) feet bgs at the Main Parcel. Piping associated with the former gas holder was also excavated from within and beyond the area. The soil was managed as special waste and was disposed of at the CID facility.

5.4.5 Miscellaneous Steel Pipe Excavation

During excavation of the lead impacted area and concrete holder foundation, small diameter steel piping was discovered. One (1) pipe extended approximately 250 feet across the northern portion of the Main Parcel. Excavation of the pipe line began in September 2001. The pipe line was excavated to three (3) to

five (5) feet bgs and removed. The steel pipe was collected and transported to United Scrap in Cicero, Illinois. The soil surrounding the pipeline was disposed of as special waste.

Figure 7 shows the final excavation map. Construction activities were documented. Daily reports of excavation activities, activity logs and other pertinent data were generated and maintained. Appendix G contains a copy of the daily reports.

5.5 SOIL AND WATER REMOVAL

A total of 25,020 tons of special waste was disposed of in the CID facility, approximately 1,137 tons of waste was disposed of in the Subtitle C facility in Indiana as special waste, and 97,037 gallons of wastewater was removed from the site, manifested, transported, and disposed of at either CID or Beaver Oil. The waste totals reflect the combined remediation of the Pond and Main Parcels, because the source material straddled the boundaries between the Parcels and the excavation work was done concurrently. Appendix H contains the manifest logs for special waste, hazardous waste, and hazardous liquid. Remedial action manifests and weight tickets are included in a separately bound book, entitled Remedial Action Manifests, Weight Tickets, and Summary of Disposal Quantities (Burns & McDonnell 2001d). This book was submitted to the Illinois EPA as part of the approved Pond Parcel ROR/RAP/RACR and will not be submitted as part of the Main Parcel ROR/RAP/RACR.

5.5.1 Soil Manifested as Special Waste

The majority of the soil collected from both the Pond and Main Parcels was characterized as special waste, with the exception of material excavated deeper than three (3) feet bgs with visible contamination in the vicinity of source material encountered in the tar tank and gas holder excavation areas, and the valve/wier boxes. Special waste soil was loaded into end-dump trucks, manifested as special waste, and transported to Waste Management's CID facility in Chicago, Illinois. The total volume of special waste and debris removed from the area was approximately 25,020 tons.

5.5.2 Soil Manifested as Hazardous Waste in Illinois

Some material removed deeper than three (3) feet bgs in the tar tank area and valve/wier box excavation areas was characterized as RCRA hazardous waste in the State of Illinois based on the waste characterization samples RPM-SP61-005. This sample has a TCLP benzene concentration greater than the regulatory level of 0.5 mg/L. The material was loaded into lined end-dump trucks or roll-off boxes, manifested as hazardous waste, and transported to Heritage Environmental's Roachdale Subtitle C Landfill in Roachdale, Indiana. Approximately 1,137 tons of this material was disposed of as special waste. Each manifest clearly stated the following in Box J:

> *This consignment is not hazardous waste in the State of Indiana per the Indiana Department of Environmental Management correspondence dated January 21, 2001 to Regina Mahoney from Leah Fouty and the American Battery Recyclers, Inc. et al vs. USEPA (April 21, 2000).*

5.5.3 Waste Water

As needed to facilitate excavation activities, stormwater runon/runoff was pumped from the tar tank excavation area. Water pumped from this area in the Main Parcel was temporarily stored in an onsite frac tank and then transported offsite to the Waste Management CID Bioplant in Calumet City, Illinois or Beaver Oil Company, Inc. in Hodgkins, Illinois for treatment. During the excavation of the valve/wier boxes, oily water was present inside of the boxes. The water contained inside of the valve/wier boxes was removed via vacuum truck and transported offsite to the above mentioned facilities. Water collected from the tar tank excavation, gas holder excavation, and the valve/wier boxes was not sampled during excavation activities, but was conservatively assumed to be hazardous for disposal purposes. One sludge sample (RPM-WCC) was collected from the southeast valve/wier box and the results were used to generate Beaver Oil Company Waste Survey Forms. Appendix D contains the Chain of Custody for sample RPM-WCC and the water survey forms from Beaver Oil Company. A total of 97,037 gallons was collected from the frac tank and valve/wier boxes.

5.5.4 Additional Waste

During excavation, piping and valves in the valve/wier boxes were removed. The piping and valves were made of steel and cast iron and were decontaminated and transported off site to United Scrap in Cicero, Illinois. Appendix D contains the United Scrap Drivers Ticket.

During excavation of the tar tank area and during decontamination of the valve/wier boxes, the workers wore personal protective equipment (PPE). The PPE and debris (paper/plastic) was stored in 55-gallon drums. The generated waste was transported offsite to the Michigan Disposal Waste Treatment Plant in Belleville, MI in two (2) 55-gallon drums. Appendix D contains the waste characterization report submitted to the Michigan Disposal Waste Treatment Plant.

5.6 CONFIRMATION SOIL SAMPLES

Confirmation soil sampling was performed in order to verify that soil exceeding TACO Tier 1 industrial/commercial and construction worker exposure objectives was removed within the Main Parcel. Confirmation samples were analyzed for either BTEX, styrene, PAHs (8270 SIM), and total and SPLP lead, although a remediation objective for lead was not required. The results were compared to Tier 1 industrial/commercial and construction worker screening levels (remediation objectives specified in Section 4.1). If measured concentrations exceeded the remediation objectives, the area from which the sample was collected was excavated further. Once this was complete, another confirmation sample was taken. Confirmation sampling locations are detailed on Figure 5. Figure 6 shows the cross sections with the confirmation sample locations.

Confirmation composite samples were collected in the eastern portion of the Main Parcel. This area was divided into 1/8 acre plots from which composite confirmation samples were collected. Based on the size of the site and the results of the SI, two (2) areas were delineated. The initial composite samples were analyzed for PAHs, total lead, and SPLP lead. Only one (1) area, RPM-CS02, required additional

excavation after initial confirmation sample results were obtained. The area was excavated further and one (1) additional confirmation sample was collected and analyzed for PAHs. In addition, the twenty-five (25) by twenty-five (25) foot lead impacted area in the Main Parcel was excavated to three (3) feet bgs and a confirmation composite sample was collected and analyzed for total lead and SPLP lead.

Confirmation grab samples were collected in the tar tank and gas holder excavations. In the tar tank excavation, the side walls were sampled at four (4) locations. Only the northern portion is located within the Main Parcel property boundary (Confirmation Soil Samples: RPM-CST-03L and RPM-CST-03U). At each location, upper and lower samples were collected at depths of approximately three (3) feet bgs and eight (8) feet bgs, respectively. One (1) grab sample was collected in the bottom center of the excavation at a depth of approximately twelve (12) feet bgs. The initial grab samples were analyzed for BTEX, styrene, PAHs, total and SPLP lead.

Confirmation samples were sent to STAT analytical laboratory. Analytical data is included in Appendix I.

5.7 POTENTIAL STORMWATER RUNON/RUNOFF AND SOIL EROSION AND SEDIMENT CONTROL

Erosion and sediment controls were implemented during construction activities including:

- Sequenced construction;
- Maintenance of erosion and sediment controls (silt fences);
- Installation of a sheet pile wall earth retention system;
- Construction of berms around the excavations;
- Excavated soil from the staging area was loaded onto trucks as quickly as possible; and
- Staged soils that were left on site overnight were compacted and covered with tarps.

Routine inspections of erosion and sediment control features were conducted on a daily basis, after each rainfall and during periods of extended rainfall. Repairs, if necessary, were made immediately.

5.8 BACKFILLING

Backfilling was used on the Main Parcel in order to fill in the excavated holes. Backfilling to grade occurred in the area of the sheet pile wall. The site was not fully restored due to the future plans to build a parking lot.

5.8.1 Tar Tank Excavation

The tar tank excavation was backfilled with 3-inch crushed concrete in August 2001, to a depth of approximately six (6) feet bgs. The CA-6 (crushed concrete) stone was placed at a depth of six (6) inches above the ground surface in the western half of the excavation in order to provide support for the sheet piling which was left in place. However, in the eastern half of the excavation, only three (3) feet of CA-6 stone was placed. Once the fill was in place it was leveled.

5.8.2 Valve/Wire Box Excavation

Backfilling of the valve/wier boxes began in late August 2001. Crushed concrete from the gas holder wall was placed at a depth of approximately two (2) feet, on top of which was placed five (5) feet of 3-inch crushed concrete. Five (5) feet of CA-6 stone was then used to completely fill the valve/wier boxes. The valve/wier boxes were covered with asphalt because they are located directly in the company parking lot.

5.8.3 Miscellaneous Steel Pipe Excavation

The 2-inch steel pipe excavation backfilling began in September 2001. The backfill consisted of CA-6. This excavation was completely filled.

5.9 DEMOBILIZATION AND SITE RESTORATION

After completion of soil removal activities, the following cleanup and site restoration activities were performed:

- Decontamination of potentially impacted equipment; and
- Removal of temporary construction trailer.

6.0 RESULTS

This section presents all sampling results, which demonstrate that all remedial objectives have been met.

6.1 CONFIRMATION SAMPLING

Confirmation sampling was done in accordance with the remedial objectives described in Section 4.0 of this report in order to confirm that the objectives were met. Table 6 summarizes the confirmation sampling results and the site-specific remedial objectives applicable to the Main Parcel. Although remediation objectives were not required to be established for lead, confirmation soil sampling included total and SPLP lead analyses. The confirmation samples collected on the Pond Parcel are discussed in the Illinois EPA approved *Rogers Park Sub-Shop, Pond Parcel Remedial Objectives Report/Remedial Action Plan/Remedial Action Completion Report* (Burns & McDonnell 2002). Excavation continued until remediation objectives were met. Figure 7 is an as-built excavation map, showing the areas of confirmation sampling. Appendix I contains the soil analytical data.

6.1.1 Composite Samples

The first round of composite confirmation samples was below the site-specific remediation objectives.

- Confirmation sample RPM-CS02-001 was initially compared to TACO Tier 1 residential screening levels. Therefore, one (1) additional confirmation sample was collected in the area (RPM-CS02-002). After sample RPM-CS02-002 was collected and analyzed the Main Parcel was to be screened against the lower TACO Tier 1 screening level between the industrial/commercial and construction worker exposure pathways. The area was excavated to a depth of approximately two (2) feet bgs.

6.1.2 Grab Samples

All confirmation grab samples collected in the tar tank excavation within the Main Parcel (RPM-CST-03U and RPM-CST-03L) were below the industrial/commercial and construction worker remedial objectives.

6.2 AIR SAMPLING

Ambient air monitoring results confirm that removal activities did not present adverse health effects for nearby residents or on-site workers. Analytical results show that the allowable concentrations for BTEX were not exceeded during handling of impacted material. Air monitoring results are presented in Appendix I.

7.0 SPECIAL CONDITIONS

In accordance with 35 IAC Part 742 and Section 742.1015, Subpart J, special conditions apply to the Rogers Park Sub-Shop Main Parcel site. The remedial action is a final action and a Comprehensive NFR letter is anticipated.

Special conditions that apply to the Main Parcel that should be considered in the development of the Comprehensive NFR letter, in accordance with 35 IAC 742 Subpart J include:

- future use of the property will be industrial/commercial (institutional control); and
- the City of Chicago ordinance prohibiting the installation of potable water wells (ordinance).

8.0 CONCLUSIONS

The remedial objectives for the Rogers Park Sub-Shop Main Parcel site in Section 4.0 were met as a result of the excavation activities described in Section 5.0. All soil that exceeded remediation objectives was removed from the Main Parcel. Remaining soil was confirmed to meet remediation objectives. The only special conditions that are required to be implemented at the Main Parcel include the institutional control that restricts future use of the property to industrial/commercial and the City of Chicago ordinance prohibiting the installation of potable water wells.

The data presented within this ROR/RAP/RACR is accurate and complete. With the implementation of the special conditions specified above, no further remedial activity is necessary on the Main Parcel and a Comprehensive NFR letter is anticipated.

9.0 REFERENCES

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4. Burns & McDonnell, 2001c. *Site Health and Safety Plan for Peoples Gas Rogers Park.* Chicago, Illinois. March.

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13. U.S. Environmental Protection Agency (USEPA) 1984. *Health Assessment Document for Inorganic Arsenic.* Research Triangle Park, NC.

TABLES

Table 1
Summary of Detected Constituents and Comparison with Tier 1 Remediation Objectives
Industrial/Commercial or Construction Worker Exposure Route (Lowest Tier 1 Screening Levels Presented)
Rogers Park Main Parcel

Compound/Analyte	Lowest Tier 1 Remediation Objectives for Industrial-Commercial or Construction Worker			Sample Location and Depth (feet below ground surface)/Concentration				
				RPM-SB24-001 0.5-1'	RPM-SB24-002 3-4'	RPM-SB24-003 5-7'	RPM-SB25-001 2-3'	RPM-SB25-002 5-7'
	Soil to GW (Class II)	Ingestion	Inhalation	WT ~ 10'	WT ~ 10'	WT ~ 10'	WT ~ 9'	WT ~ 9'
TCL VOCs (mg/kg)								
Acetone	16	200,000	100,000	NA	NA	NA	NA	NA
Benzene	0.17	100	1.60	0.002 U	0.01	0.002 U	0.002 U	0.003 J
2-Butanone	--	--	--	NA	NA	NA	NA	NA
Carbon disulfide	160	20,000	9	NA	NA	NA	NA	NA
Chlorodibromomethane	0.4	41,000	1,300	NA	NA	NA	NA	NA
Chloroethane	--	--	--	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	1.1	20,000	1,200	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	3.4	41,000	3,100	NA	NA	NA	NA	NA
Ethylbenzene	19	20,000	58	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Styrene	18	41,000	430	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Toluene	29	410,000	42	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Trichloroethylene	0.3	520	8.90	NA	NA	NA	NA	NA
Vinyl chloride	0.07	7.90	1.10	NA	NA	NA	NA	NA
Xylenes (total)	150	410,000	320	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
TCL SVOCs (mg/kg)								
Acenaphthene	2,900	120,000	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Acenaphthylene	--	--	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Anthracene	59,000	610,000	--	0.03	0.025 U	0.025 U	0.025 U	0.025 U
Benzo[a]anthracene	8	8	--	0.09	0.025 U	0.025 U	0.025 U	0.025 U
Benzo[b]fluoranthene	25	8	--	0.05	0.025 U	0.025 U	0.025 U	0.025 U
Benzo[k]fluoranthene	250	78	--	0.07	0.025 U	0.025 U	0.025 U	0.025 U
Benzo[g,h,i]perylene	--	--	--	0.04	0.025 U	0.025 U	0.025 U	0.025 U
Benzo[a]pyrene	82	0.80	--	0.05	0.025 U	0.025 U	0.025 U	0.025 U
Chrysene	800	780	--	0.08	0.025 U	0.025 U	0.025 U	0.025 U
Dibenzo[a,h]anthracene	7.6	0.80	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Fluoranthene	21,000	82,000	--	0.18	0.025 U	0.025 U	0.03	0.025 U
Fluorene	2,800	82,000	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Indeno[1,2,3-cd]pyrene	69	8	--	0.04	0.025 U	0.025 U	0.025 U	0.025 U
2-Methylnaphthalene	--	--	--	NA	NA	NA	NA	NA
Naphthalene	18	4,100	1.8	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Phenanthrene	--	--	--	0.08	0.025 U	0.025 U	0.025 U	0.025 U
Pyrene	21,000	61,000	--	0.17	0.025 U	0.025 U	0.04	0.025 U
Priority Pollutant Metals (mg/kg)								
Arsenic *	120	13	1,200	14.60	10.70	5.72	7.83	2.44
Barium	2,100	14,000	870,000	23.10	60.20	39.40	73.40	39.70
Beryllium	1,000,000	410	2,100	NA	NA	NA	NA	NA
Cadmium	4,300	200	2,800	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chromium**	28	4,000	420	19.80	27.00	16.70	26.20	16.80
Copper	330,000	8,200	--	NA	NA	NA	NA	NA
Lead***	36	400	--	32.50	18.70	16.90	16.70	14.10
Mercury	40	61	52,000	0.040 U	0.05	0.04	0.040 U	0.040 U
Nickel	76,000	4,100	440,000	NA	NA	NA	NA	NA
Selenium	2.4	1,000	--	1.04	1.00 U	1.00 U	1.00 U	1.00 U
Silver**	110	1,000	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Thallium	38	160	--	NA	NA	NA	NA	NA
Zinc	110,000	61,000	--	NA	NA	NA	NA	NA
Total Cyanide	120	4,100	--	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
SPLP Lead and Chromium (mg/L)								
SPLP Lead	0.10	--	--	NA	NA	NA	NA	NA
SPLP Chromium	1.00	--	--	NA	NA	NA	NA	NA

NOTES:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) NA - Not Analyzed.
(4) Shaded values exceeded Tier 1 level.
(5) -- Toxicity criteria not available for exposure route (Illinios EPA 2001).
(6) * Calculated 95% upper confidence limit for arsenic at the site (7.730 mg/kg) is below 13 mg/kg remediation objective.
(7) ** No pH dependent Class II value was available, therefore the Class I value was used to evaluate this pathway.
(8) *** Metropolitan Statistical Area Background
(9) WT ~ NE - Water table not encountered
(10) WT ~ n' - Water table approximately n feet below ground surface.
(11) NR - Not Relevant

Table 1 (Continued)
Summary of Detected Constituents and Comparison with Tier 1 Remediation Objectives
Industrial/Commercial or Construction Worker Exposure Route (Lowest Tier 1 Screening Levels Presented)
Rogers Park Main Parcel

Compound/Analyte	Lowest Tier 1 Remediation Objectives for Industrial-Commercial or Construction Worker			Sample Location and Depth (feet below ground surface)/Concentration				
				RPM-SB32-001 1-2'	RPM-SB32-002 2-3'	RPM-SB32-003 3-5'	RPM-SB33-001 1-2'	RPM-SB33-002 2-3'
	Soil to GW (Class II)	Ingestion	Inhalation	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL VOCs (mg/kg)								
Acetone	16	200,000	100,000	NA	NA	NA	NA	NA
Benzene	0.17	100	1.60	0.002 U	0.002 U	0.002 U	0.002 U	0.01
2-Butanone	--	--	--	NA	NA	NA	NA	NA
Carbon Disulfide	160	20,000	9	NA	NA	NA	NA	NA
Chlorodibromomethane	0.4	41,000	1,300	NA	NA	NA	NA	NA
Chloroethane	--	--	--	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	1.1	20,000	1,200	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	3.4	41,000	3,100	NA	NA	NA	NA	NA
EthylBenzene	19	20,000	58	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Styrene	18	41,000	430	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Toluene	29	410,000	42	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Trichloroethene	0.3	520	8.90	NA	NA	NA	NA	NA
Vinyl Chloride	0.07	7.90	1.10	NA	NA	NA	NA	NA
Xylenes (total)	150	410,000	320	0.005 U	0.005 U	0.005 U	0.005 U	0.01
TCL SVOCs (mg/kg)								
Acenaphthene	2,900	120,000	--	0.025 U	0.025 U	0.025 U	0.07	0.025 U
Acenaphthylene	--	--	--	0.025 U	0.025 U	0.025 U	0.03	0.025 U
Anthracene	59,000	610,000	--	0.025 U	0.025 U	0.025 U	0.09	0.025 U
Benzo[a]anthracene	8	8	--	0.025 U	0.025 U	0.025 U	0.06	0.03
Benzo[b]fluoranthene	25	8	--	0.025 U	0.025 U	0.025 U	0.03	0.03
Benzo[k]fluoranthene	250	78	--	0.025 U	0.025 U	0.025 U	0.04	0.025 U
Benzo[g,h,i]perylene	--	--	--	0.025 U	0.025 U	0.025 U	0.03	0.025 U
Benzo[a]pyrene	82	0.80	--	0.025 U	0.025 U	0.025 U	0.05	0.03
Chrysene	800	780	--	0.025 U	0.025 U	0.025 U	0.07	0.04
Dibenzo[a,h]anthracene	7.6	0.80	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Fluoranthene	21,000	82,000	--	0.025 U	0.025 U	0.025 U	0.08	0.025 U
Fluorene	2,800	82,000	--	0.025 U	0.025 U	0.025 U	0.10	0.025 U
Indeno[1,2,3-cd]pyrene	69	8	--	0.025 U	0.025 U	0.025 U	0.03	0.025 U
2-Methylnaphthalene	--	--	--	NA	NA	NA	NA	NA
Naphthalene	18	4,100	1.8	0.025 U	0.025 U	0.025 U	0.12	0.13
Phenanthrene	--	--	--	0.025 U	0.025 U	0.025 U	0.31	0.08
Pyrene	21,000	61,000	--	0.025 U	0.025 U	0.025 U	0.10	0.06
Priority Pollutant Metals (mg/kg)								
Arsenic *	120	13	1,200	3.55	2.05	8.10	5.02	4.20
Barium	2,100	14,000	870,000	66.30	58.80	42.50	59.30	39.00
Beryllium	1,000,000	410	2,100	NA	NA	NA	NA	NA
Cadmium	4,300	200	2,800	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chromium**	28	4,000	420	20.10	20.90	22.60	14.20	11.90
Copper	330,000	8,200	--	NA	NA	NA	NA	NA
Lead***	36	400	--	21.80	16.30	13.50	NR	NR
Mercury	40	61	52,000	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
Nickel	76,000	4,100	440,000	NA	NA	NA	NA	NA
Selenium	2.4	1,000	--	1.000 U	1.000 U	1.000 U	1.000 U	1.000 U
Silver**	110	1,000	--	0.500 U	0.500 U	0.500 U	0.51	0.500 U
Thallium	38	160	--	NA	NA	NA	NA	NA
Zinc	110,000	61,000	--	NA	NA	NA	NA	NA
Total Cyanide	120	4,100	--	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
SPLP Lead and Chromium (mg/L)								
SPLP Lead	0.10	--	--	NA	NA	NA	0.21	0.02
SPLP Chromium	1.00	--	--	NA	NA	NA	NA	NA

NOTES:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit
(2) J - Indicates an estimated value.
(3) NA - Not Analyzed.
(4) Shaded values exceeded Tier 1 level
(5) -- Toxicity criteria not available for exposure route (Illinios EPA 2001).
(6) * Calculated 95% upper confidence limit for arsenic at the site (7 730 mg/kg) is below 13 mg/kg remediation objective.
(7) ** No pH dependent Class II value was available, therefore the Class I value was used to evaluate this pathway.
(8) *** Constituent not detected, however reported detection limit is greater than Tier 1 screening level.
(9) WT ~ NE - Water table not encountered.
(10) WT ~ n' - Water table approximately n feet below ground surface.
(11) NR - Not Relevant

Table 1 (Continued)
Summary of Detected Constituents and Comparison with Tier 1 Remediation Objectives
Industrial/Commercial or Construction Worker Exposure Route (Lowest Tier 1 Screening Levels Presented)
Rogers Park Main Parcel

Compound/Analyte	Lowest Tier 1 Remediation Objectives for Industrial-Commercial or Construction Worker			Sample Location and Depth (feet below ground surface)/Concentration				
				RPM-SB33-003 3-5'	RPM-SB33-004 7-9'	RPM-SB34-001 5-7'	RPM-SB39-001 0-1'	RPM-SB39-002 2-3
	Soil to GW (Class II)	Ingestion	Inhalation	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL VOCs (mg/kg)								
Acetone	16	200,000	100,000	NA	NA	NA	0.626 J	0.025 U
Benzene	0.17	100	1.60	0.002 U	0.09	0.01	0.005 U	0.005 U
2-Butanone	--	--	--	NA	NA	NA	0.08	0.010 U
Carbon Disulfide	160	20,000	9	NA	NA	NA	0.01	0.005 U
Chlorodibromomethane	0.4	41,000	1,300	NA	NA	NA	0.005 U	0.005 U
Chloroethane	--	--	--	NA	NA	NA	0.010 U	0.010 U
cis-1,2-Dichloroethene	1.1	20,000	1,200	NA	NA	NA	0.005 U	0.005 U
trans-1,2-Dichloroethene	3.4	41,000	3,100	NA	NA	NA	0.005 U	0.005 U
EthylBenzene	19	20,000	58	0.005 U	2.15	0.005 U	0.005 U	0.005 U
Styrene	18	41,000	430	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
Toluene	29	410,000	42	0.005 U	0.13	0.005 U	0.005 U	0.005 U
Trichloroethene	0.3	520	8.90	NA	NA	NA	0.005 U	0.005 U
Vinyl Chloride	0.07	7.90	1.10	NA	NA	NA	0.010 U	0.010 U
Xylenes (total)	150	410,000	320	0.005 U	4.54	NA	0.01	0.01
TCL SVOCs (mg/kg)								
Acenaphthene	2,900	120,000	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Acenaphthylene	--	--	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Anthracene	59,000	610,000	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Benzo[a]anthracene	8	8	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Benzo[b]fluoranthene	25	8	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Benzo[k]fluoranthene	250	78	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Benzo[g,h,i]perylene	--	--	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Benzo[a]pyrene	82	0.80	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Chrysene	800	780	--	0.025 U	0.025 U	0.025 U	0.03	0.025 U
Dibenzo[a,h]anthracene	7.6	0.80	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Fluoranthene	21,000	82,000	--	0.025 U	0.025 U	0.025 U	0.04	0.025 U
Fluorene	2,800	82,000	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Indeno[1,2,3-cd]pyrene	69	8	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
2-Methylnaphthalene	--	--	--	NA	NA	NA	NA	NA
Naphthalene	18	4,100	1.8	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Phenanthrene	--	--	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Pyrene	21,000	61,000	--	0.025 U	0.025 U	0.025 U	0.03	0.025 U
Priority Pollutant Metals (mg/kg)								
Arsenic *	120	13	1,200	9.92	6.74	8.62	16.70	2.68
Barium	2,100	14,000	870,000	52.00	46.70	54.50	85.50	58.70
Beryllium	1,000,000	410	2,100	NA	NA	NA	NA	NA
Cadmium	4,300	200	2,800	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chromium**	28	4,000	420	14.00	18.80	22.50	20.70	21.30
Copper	330,000	8,200	--	NA	NA	NA	NA	NA
Lead***	36	400	--	12.40	NR	15.40	27.90	15.90
Mercury	40	61	52,000	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
Nickel	76,000	4,100	440,000	NA	NA	NA	NA	NA
Selenium	2.4	1,000	--	1.000 U	1.000 U	1.00 U	1.00 U	1.00 U
Silver**	110	1,000	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Thallium	38	160	--	NA	NA	NA	NA	NA
Zinc	110,000	61,000	--	NA	NA	NA	NA	NA
Total Cyanide	120	4,100	--	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
SPLP Lead and Chromium (mg/L)								
SPLP Lead	0.10	--	--	NA	0.005U	NA	NA	NA
SPLP Chromium	1.00	--	--	NA	NA	NA	NA	NA

NOTES:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) NA - Not Analyzed.
(4) Shaded values exceeded Tier 1 level.
(5) -- Toxicity criteria not available for exposure route (Illinios EPA 2001).
(6) * Calculated 95% upper confidence limit for arsenic at the site (7.730 mg/kg) is below 13 mg/kg remediation objective.
(7) ** No pH dependent Class II value was available, therefore the Class I value was used to evaluate this pathway.
(8) *** Constituent not detected, however reported detection limit is greater than Tier 1 screening level.
(9) WT ~ NE - Water table not encountered.
(10) WT ~ n' - Water table approximately n feet below ground surface.
(11) NR - Not Relevant

Table 1 (Continued)
Summary of Detected Constituents and Comparison with Tier 1 Remediation Objectives
Industrial/Commercial or Construction Worker Exposure Route (Lowest Tier 1 Screening Levels Presented)
Rogers Park Main Parcel

Compound/Analyte	Lowest Tier 1 Remediation Objectives for Industrial-Commercial or Construction Worker			Sample Location and Depth (feet below ground surface)/Concentration				
				RPM-SB39-003 3-5'	RPM-SB40-001 0-1'	RPM-SB40-002 2-3'	RPM-SB40-003 7-9'	RPM-SB41-001 3-5'
	Soil to GW (Class II)	Ingestion	Inhalation	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL VOCs (mg/kg)								
Acetone	16	200,000	100,000	0.13	0.27	0.11	0.06	NA
Benzene	0.17	100	1.60	0.005 U	0.005 U	0.005 U	0.005 U	0.002 U
2-Butanone	--	--	--	0.02	0.03	0.02	0.01	NA
Carbon Disulfide	160	20,000	9	0.06	0.005 U	0.01	0.005 U	NA
Chlorodibromomethane	0.4	41,000	1,300	0.005 U	0.005 U	0.005 U	0.005 U	NA
Chloroethane	--	--	--	0.010 U	0.010 U	0.010 U	0.010 U	NA
cis-1,2-Dichloroethene	1.1	20,000	1,200	0.444 J	0.005 U	0.005 U	0.10	NA
trans-1,2-Dichloroethene	3.4	41,000	3,100	0.005 U	0.005 U	0.005 U	0.01	NA
EthylBenzene	19	20,000	58	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Styrene	18	41,000	430	0.005 U	0.005 U	0.005 U	0.005 U	NA
Toluene	29	410,000	42	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Trichloroethene	0.3	520	8.90	0.02	0.005 U	0.005 U	0.08	NA
Vinyl Chloride	0.07	7.90	1.10	0.03	0.010 U	0.010 U	0.010 U	NA
Xylenes (total)	150	410,000	320	0.005 U	0.005 U	0.005U	0.005 U	0.005 U
TCL SVOCs (mg/kg)								
Acenaphthene	2,900	120,000	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Acenaphthylene	--	--	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Anthracene	59,000	610,000	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Benzo[a]anthracene	8	8	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Benzo[b]fluoranthene	25	8	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Benzo[k]fluoranthene	250	78	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Benzo[g,h,i]perylene	--	--	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Benzo[a]pyrene	82	0.80	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Chrysene	800	780	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Dibenzo[a,h]anthracene	7.6	0.80	--	0.025U	0.025 U	0.025 U	0.025 U	0.025 U
Fluoranthene	21,000	82,000	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Fluorene	2,800	82,000	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Indeno[1,2,3-cd]pyrene	69	8	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
2-Methylnaphthalene	--	--	--	NA	NA	NA	NA	NA
Naphthalene	18	4,100	1.8	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Phenanthrene	--	--	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Pyrene	21,000	61,000	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Priority Pollutant Metals (mg/kg)								
Arsenic *	120	13	1,200	2.54	3.74	5.34	11.50	7.56
Barium	2,100	14,000	870,000	59.90	54.10	52.60	54.10	73.30
Beryllium	1,000,000	410	2,100	NA	NA	NA	NA	NA
Cadmium	4,300	200	2,800	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chromium**	28	4,000	420	20.40	17.50	22.00	20.40	19.50
Copper	330,000	8,200	--	NA	NA	NA	NA	NA
Lead***	36	400	--	14.10	24.60	15.00	15.10	15.30
Mercury	40	61	52,000	0.040 U	0.10	0.040 U	0.040 U	0.05
Nickel	76,000	4,100	440,000	NA	NA	NA	NA	NA
Selenium	2.4	1,000	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Silver**	110	1,000	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Thallium	38	160	--	NA	NA	NA	NA	NA
Zinc	110,000	61,000	--	NA	NA	NA	NA	NA
Total Cyanide	120	4,100	--	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
SPLP Lead and Chromium (mg/L)								
SPLP Lead	0.10	--	--	NA	NA	NA	NA	NA
SPLP Chromium	1.00	--	--	NA	NA	NA	NA	NA

NOTES:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value
(3) NA - Not Analyzed.
(4) Shaded values exceeded Tier 1 level.
(5) -- Toxicity criteria not available for exposure route (Illinios EPA 2001).
(6) * Calculated 95% upper confidence limit for arsenic at the site (7.730 mg/kg) is below 13 mg/kg remediation objective.
(7) ** No pH dependent Class II value was available, therefore the Class I value was used to evaluate this pathway.
(8) *** Constituent not detected, however reported detection limit is greater than Tier 1 screening level.
(9) WT ~ NE - Water table not encountered.
(10) WT ~ n' - Water table approximately n feet below ground surface.
(11) NR - Not Relevant

Table 1 (Continued)
Summary of Detected Constituents and Comparison with Tier 1 Remediation Objectives
Industrial/Commercial or Construction Worker Exposure Route (Lowest Tier 1 Screening Levels Presented)
Rogers Park Main Parcel

Compound/Analyte	Lowest Tier 1 Remediation Objectives for Industrial-Commercial or Construction Worker			Sample Location and Depth (feet below ground surface)/Concentration				
				RPM-SB42-001 2-3'	RPM-SB42-002 3-5'	RPM-SB43-001 5-7'	RPM-SB44-001 2-3'	RPM-SB44-002 5-7'
	Soil to GW (Class II)	Ingestion	Inhalation	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL VOCs (mg/kg)								
Acetone	16	200,000	100,000	NA	NA	NA	NA	NA
Benzene	0.17	100	1.60	0.002 U	0.002 U	0.003 J	0.002 U	0.002 U
2-Butanone	--	--	--	NA	NA	NA	NA	NA
Carbon Disulfide	160	20,000	9	NA	NA	NA	NA	NA
Chlorodibromomethane	0.4	41,000	1,300	NA	NA	NA	NA	NA
Chloroethane	--	--	--	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	1.1	20,000	1,200	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	3.4	41,000	3,100	NA	NA	NA	NA	NA
EthylBenzene	19	20,000	58	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U
Styrene	18	41,000	430	NA	NA	NA	NA	NA
Toluene	29	410,000	42	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U
Trichloroethene	0.3	520	8.90	NA	NA	NA	NA	NA
Vinyl Chloride	0.07	7.90	1.10	NA	NA	NA	NA	NA
Xylenes (total)	150	410,000	320	0.00 5U	0.005 U	0.005 UJ	0.005 U	0.005 U
TCL SVOCs (mg/kg)								
Acenaphthene	2,900	120,000	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 UJ
Acenaphthylene	--	--	--	0.025 U	0.025 U	0.025 U	0.04	0.025 UJ
Anthracene	59,000	610,000	--	0.025 U	0.025 U	0.025 U	0.025U	0.025 UJ
Benzo[a]anthracene	8	8	--	0.025 U	0.025 U	0.025 U	0.09	0.025 UJ
Benzo[b]fluoranthene	25	8	--	0.025 U	0.025 U	0.025 U	0.05	0.025 UJ
Benzo[k]fluoranthene	250	78	--	0.025 U	0.025 U	0.025 U	0.05	0.025 UJ
Benzo[g,h,i]perylene	--	--	--	0.025 U	0.025 U	0.025 U	0.03	0.025 UJ
Benzo[a]pyrene	82	0.80	--	0.025 U	0.025 U	0.025 U	0.07	0.025 UJ
Chrysene	800	780	--	0.025 U	0.025 U	0.025 U	0.15	0.025 UJ
Dibenzo[a,h]anthracene	7.6	0.80	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 UJ
Fluoranthene	21,000	82,000	--	0.03	0.025 U	0.025 U	0.11	0.025 UJ
Fluorene	2,800	82,000	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 UJ
Indeno[1,2,3-cd]pyrene	69	8	--	0.025 U	0.025 U	0.025 U	0.03	0.025 UJ
2-Methylnaphthalene	--	--	--	NA	NA	NA	NA	NA
Naphthalene	18	4,100	1.8	0.025 U	0.025 U	0.025 U	0.025 U	0.025 UJ
Phenanthrene	--	--	--	0.025 U	0.025 U	0.025 U	0.10	0.025 UJ
Pyrene	21,000	61,000	--	0.025 U	0.025 U	0.025 U	0.16	0.025 UJ
Priority Pollutant Metals (mg/kg)								
Arsenic *	120	13	1,200	4.80	2.65	10.20	7.17	4.13
Barium	2,100	14,000	870,000	62.90	45.20	45.60	89.30	55.20
Beryllium	1,000,000	410	2,100	NA	NA	NA	NA	NA
Cadmium	4,300	200	2,800	0.500 U	0.500 U	0.500 U	0.66	0.500 U
Chromium**	28	4,000	420	20.90	19.60	23.00	21.20	22.00
Copper	330,000	8,200	--	NA	NA	NA	NA	NA
Lead***	36	400	--	NR	27.30	17.40	NR	14.70
Mercury	40	61	52,000	0.04	0.040 U	0.040 U	0.07	0.040 U
Nickel	76,000	4,100	440,000	NA	NA	NA	NA	NA
Selenium	2.4	1,000	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Silver**	110	1,000	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Thallium	38	160	--	NA	NA	NA	NA	NA
Zinc	110,000	61,000	--	NA	NA	NA	NA	NA
Total Cyanide	120	4,100	--	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
SPLP Lead and Chromium (mg/L)								
SPLP Lead	0.10	--	--	0.01	NA	NA	0.01	NA
SPLP Chromium	1.00	--	--	NA	NA	NA	NA	NA

NOTES:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) NA - Not Analyzed.
(4) Shaded values exceeded Tier 1 level.
(5) -- Toxicity criteria not available for exposure route (Illinios EPA 2001).
(6) * Calculated 95% upper confidence limit for arsenic at the site (7.730 mg/kg) is below 13 mg/kg remediation objective.
(7) ** No pH dependent Class II value was available, therefore the Class I value was used to evaluate this pathway.
(8) *** Constituent not detected, however reported detection limit is greater than Tier 1 screening level.
(9) WT ~ NE - Water table not encountered.
(10) WT ~ n' - Water table approximately n feet below ground surface.
(11) NR - Not Relevant

Table 1 (Continued)
Summary of Detected Constituents and Comparison with Tier 1 Remediation Objectives
Industrial/Commercial or Construction Worker Exposure Route (Lowest Tier 1 Screening Levels Presented)
Rogers Park Main Parcel

Compound/Analyte	Lowest Tier 1 Remediation Objectives for Industrial-Commercial or Construction Worker			Sample Location and Depth (feet below ground surface)/Concentration				
				RPM-SB45-001 3-5'	RPM-SB46-001 1-2'	RPM-SB46-002 4-6'	RPM-SB47-001 5-7'	RPM-SB60-001 3-5'
	Soil to GW (Class II)	Ingestion	Inhalation	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ 7'	WT ~ NE
TCL VOCs (mg/kg)								
Acetone	16	200,000	100,000	NA	NA	NA	NA	NA
Benzene	0.17	100	1.60	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
2-Butanone	--	--	--	NA	NA	NA	NA	NA
Carbon Disulfide	160	20,000	9	NA	NA	NA	NA	NA
Chlorodibromomethane	0.4	41,000	1,300	NA	NA	NA	NA	NA
Chloroethane	--	--	--	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	1.1	20,000	1,200	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	3.4	41,000	3,100	NA	NA	NA	NA	NA
EthylBenzene	19	20,000	58	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Styrene	18	41,000	430	NA	NA	NA	NA	0.005U
Toluene	29	410,000	42	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Trichloroethene	0.3	520	8.90	NA	NA	NA	NA	NA
Vinyl Chloride	0.07	7.90	1.10	NA	NA	NA	NA	NA
Xylenes (total)	150	410,000	320	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
TCL SVOCs (mg/kg)								
Acenaphthene	2,900	120,000	--	0.025 U	0.025 U	0.025 U	0.025 U	0.04
Acenaphthylene	--	--	--	0.025 U	0.025 U	0.025 U	0.025 U	0.05
Anthracene	59,000	610,000	--	0.025 U	0.025 U	0.025 U	0.025 U	0.09
Benzo[a]anthracene	8	8	--	0.025 U	0.025 U	0.025 U	0.025 U	0.04
Benzo[b]fluoranthene	25	8	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Benzo[k]fluoranthene	250	78	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Benzo[g,h,i]perylene	--	--	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Benzo[a]pyrene	82	0.80	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Chrysene	800	780	--	0.025 U	0.025 U	0.025 U	0.025 U	0.05
Dibenzo[a,h]anthracene	7.6	0.80	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Fluoranthene	21,000	82,000	--	0.025 U	0.025 U	0.025 U	0.025 U	0.07
Fluorene	2,800	82,000	--	0.025 U	0.025 U	0.025 U	0.025 U	0.15
Indeno[1,2,3-cd]pyrene	69	8	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
2-Methylnaphthalene	--	--	--	NA	NA	NA	NA	NA
Naphthalene	18	4,100	1.8	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Phenanthrene	--	--	--	0.025 U	0.025 U	0.025 U	0.025 U	0.28
Pyrene	21,000	61,000	--	0.025 U	0.025 U	0.025 U	0.025 U	0.11
Priority Pollutant Metals (mg/kg)								
Arsenic *	120	13	1,200	9.31	3.87	2.49	3.35	7.95
Barium	2,100	14,000	870,000	40.80	60.70	55.90	25.20	47.70
Beryllium	1,000,000	410	2,100	NA	NA	NA	NA	NA
Cadmium	4,300	200	2,800	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chromium**	28	4,000	420	19.70	28.2 #	19.60	10.20	21.70
Copper	330,000	8,200	--	NA	NA	NA	NA	NA
Lead***	36	400	--	15.40	15.20	15.60	9.53	18.10
Mercury	40	61	52,000	0.040 U	0.040 U	0.400 U	0.400 U	0.040 U
Nickel	76,000	4,100	440,000	NA	NA	NA	NA	NA
Selenium	2.4	1,000	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Silver**	110	1,000	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Thallium	38	160	--	NA	NA	NA	NA	NA
Zinc	110,000	61,000	--	NA	NA	NA	NA	NA
Total Cyanide	120	4,100	--	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
SPLP Lead and Chromium (mg/L)								
SPLP Lead	0.10	--	--	NA	NA	NA	NA	NA
SPLP Chromium	1.00	--	--	NA	NA	NA	NA	NA

NOTES:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) NA - Not Analyzed.
(4) Shaded values exceeded Tier 1 level.
(5) -- Toxicity criteria not available for exposure route (Illinios EPA 2001).
(6) * Calculated 95% upper confidence limit for arsenic at the site (7.730 mg/kg) is below 13 mg/kg remediation objective.
(7) ** No pH dependent Class II value was available, therefore the Class I value was used to evaluate this pathway.
(8) *** Constituent not detected, however reported detection limit is greater than Tier 1 screening level.
(9) WT ~ NE - Water table not encountered.
(10) WT ~ n' - Water table approximately n feet below ground surface.
(11) NR - Not Relevant
(12) # - SPLP chromium run on select samples all below Tier 1 objective. Had SPLP chromium been run, result would likely be below 1.0 mg/L

Table 1 (Continued)
Summary of Detected Constituents and Comparison with Tier 1 Remediation Objectives
Industrial/Commercial or Construction Worker Exposure Route (Lowest Tier 1 Screening Levels Presented)
Rogers Park Main Parcel

Compound/Analyte	Lowest Tier 1 Remediation Objectives for Industrial-Commercial or Construction Worker			Sample Location and Depth (feet below ground surface)/Concentration				
				RPM-SB60-002 7-9'	RPM-SB76-001 3-5'	RPM-SB76-002 6-8'	RPM-SB77-001 3-4'	RPM-SB77-002 8-10'
	Soil to GW (Class II)	Ingestion	Inhalation	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ 8'	WT ~ 8'
TCL VOCs (mg/kg)								
Acetone	16	200,000	100,000	NA	0.08	0.025 U	0.025 U	0.025U
Benzene	0.17	100	1.60	0.002 U	0.005 U	0.005 U	0.005 U	0.005U
2-Butanone	--	--	--	NA	0.02	0.010 U	0.010 U	0.010U
Carbon Disulfide	160	20,000	9	NA	0.005 U	0.005 U	0.005 U	0.005U
Chlorodibromomethane	0.4	41,000	1,300	NA	0.005 U	0.005 U	0.005 U	0.005U
Chloroethane	--	--	--	NA	0.010 U	0.010 U	0.010 U	0.010U
cis-1,2-Dichloroethene	1.1	20,000	1,200	NA	0.005 U	0.005 U	0.005 U	0.005U
trans-1,2-Dichloroethene	3.4	41,000	3,100	NA	0.005 U	0.005 U	0.005 U	0.005U
EthylBenzene	19	20,000	58	0.005 U	0.005 U	0.005 U	0.005 U	0.005U
Styrene	18	41,000	430	0.005 U	0.005 U	0.005 U	0.005 U	0.005U
Toluene	29	410,000	42	0.005 U	0.005 U	0.005 U	0.005 U	0.005U
Trichloroethene	0.3	520	8.90	NA	0.005 U	0.005 U	0.005 U	0.005U
Vinyl Chloride	0.07	7.90	1.10	NA	0.010 U	0.010 U	0.010 U	0.010U
Xylenes (total)	150	410,000	320	0.005 U	0.005 U	0.005 U	0.005 U	0.005U
TCL SVOCs (mg/kg)								
Acenaphthene	2,900	120,000	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025U
Acenaphthylene	--	--	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025U
Anthracene	59,000	610,000	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025U
Benzo[a]anthracene	8	8	--	0.025 U	0.025 U	0.025 U	0.03	0.025U
Benzo[b]fluoranthene	25	8	--	0.025 U	0.025 U	0.025 U	0.03	0.025U
Benzo[k]fluoranthene	250	78	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025U
Benzo[g,h,i]perylene	--	--	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025U
Benzo[a]pyrene	82	0.80	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025U
Chrysene	800	780	--	0.025 U	0.025 U	0.025 U	0.03	0.025U
Dibenzo[a,h]anthracene	7.6	0.80	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025U
Fluoranthene	21,000	82,000	--	0.025 U	0.025 U	0.025 U	0.05	0.025U
Fluorene	2,800	82,000	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025U
Indeno[1,2,3-cd]pyrene	69	8	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025U
2-Methylnaphthalene	--	--	--	NA	NA	NA	NA	NA
Naphthalene	18	4,100	1.8	0.025 U	0.025 U	0.025 U	0.025 U	0.025U
Phenanthrene	--	--	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025U
Pyrene	21,000	61,000	--	0.025 U	0.025 U	0.025 U	0.04	0.025U
Priority Pollutant Metals (mg/kg)								
Arsenic *	120	13	1,200	5.23	6.69	3.46	5.45	9.81
Barium	2,100	14,000	870,000	48.70	74.70	54.80	16.30	56.90
Beryllium	1,000,000	410	2,100	NA	NA	NA	NA	NA
Cadmium	4,300	200	2,800	0.500 U	0.500 U	0.500 U	0.500 U	0.500U
Chromium**	28	4,000	420	21.30	19.70	21.30	6.54	21.90
Copper	330,000	8,200	--	NA	NA	NA	NA	NA
Lead***	36	400	--	13.10	30.40	12.00	237 #	14.10
Mercury	40	61	52,000	0.040 U	0.040 U	0.040 U	0.53	0.040U
Nickel	76,000	4,100	440,000	NA	NA	NA	NA	NA
Selenium	2.4	1,000	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00U
Silver**	110	1,000	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500U
Thallium	38	160	--	NA	NA	NA	NA	NA
Zinc	110,000	61,000	--	NA	NA	NA	NA	NA
Total Cyanide	120	4,100	--	0.25 U	0.30	0.25 U	0.25 U	0.25U
SPLP Lead and Chromium (mg/L)								
SPLP Lead	0.10	--	--	NA	NA	NA	NA	NA
SPLP Chromium	1.00	--	--	NA	NA	NA	NA	NA

NOTES:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) NA - Not Analyzed.
(4) Shaded values exceeded Tier 1 level.
(5) -- Toxicity criteria not available for exposure route (Illinios EPA 2001).
(6) * Calculated 95% upper confidence limit for arsenic at the site (7.730 mg/kg) is below 13 mg/kg remediation objective.
(7) ** No pH dependent Class II value was available, therefore the Class I value was used to evaluate this pathway.
(8) *** Constituent not detected, however reported detection limit is greater than Tier 1 screening level.
(9) WT ~ NE - Water table not encountered.
(10) WT ~ n' - Water table approximately n feet below ground surface.
(11) NR - Not Relevant
(12) # - SPLP lead run on select samples all below Tier 1 objective. Had SPLP lead been run, result would likely be below 1 0 mg/L.

Table 1 (Continued)
Summary of Detected Constituents and Comparison with Tier 1 Remediation Objectives
Industrial/Commercial or Construction Worker Exposure Route (Lowest Tier 1 Screening Levels Presented)
Rogers Park Main Parcel

Compound/Analyte	Lowest Tier 1 Remediation Objectives for Industrial-Commercial or Construction Worker			Sample Location and Depth (feet below ground surface)/Concentration				
				RPM-SB78-001 3-5'	RPM-SB78-002 6-8'	RPM-SB79-001 2-4'	RPM-SB79-002 6-8'	RPM-SB80-001 2-4'
	Soil to GW (Class II)	Ingestion	Inhalation	WT ~ NE	WT ~ NE	WT ~ 4'	WT ~ 4'	WT ~ 5'
TCL VOCs (mg/kg)								
Acetone	16	200,000	100,000	0.025 U	0.025 U	0.025 U	0.21	0.025 U
Benzene	0.17	100	1.60	0.005 U	0.005 U	0.005 U	0.005U	0.005 U
2-Butanone	--	--	--	0.010 U	0.010 U	0.010 U	0.010U	0.010 U
Carbon Disulfide	160	20,000	9	0.005 U	0.005 U	0.005 U	0.08	0.005 U
Chlorodibromomethane	0.4	41,000	1,300	0.005 U	0.005 U	0.005 U	0.005U	0.005 U
Chloroethane	--	--	--	0.010 U	0.010 U	0.010 U	0.010U	0.010 U
cis-1,2-Dichloroethene	1.1	20,000	1,200	0.005 U	0.005 U	0.005 U	0.005U	0.005 U
trans-1,2-Dichloroethene	3.4	41,000	3,100	0.005 U	0.005 U	0.005 U	0.005U	0.005 U
EthylBenzene	19	20,000	58	0.005 U	0.005 U	0.005 U	0.005U	0.005 U
Styrene	18	41,000	430	0.005 U	0.005 U	0.005 U	0.005U	0.005 U
Toluene	29	410,000	42	0.005 U	0.005 U	0.005 U	0.005U	0.005 U
Trichloroethene	0.3	520	8.90	0.005 U	0.005 U	0.005 U	0.005U	0.005 U
Vinyl Chloride	0.07	7.90	1.10	0.010 U	0.010 U	0.010 U	0.010U	0.010 U
Xylenes (total)	150	410,000	320	0.005 U	0.005 U	0.005 U	0.005U	0.005 U
TCL SVOCs (mg/kg)								
Acenaphthene	2,900	120,000	--	0.025 U	0.025 U	0.07	0.025U	0.04
Acenaphthylene	--	--	--	0.06	0.025 U	0.025 U	0.05	0.025 U
Anthracene	59,000	610,000	--	0.025 U	0.025 U	0.08	0.05	0.11
Benzo[a]anthracene	8	8	--	0.10	0.025 U	0.13	0.09	0.30
Benzo[b]fluoranthene	25	8	--	0.08	0.025 U	0.08	0.09	0.16
Benzo[k]fluoranthene	250	78	--	0.07	0.025 U	0.11	0.07	0.21
Benzo[g,h,i]perylene	--	--	--	0.07	0.025 U	0.10	0.06	0.17
Benzo[a]pyrene	82	0.80	--	0.09	0.025 U	0.12	0.10	0.28
Chrysene	800	780	--	0.11	0.03	0.15	0.09	0.31
Dibenzo[a,h]anthracene	7.6	0.80	--	0.025U	0.025U	0.05	0.03	0.09
Fluoranthene	21,000	82,000	--	0.09	0.05	0.27	0.10	0.75
Fluorene	2,800	82,000	--	0.025U	0.025U	0.04	0.025U	0.04
Indeno[1,2,3-cd]pyrene	69	8	--	0.06	0.025U	0.09	0.05	0.17
2-Methylnaphthalene	--	--	--	NA	NA	NA	NA	NA
Naphthalene	18	4,100	1.8	0.025U	0.025U	0.025U	0.025U	0.025U
Phenanthrene	--	--	--	0.03	0.03	0.12	0.05	0.36
Pyrene	21,000	61,000	--	0.12	0.04	0.23	0.10	0.57
Priority Pollutant Metals (mg/kg)								
Arsenic *	120	13	1,200	2.47	12.80	6.19	6.28	4.34
Barium	2,100	14,000	870,000	61.00	47.10	19.70	78.80	28.80
Beryllium	1,000,000	410	2,100	NA	NA	NA	NA	NA
Cadmium	4,300	200	2,800	0.500U	0.500U	0.500U	0.500U	0.500U
Chromium**	28	4,000	420	20.40	21.90	26.00	21.80	9.25
Copper	330,000	8,200	--	NA	NA	NA	NA	NA
Lead***	36	400	--	19.00	17.70	26.40	65.70	47.2 #
Mercury	40	61	52,000	0.040U	0.040U	0.040U	0.040U	0.23
Nickel	76,000	4,100	440,000	NA	NA	NA	NA	NA
Selenium	2.4	1,000	--	1.00U	1.00U	1.00U	1.00U	1.00U
Silver**	110	1,000	--	0.500U	0.500U	0.500U	0.500U	0.500U
Thallium	38	160	--	NA	NA	NA	NA	NA
Zinc	110,000	61,000	--	NA	NA	NA	NA	NA
Total Cyanide	120	4,100	--	0.25U	0.25U	0.25U	0.25U	0.54
SPLP Lead and Chromium (mg/L)								
SPLP Lead	0.10	--	--	NA	NA	NA	NA	NA
SPLP Chromium	1.00	--	--	NA	NA	NA	NA	NA

NOTES:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) NA - Not Analyzed.
(4) Shaded values exceeded Tier 1 level.
(5) -- Toxicity criteria not available for exposure route (Illinios EPA 2001).
(6) * Calculated 95% upper confidence limit for arsenic at the site (7.730 mg/kg) is below 13 mg/kg remediation objective
(7) ** No pH dependent Class II value was available, therefore the Class I value was used to evaluate this pathway.
(8) *** Constituent not detected, however reported detection limit is greater than Tier 1 screening level
(9) WT ~ NE - Water table not encountered.
(10) WT ~ n' - Water table approximately n feet below ground surface.
(11) NR - Not Relevant
(12) # - SPLP lead run on select samples all below Tier 1 objective. Had lead chromium been run, result would likely be below 1.0 mg/L

Table 1 (Continued)
Summary of Detected Constituents and Comparison with Tier 1 Remediation Objectives
Industrial/Commercial or Construction Worker Exposure Route (Lowest Tier 1 Screening Levels Presented)
Rogers Park Main Parcel

	Lowest Tier 1 Remediation Objectives for Industrial-Commercial or Construction Worker			Sample Location and Depth (feet below ground surface)/Concentration				
				RPM-SB81-001 3-4'	RPM-SB81-002 6-8'	RPM-SB82-001 7-8'	RPM-SB83-001 3-4'	RPM-SB83-002 6-8'
Compound/Analyte	Soil to GW (Class II)	Ingestion	Inhalation	WT ~ 4'	WT ~ 4'	WT ~ 7'	WT ~ 9'	WT ~ 9'
TCL VOCs (mg/kg)								
Acetone	16	200,000	100,000	0.13	0.06	0.025U	0.025 U	0.025 U
Benzene	0.17	100	1.60	0.005 U	0.005U	0.005U	0.005 U	0.005 U
2-Butanone	--	--	--	0.02	0.010U	0.010U	0.010 U	0.010 U
Carbon Disulfide	160	20,000	9	0.005 U	0.005U	0.005U	0.005 U	0.005 U
Chlorodibromomethane	0.4	41,000	1,300	0.005 U	0.005U	0.005U	0.005 U	0.005 U
Chloroethane	--	--	--	0.010 U	0.010U	0.010U	0.010 U	0.005 U
cis-1,2-Dichloroethene	1.1	20,000	1,200	0.005 U	0.005U	0.005U	0.005 U	0.90
trans-1,2-Dichloroethene	3.4	41,000	3,100	0.005 U	0.005U	0.005U	0.005 U	0.06
EthylBenzene	19	20,000	58	0.005 U	0.005U	0.005U	0.005 U	0.005 U
Styrene	18	41,000	430	0.005 U	0.005U	0.005U	0.005 U	0.005 U
Toluene	29	410,000	42	0.005 U	0.005U	0.005U	0.005 U	0.005 U
Trichloroethene	0.3	520	8.90	0.005 U	0.005U	0.005U	0.005 U	3.09
Vinyl Chloride	0.07	7.90	1.10	0.010 U	0.010U	0.010U	0.010 U	0.01
Xylenes (total)	150	410,000	320	0.005 U	0.005U	0.005U	0.005 U	0.005 U
TCL SVOCs (mg/kg)								
Acenaphthene	2,900	120,000	--	0.08	0.03	0.025U	0.025 U	0.025 U
Acenaphthylene	--	--	--	0.025 U	0.025U	0.025U	0.025 U	0.025 U
Anthracene	59,000	610,000	--	0.24	0.12	0.025U	0.025 U	0.025 U
Benzo[a]anthracene	8	8	--	0.87	0.24	0.025U	0.03	0.025 U
Benzo[b]fluoranthene	25	8	--	0.62	0.11	0.025U	0.03	0.025 U
Benzo[k]fluoranthene	250	78	--	0.44	0.13	0.025U	0.03	0.025 U
Benzo[g,h,i]perylene	--	--	--	0.31	0.07	0.025U	0.025 U	0.025 U
Benzo[a]pyrene	82	0.80	--	0.65	0.17	0.025U	0.03	0.025 U
Chrysene	800	780	--	0.90	0.24	0.025U	0.04	0.025 U
Dibenzo[a,h]anthracene	7.6	0.80	--	0.16	0.04	0.025U	0.025 U	0.025 U
Fluoranthene	21,000	82,000	--	1.89	0.43	0.025U	0.05	0.025 U
Fluorene	2,800	82,000	--	0.09	0.04	0.025U	0.025 U	0.025 U
Indeno[1,2,3-cd]pyrene	69	8	--	0.33	0.08	0.025U	0.025 U	0.025 U
2-Methylnaphthalene	--	--	--	NA	NA	NA	NA	NA
Naphthalene	18	4,100	1.8	0.025 U	0.025U	0.025U	0.025 U	0.025 U
Phenanthrene	--	--	--	0.69	0.29	0.025U	0.025 U	0.025 U
Pyrene	21,000	61,000	--	1.77	0.41	0.025U	0.05	0.025 U
Priority Pollutant Metals (mg/kg)								
Arsenic *	120	13	1,200	9.92	3.12	8.43	3.89	8.83
Barium	2,100	14,000	870,000	31.40	19.50	28.00	68.60	45.90
Beryllium	1,000,000	410	2,100	NA	NA	NA	NA	NA
Cadmium	4,300	200	2,800	0.500 U	0.500U	0.500U	0.500 U	0.500 U
Chromium**	28	4,000	420	11.80	7.42	12.70	21.20	21.20
Copper	330,000	8,200	--	NA	NA	NA	NA	NA
Lead***	36	400	--	21.40	19.50	15.90	86.5 #	15.10
Mercury	40	61	52,000	0.47	0.77	0.040U	0.44	0.04 U
Nickel	76,000	4,100	440,000	NA	NA	NA	NA	NA
Selenium	2.4	1,000	--	1.00 U	1.00U	1.00U	1.00 U	1.00 U
Silver**	110	1,000	--	0.500 U	0.500U	0.500U	0.500 U	0.500 U
Thallium	38	160	--	NA	NA	NA	NA	NA
Zinc	110,000	61,000	--	NA	NA	NA	NA	NA
Total Cyanide	120	4,100	--	0.25 U	0.25U	0.25U	0.25 U	0.25 U
SPLP Lead and Chromium (mg/L)								
SPLP Lead	0.10	--	--	NA	NA	NA	NA	NA
SPLP Chromium	1.00	--	--	NA	NA	NA	NA	NA

NOTES:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) NA - Not Analyzed.
(4) Shaded values exceeded Tier 1 level.
(5) -- Toxicity criteria not available for exposure route (Illinios EPA 2001).
(6) * Calculated 95% upper confidence limit for arsenic at the site (7.730 mg/kg) is below 13 mg/kg remediation objective.
(7) ** No pH dependent Class II value was available, therefore the Class I value was used to evaluate this pathway.
(8) *** Constituent not detected, however reported detection limit is greater than Tier 1 screening level.
(9) WT ~ NE - Water table not encountered.
(10) WT ~ n' - Water table approximately n feet below ground surface.
(11) NR - Not Relevant
(12) # - SPLP lead run on select samples all below Tier 1 objective. Had SPLP lead been run, result would likely be below 1.0 mg/L.

Table 1 (Continued)
Summary of Detected Constituents and Comparison with Tier 1 Remediation Objectives
Industrial/Commercial or Construction Worker Exposure Route (Lowest Tier 1 Screening Levels Presented)
Rogers Park Main Parcel

Compound/Analyte	Lowest Tier 1 Remediation Objectives for Industrial-Commercial or Construction Worker			Sample Location and Depth (feet below ground surface)/Concentration				
				B-6	B-8	B-9	B-10	B-11
				6-8'	2-4'	4-5'	6-8'	4-5'
	Soil to GW (Class II)	Ingestion	Inhalation	WT ~ 6'	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL VOCs (mg/kg)								
Acetone	16	200,000	100,000	0.025 UJ	0.025 UJ	0.025 U	0.10 J	0.03 U
Benzene	0.17	100	1.60	0.015 J	0.005 U	0.005 U	0.01 J	0.01 U
2-Butanone	--	--	--	0.010 UJ	0.010 U	0.010 U	0.01 UJ	0.01 U
Carbon Disulfide	160	20,000	9	0.005 UJ	0.005 U	0.005 U	0.01 J	0.01 U
Chlorodibromomethane	0.4	41,000	1,300	0.005 UJ	0.005 U	0.005 U	0.01 UJ	0.01 U
Chloroethane	--	--	--	0.010 UJ	0.010 U	0.010 U	0.06 J	0.01 U
cis-1,2-Dichloroethene	1.1	20,000	1,200	0.005 UJ	0.005 U	0.005 U	0.01 UJ	0.01 U
trans-1,2-Dichloroethene	3.4	41,000	3,100	0.005 UJ	0.005 U	0.005 U	0.01 UJ	0.01 U
EthylBenzene	19	20,000	58	0.005 UJ	0.005 U	0.005 U	0.01 UJ	0.01 U
Styrene	18	41,000	430	0.005 UJ	0.005 U	0.005 U	0.01 U	0.01 U
Toluene	29	410,000	42	0.005 UJ	0.005 UJ	0.005 U	0.01 J	0.01 U
Trichloroethene	0.3	520	8.90	0.005 UJ	0.005 UJ	0.005 U	0.01 UJ	0.01 U
Vinyl Chloride	0.07	7.90	1.10	0.010 UJ	0.010 U	0.010 U	0.01 UJ	0.01 U
Xylenes (total)	150	410,000	320	0.005 UJ	0.005 U	0.005 U	0.01 UJ	0.01 U
TCL SVOCs (mg/kg)								
Acenaphthene	2,900	120,000	--	0.330 UJ	0.330 UJ	0.330 UJ	0.33 UJ	0.33 UJ
Acenaphthylene	--	--	--	0.330 UJ	0.330 U	0.330 U	0.33 UJ	0.33 U
Anthracene	59,000	610,000	--	0.330 UJ	0.330 U	0.330 U	0.33 UJ	0.33 U
Benzo[a]anthracene	8	8	--	0.330 UJ	0.330 U	0.330 U	0.33 UJ	0.33 U
Benzo[b]fluoranthene	25	8	--	0.330 UJ	0.330 U	0.330 U	0.33 UJ	0.33 U
Benzo[k]fluoranthene	250	78	--	0.330 UJ	0.330 U	0.330 U	0.33 UJ	0.33 U
Benzo[g,h,i]perylene	--	--	--	0.330 UJ	0.330 U	0.330 U	0.33 UJ	0.33 U
Benzo[a]pyrene	82	0.80	--	0.330 UJ	0.330 U	0.330 U	0.33 UJ	0.33 U
Chrysene	800	780	--	0.330 UJ	0.330 U	0.330 U	0.33 UJ	0.33 U
Dibenzo[a,h]anthracene	7.6	0.80	--	0.330 UJ	0.330 U	0.330 U	0.33 UJ	0.33 U
Fluoranthene	21,000	82,000	--	0.330 UJ	0.330 U	0.330 U	0.33 UJ	0.33 U
Fluorene	2,800	82,000	--	0.330 UJ	0.330 U	0.330 U	0.33 UJ	0.33 U
Indeno[1,2,3-cd]pyrene	69	8	--	0.330 UJ	0.330 U	0.330 U	0.33 UJ	0.33 U
2-Methylnaphthalene	--	--	--	0.330 UJ	0.330 U	0.330 U	0.33 UJ	0.33 U
Naphthalene	18	4,100	1.8	0.330 UJ	0.330 U	0.330 U	0.33 UJ	0.33 U
Phenanthrene	--	--	--	0.330 UJ	0.330 U	0.330 U	0.33 UJ	0.33 U
Pyrene	21,000	61,000	--	0.330 UJ	0.330 U	0.330 U	0.33 UJ	0.33 U
Priority Pollutant Metals (mg/kg)								
Arsenic *	120	13	1,200	8.20	8.30	5.80	6.60	2.60
Barium	2,100	14,000	870,000	27.20	49.60	34.40	43.70	34.50
Beryllium	1,000,000	410	2,100	0.49	0.66	0.65	0.65	0.58
Cadmium	4,300	200	2,800	0.37	0.20 U	0.22 U	0.40	0.21 U
Chromium**	28	4,000	420	14.20	22.00	19.10	19.10	18.80
Copper	330,000	8,200	--	34.40	22.00	33.10	24.90	29.60
Lead***	36	400	--	13.30	12.30	15.50	11.30	13.20
Mercury	40	61	52,000	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Nickel	76,000	4,100	440,000	27.20	26.70	29.60	30.90	27.80
Selenium	2.4	1,000	--	0.47 U	0.51	0.54 U	0.50 U	0.53 U
Silver**	110	1,000	--	0.47 U	0.51 U	0.54 U	0.50 U	0.53 U
Thallium	38	160	--	0.94 U	1.00 U	1.10 U	1.00 U	1.10 U
Zinc	110,000	61,000	--	43.20	41.70	42.50	38.30	45.50
Total Cyanide	120	4,100	--	NA	NA	NA	NA	NA
SPLP Lead and Chromium (mg/L)								
SPLP Lead	0.10	--	--	0.008 U	0.008 U	0.008 U	0.01 U	0.01 U
SPLP Chromium	1.00	--	--	0.050 U	0.050 U	0.050 U	0.05 U	0.05 U

NOTES:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) NA - Not Analyzed.
(4) Shaded values exceeded Tier 1 level.
(5) -- Toxicity criteria not available for exposure route (Illinios EPA 2001)
(6) * Calculated 95% upper confidence limit for arsenic at the site (7.730 mg/kg) is below 13 mg/kg remediation objective.
(7) ** No pH dependent Class II value was available, therefore the Class I value was used to evaluate this pathway.
(8) *** Constituent not detected, however reported detection limit is greater than Tier 1 screening level.
(9) WT ~ NE - Water table not encountered.
(10) WT ~ n' - Water table approximately n feet below ground surface.
(11) NR - Not Relevant

Table 1 (Continued)
Summary of Detected Constituents and Comparison with Tier 1 Remediation Objectives
Industrial/Commercial or Construction Worker Exposure Route (Lowest Tier 1 Screening Levels Presented)
Rogers Park Main Parcel

Compound/Analyte	Lowest Tier 1 Remediation Objectives for Industrial-Commercial or Construction Worker			Sample Location and Depth (feet below ground surface)/Concentration				
				B-12 8-10'	B-17 7-8'	B-17 DUP 7-8'	B-19 2-4'	SS-07 0-2'
	Soil to GW (Class II)	Ingestion	Inhalation	WT ~ 8	WT ~ NE	WT ~ NE	WT ~ 6'	
TCL VOCs (mg/kg)								
Acetone	16	200,000	100,000	0.03 U	0.03 UJ	0.03 UJ	1.20 UJ	0.03 UJ
Benzene	0.17	100	1.60	0.16	3.51 J	3.08 J	3.56	0.01 U
2-Butanone	--	--	--	0.01 U	0.01 UJ	0.01 UJ	0.92	0.01 U
Carbon Disulfide	160	20,000	9	0.03	0.05 J	0.05 J	0.25 U	0.01 U
Chlorodibromomethane	0.4	41,000	1,300	0.01 U	0.01 UJ	0.01 UJ	0.20	0.01 U
Chloroethane	--	--	--	0.01 U	0.01 UJ	0.01 UJ	0.25	0.01 U
cis-1,2-Dichloroethene	1.1	20,000	1,200	0.01 U	0.01 UJ	0.01 UJ	0.20 U	0.01 U
trans-1,2-Dichloroethene	3.4	41,000	3,100	0.01 U	0.01 UJ	0.01 UJ	0.25 U	0.01 U
EthylBenzene	19	20,000	58	0.01	3.55 J	3.09 J	2.99	0.01 U
Styrene	18	41,000	430	0.01 U	0.01 UJ	0.01 UJ	0.70	0.01 U
Toluene	29	410,000	42	0.01 U	0.11 J	0.15 J	3.89	0.01 U
Trichloroethene	0.3	520	8.90	0.01 U	0.01 J	0.01 J	0.20 U	0.01 U
Vinyl Chloride	0.07	7.90	1.10	0.01 U	0.01 UJ	0.01 UJ	0.20 U	0.01 U
Xylenes (total)	150	410,000	320	0.06	6.20 J	5.24 J	7.13	0.01 U
TCL SVOCs (mg/kg)								
Acenaphthene	2,900	120,000	--	0.33 UJ	13.50 J	18.10 J	7.46 J	1.19 J
Acenaphthylene	--	--	--	0.33 U	0.33 UJ	0.33 U	8.32	0.33 U
Anthracene	59,000	610,000	--	0.33 U	16.60 J	16.10 J	7.43	7.99
Benzo[a]anthracene	8	8	--	0.33 U	8.20 J	11.00	8.91	19.30
Benzo[b]fluoranthene	25	8	--	0.33 U	1.31 J	2.06	9.30	6.21
Benzo[k]fluoranthene	250	78	--	0.33 U	1.22 J	1.18	7.22	4.71
Benzo[g,h,i]perylene	--	--	--	0.33 U	3.00 J	5.48	1.22	4.60
Benzo[a]pyrene	82	0.80	--	0.33 U	2.09 J	2.94	1.08	4.47
Chrysene	800	780	--	0.33 U	9.87 J	12.70	9.85	18.90
Dibenzo[a,h]anthracene	7.6	0.80	--	0.33 U	1.12 J	2.58	0.33 U	0.74
Fluoranthene	21,000	82,000	--	0.33 U	15.30 J	18.70	18.00	53.60
Fluorene	2,800	82,000	--	0.33 U	22.50 J	31.40	29.80	1.99
Indeno[1,2,3-cd]pyrene	69	8	--	0.33 U	1.84 J	3.83	0.90	3.74
2-Methylnaphthalene	--	--	--	0.33 U	23.90 J	32.70	17.70	0.33 U
Naphthalene	18	4,100	1.8	0.33 U	31.90 J	44.90	30.90	0.33 U
Phenanthrene	--	--	--	0.33 U	59.00 J	74.80	70.60	22.10
Pyrene	21,000	61,000	--	0.33 U	21.60 J	25.20	25.00	41.30
Priority Pollutant Metals (mg/kg)								
Arsenic *	120	13	1,200	3.00	5.70	6.00	6.30	4.50
Barium	2,100	14,000	870,000	44.90	67.50	56.00	54.50	48.30
Beryllium	1,000,000	410	2,100	0.46 U	0.66	0.62	0.66	0.55
Cadmium	4,300	200	2,800	0.23 U	0.53	0.89	0.85	0.54
Chromium**	28	4,000	420	13.80	16.10	16.70	17.30	16.10
Copper	330,000	8,200	--	17.10	26.60	29.60	25.00	21.40
Lead***	36	400	--	10.50	12.90	127.00	22.60	70.80
Mercury	40	61	52,000	0.07	0.06	0.06	0.09	0.17
Nickel	76,000	4,100	440,000	16.50	23.70	26.80	26.10	18.40
Selenium	2.4	1,000	--	0.58 U	0.60 U	0.57 U	0.57	0.72
Silver**	110	1,000	--	0.58 U	0.60 U	0.57 U	0.49 U	0.50 U
Thallium	38	160	--	1.20 U	1.20 U	1.10 U	0.97	1.00 U
Zinc	110,000	61,000	--	43.10	268.00	397	252	100
Total Cyanide	120	4,100	--	NA	NA	NA	NA	NA
SPLP Lead and Chromium (mg/L)								
SPLP Lead	0.10	--	--	0.01 U	0.01 U	0.01	0.01 U	0.02
SPLP Chromium	1.00	--	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

NOTES:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit
(2) J - Indicates an estimated value.
(3) NA - Not Analyzed.
(4) Shaded values exceeded Tier 1 level.
(5) -- Toxicity criteria not available for exposure route (Illinios EPA 2001).
(6) * Calculated 95% upper confidence limit for arsenic at the site (7.730 mg/kg) is below 13 mg/kg remediation objective.
(7) ** No pH dependent Class II value was available, therefore the Class I value was used to evaluate this pathway.
(8) *** Constituent not detected, however reported detection limit is greater than Tier 1 screening level.
(9) WT ~ NE - Water table not encountered.
(10) WT ~ n' - Water table approximately n feet below ground surface.
(11) NR - Not Relevant

Table 1 (Continued)
Summary of Detected Constituents and Comparison with Tier 1 Remediation Objectives
Industrial/Commercial or Construction Worker Exposure Route (Lowest Tier 1 Screening Levels Presented)
Rogers Park Main Parcel

Compound/Analyte	Lowest Tier 1 Remediation Objectives for Industrial-Commercial or Construction Worker			Sample Location and Depth (feet below ground surface)/Concentration				
				SS-08 0-2'	SS-09 0-2'	SS-11 0-2'		
	Soil to GW (Class II)	Ingestion	Inhalation					
TCL VOCs (mg/kg)								
Acetone	16	200,000	100,000	0.14 UJ	0.11 UJ	0.03 UJ		
Benzene	0.17	100	1.60	0.01 U	0.01 U	0.01		
2-Butanone	--	--	--	0.05	0.03	0.01 U		
Carbon Disulfide	160	20,000	9	0.01 U	0.01 U	0.01		
Chlorodibromomethane	0.4	41,000	1,300	0.01 U	0.01 U	0.01 U		
Chloroethane	--	--	--	0.01 U	0.01 U	0.01 U		
cis-1,2-Dichloroethene	1.1	20,000	1,200	0.01 U	0.01 U	0.01 U		
trans-1,2-Dichloroethene	3.4	41,000	3,100	0.01 U	0.01 U	0.01 U		
EthylBenzene	19	20,000	58	0.01 U	0.01 U	0.01 U		
Styrene	18	41,000	430	0.01 U	0.01 U	0.01 U		
Toluene	29	410,000	42	0.01 U	0.01 U	0.01 U		
Trichloroethene	0.3	520	8.90	0.01 U	0.01 U	0.01 J		
Vinyl Chloride	0.07	7.90	1.10	0.01 U	0.01 U	0.01 U		
Xylenes (*total*)	150	410,000	320	0.01 U	0.01 U	0.01 U		
TCL SVOCs (mg/kg)								
Acenaphthene	2,900	120,000	--	0.33 UJ	0.33 UJ	0.33 UJ		
Acenaphthylene	--	--	--	0.33 U	0.33 U	0.43		
Anthracene	59,000	610,000	--	0.33 U	0.33 U	0.33 U		
Benzo[a]anthracene	8	8	--	0.33 U	0.33 U	0.33 U		
Benzo[b]fluoranthene	25	8	--	0.33 U	0.33 U	0.33 U		
Benzo[k]fluoranthene	250	78	--	0.33 U	0.33 U	0.33 U		
Benzo[g,h,i]perylene	--	--	--	0.33 U	0.33 U	0.33 U		
Benzo[a]pyrene	82	0.80	--	0.33 U	0.33 U	0.33 U		
Chrysene	800	780	--	0.33 U	0.33 U	0.33 U		
Dibenzo[a,h]anthracene	7.6	0.80	--	0.33 U	0.33 U	0.33 U		
Fluoranthene	21,000	82,000	--	0.33 U	0.33 U	0.33 U		
Fluorene	2,800	82,000	--	0.33 U	0.33 U	0.33 U		
Indeno[1,2,3-cd]pyrene	69	8	--	0.33 U	0.33 U	0.33 U		
2-Methylnaphthalene	--	--	--	0.33 U	0.33 U	0.33 U		
Naphthalene	18	4,100	1.8	0.33 U	0.33 U	0.33 U		
Phenanthrene	--	--	--	0.33 U	0.33 U	0.33 U		
Pyrene	21,000	61,000	--	0.33 UJ	0.33 U	0.33 U		
Priority Pollutant Metals (mg/kg)								
Arsenic *	120	13	1,200	6.10	5.90	5.40		
Barium	2,100	14,000	870,000	90.60	107.00	66.10		
Beryllium	1,000,000	410	2,100	0.91	1.00	1.20		
Cadmium	4,300	200	2,800	0.57	0.26	0.41		
Chromium**	28	4,000	420	22.40	24.80	20.50		
Copper	330,000	8,200	--	31.60	21.50	29.30		
Lead***	36	400	--	63.50	14.70	48.50		
Mercury	40	61	52,000	0.11	0.12	0.05		
Nickel	76,000	4,100	440,000	24.20	36.80	29.80		
Selenium	2.4	1,000	--	0.66	0.50 U	0.81		
Silver**	110	1,000	--	0.51 U	0.50 U	0.52 U		
Thallium	38	160	--	1.00 U	0.99 U	1.00 U		
Zinc	110,000	61,000	--	77.30	44.40	85.80		
Total Cyanide	120	4,100	--	NA	NA	NA		
SPLP Lead and Chromium (mg/L)								
SPLP Lead	0.10	--	--	0.03	0.01	0.04		
SPLP Chromium	1.00	--	--	0.05 U	0.05 U	0.05 U		

NOTES:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) NA - Not Analyzed.
(4) Shaded values exceeded Tier 1 level.
(5) -- Toxicity criteria not available for exposure route (Illinios EPA 2001).
(6) * Calculated 95% upper confidence limit for arsenic at the site (7.730 mg/kg) is below 13 mg/kg remediation objective.
(7) ** No pH dependent Class II value was available, therefore the Class I value was used to evaluate this pathway.
(8) *** Constituent not detected, however reported detection limit is greater than Tier 1 screening level.
(9) WT - NE - Water table not encountered.
(10) WT - n' - Water table approximately n feet below ground surface.
(11) NR - Not Relevant

Table 2
Final Remediation Objectives - Soil
Rogers Park Main Parcel

Compound/Analyte	Remediation Objectives				Final Remediation Objective
	Industrial-Commercial		Construction Worker		
	Ingestion	Inhalation	Ingestion	Inhalation	
TCL VOCs (mg/kg)					
Benzene	100	1.6	2,300	2.2	**1.60**
TCL SVOCs (mg/kg)					
Benzo[a]anthracene	8	--	170	--	**8**
Benzo[b]fluoranthene	8	--	170	--	**8**
Benzo[a]pyrene	0.8	--	17	--	**0.8**
Dibenzo[a,h]anthracene	0.8	--	17	--	**0.8**
Napathalene	41,000	270	4,100	1.8	**1.8**

NOTES:

(1) Benzene remediation objective applies to the area adjacent to the Pond Parcel, where source material was observed and remediated.

Table 3
Pre-Excavation Air Sampling Analytical Results
Rogers Park Main Parcel

Date Sampled	Sample ID	Concentration (ppbv)				
		Benzene	Toluene	Ethyl Benzene	m,p-Xylene	o-Xylene
07/20/2001	RPM-E-SUM-07-20-01	1.2 U	2.7	1.2 U	1.3	1.2 U
	RPM-S-SUM-07-20-01	1.2 U	9.1	1.2 U	1.8	1.2 U
	RPM-W-SUM-07-20-01	1.2 U	5.2	1.2 U	2.3	1.2 U
07/23/2001	RPM-E-SUM-07-23-01	1.1 U	1.5	1.1 U	1.1	1.1 U
	RPM-S-SUM-07-23-01	1.5	3.8	1.2	4.1	1.9
	RPM-N-SUM-07-23-01	0.88 U	1.5	0.88 U	1.4	0.88 U
	RPM-W-SUM-07-23-01	2.6	4.5	1 U	2.3	1.3
07/24/2001	RPM-N-SUM-07-24-01	0.94 U	1.1	0.94 U	0.94 U	0.94 U
	RPM-S-SUM-07-24-01	0.94 U	1	0.94 U	1	0.94 U
	RPM-W-SUM-07-24-01	0.94 U	1.3	0.94 U	1	0.94 U
	RPM-E-SUM-07-24-01	0.98 U	1.7	0.98 U	1.5	0.98 U

NOTES:

(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.

(2) ppbv - parts per billion volume

Table 4
Excavation Air Sampling Analytical Results
Rogers Park Main Parcel

Date Sampled	Sample ID	Concentration (ppbv)									
		Benzene		Toluene		Ethylbenzene		m,p-Xylene		o-Xylene	
		Vapor Conc.*	Amount Detected	Vapor Conc.*	Amount Detected	Vapor Conc.*	Amount Detected	Vapor Conc.*	Amount Detected	Vapor Conc.*	Amount Detected
07/25/2001	RPM-W-SUM-07-25-01	39	0.92 U	2,211	0.92 U	4,883	0.92 U	--	0.92 U	--	0.92 U
07/26/2001	RPM-N-SUM-07-26-01	39	0.92 U	2,211	0.92 U	4,883	0.92 U	--	0.92 U	--	0.92 U
	RPM-W-SUM-07-26-01	39	0.92 U	2,211	0.92 U	4,883	0.92 U	--	0.92 U	--	0.92 U
07/27/2001	RPM-N-SUM-07-27-01	39	0.98 U	2,211	0.98 U	4,883	0.98 U	--	0.98 U	--	0.98 U
	RPM-S-SUM-07-27-01	39	0.98 U	2,211	0.98 U	4,883	0.98 U	--	0.98 U	--	0.98 U
	RPM-E-SUM-07-27-01	39	9.6	2,211	1.7	4,883	2.1	--	2.9	--	1.4
	RPM-W-SUM-07-27-01	39	1 U	2,211	1 U	4,883	1 U	--	1 U	--	1 U
07/30/2001	RPM-S-SUM-07-30-01	39	1.1	2,211	0.98 U	4,883	0.98 U	--	0.98 U	--	0.98 U
	RPM-E-SUM-07-30-01	39	1.3	2,211	1 U	4,883	1 U	--	1 U	--	1 U
07/31/2001	RPM-N-SUM-07-31-01	39	2.2	2,211	1.2	4,883	0.98 U	--	0.98 U	--	0.98 U
	RPM-E-SUM-07-31-01	39	3.6	2,211	1.2	4,883	1 U	--	1.3	--	1 U
	RPM-E-ERI-SUM	39	3.88 J	2,211	0.85 J	4,883	2.44 J	--	1.97 J	--	0.87 J
08/01/2001	RPM-N-SUM-08-01-01	39	0.96 U	2,211	0.96	4,883	0.96 U	--	0.96 U	--	0.96 U
	RPM-S-SUM-08-01-01	39	1.2	2,211	1	4,883	0.94 U	--	1	--	0.94 U
	RPM-E-SUM-08-01-01	39	2.7	2,211	1.1	4,883	0.96 U	--	0.99	--	0.96 U
	RPM-W-SUM-08-01-01	39	0.96 U	2,211	1.6	4,883	0.96 U	--	1	--	0.96 U
	RPM-N-ERI-SUM	39	3.82	2,211	2.14	4,883	0.72	--	1.4	--	0.58
08/02/2001	RPM-N-SUM-08-02-01	39	3.3	2,211	3.2	4,883	1 U	--	2.5	--	1
	RPM-S-SUM-08-02-01	39	7.9	2,211	18	4,883	3.8	--	21	--	5.9
	RPM-E-SUM-08-02-01	39	15	2,211	6.6	4,883	3.9	--	5.7	--	2.4
	RPM-W-SUM-08-02-01	39	10	2,211	8.2	4,883	2.6	--	11	--	3
08/03/2001	RPM-S-SUM-08-03-01	39	2.1	2,211	1.2	4,883	1 U	--	1.3	--	1 U
	RPM-W-SUM-08-03-01	39	1.6	2,211	1.9	4,883	1 U	--	1.2	--	1 U
08/06/2001	RPM-N-SUM-08-06-01	39	8.5	2,211	4.8	4,883	1.5	--	3.2	--	1.4
	RPM-S-SUM-08-06-01	39	1.2	2,211	2.5	4,883	0.98 U	--	1.6	--	0.98 U
	RPM-E-SUM-08-06-01	39	17	2,211	6.7	4,883	3	--	5.4	--	2.7
	RPM-W-SUM-08-06-01	39	1.3	2,211	2.1	4,883	1 U	--	1.2	--	1 U
08/07/2001	RPM-N-SUM-08-07-01	39	3.4	2,211	2.4	4,883	0.98 U	--	1.9	--	0.98 U
	RPM-S-SUM-08-07-01	39	1.8	2,211	1.8	4,883	0.98 U	--	1.6	--	0.98 U
	RPM-E-SUM-08-07-01	39	23	2,211	12	4,883	2.5	--	7	--	2.7
	RPM-W-SUM-08-07-01	39	3.9	2,211	3.6	4,883	1 U	--	1.8	--	1 U
08/08/2001	RPM-N-SUM-08-08-01	39	8.6	2,211	5.4	4,883	1.3	--	3.7	--	1.4 J
	RPM-E-SUM-08-08-01	39	37	2,211	16	4,883	5.7	--	13	--	5 J
08/09/2001	RPM-N-SUM-08-09-01	39	4.8	2,211	3.7	4,883	1 U	--	2.6	--	1.2
	RPM-S-SUM-08-09-01	39	1.1 U	2,211	1.3	4,883	1.1 U	--	1.3	--	1.1 U
	RPM-E-SUM-08-09-01	39	6.6	2,211	4.1	4,883	1.4	--	4.3	--	1.7
	RPM-W-SUM-08-09-01	39	1.1 U	2,211	1.3	4,883	1.1 U	--	2.5	--	1.5
08/10/2001	RPM-S-SUM-08-10-01	39	2	2,211	2	4,883	1.2	--	1.2 U	--	1.2 U
	RPM-W-SUM-08-10-01	39	1.2 U	2,211	1.2 U	4,883	1.2 U	--	1.2 U	--	1.2 U
08/13/2001	RPM-S-SUM-08-13-01	39	2.6	2,211	1.1	4,883	0.96 U	--	0.96 U	--	0.96 U
	RPM-W-SUM-08-13-01	39	0.96 U	2,211	0.96 U	4,883	0.96 U	--	1.5	--	0.96 U
08/14/2001	RPM-N-SUM-08-14-01	39	1.1 U	2,211	1.3	4,883	1.1 U	--	1.1 U	--	1.1 U
	RPM-S-SUM-08-14-01	39	1.1 U	2,211	1.2	4,883	1.1 U	--	1.3	--	1.1 U
	RPM-E-SUM-08-14-01	39	0.88 U	2,211	1.2	4,883	0.88 U	--	1.3	--	0.88 U
	RPM-W-SUM-08-14-01	39	1.1 U	2,211	1.2	4,883	1.1 U	--	1.7	--	1.1 U
08/15/2001	RPM-N-SUM-08-15-01	39	1	2,211	1.9	4,883	1 U	--	1 U	--	1 U
	RPM-E-SUM-08-15-01	39	1 U	2,211	2.4	4,883	1 U	--	1 U	--	1 U
	RPM-W-SUM-08-15-01	39	1 U	2,211	3.2	4,883	1 U	--	1.3	--	1 U

NOTES:

(1) U - Indicates compund/analyte was analyzed for but not detected, the associated value is the sample reporting limit.

(2) J - Indicates estimated value.

(3) ppbv - parts per billion by volume

(4) * - Estimated allowable vapor concentration at source

Table 4 (Continued)
Excavation Air Sampling Analytical Results
Rogers Park Main Parcel

		Concentration (ppbv)									
		Benzene		Toluene		Ethylbenzene		m,p-Xylene		o-Xylene	
Date Sampled	Sample ID	Vapor Conc.*	Amount Detected	Vapor Conc.*	Amount Detected	Vapor Conc.*	Amount Detected	Vapor Conc.*	Amount Detected	Vapor Conc.*	Amount Detected
08/16/2001	RPM-N-SUM-08-16-01	39	1 U	2,211	1.8	4,883	1 U	--	1	--	1 U
	RPM-S-SUM-08-16-01	39	1 U	2,211	1.4	4,883	1 U	--	1 U	--	1 U
	RPM-E-SUM-08-16-01	39	1 U	2,211	1.3	4,883	1 U	--	1 U	--	1 U
08/17/2001	RPM-N-SUM-08-17-01	39	1 U	2,211	1 U	4,883	1 U	--	1 U	--	1 U
	RPM-S-SUM-08-17-01	39	1 U	2,211	1.2	4,883	1 U	--	1 U	--	1 U
	RPM-E-SUM-08-17-01	39	1 U	2,211	1 U	4,883	1 U	--	1 U	--	1 U
	RPM-W-SUM-08-17-01	39	1 U	2,211	1 J	4,883	1 U	--	1 U	--	1 U
08/20/2001	RPM-S-SUM-08-20-01	39	1 U	2,211	1 U	4,883	1 U	--	1 U	--	1 U
	RPM-E-SUM-08-20-01	39	0.96 U	2,211	1.2	4,883	0.96 U	--	0.96 U	--	0.96 U
	RPM-W-SUM-08-20-01	39	1 U	2,211	1.2	4,883	1 U	--	1.4	--	1 U
08/21/2001	RPM-N-SUM-08-21-01	39	0.96 U	2,211	2.3	4,883	0.96 U	--	1.7	--	0.96 U
	RPM-E-SUM-08-21-01	39	0.96 U	2,211	2.3	4,883	0.96 U	--	1.1	--	0.96 U
08/22/2001	RPM-N-SUM-08-22-01	39	1 U	2,211	1.6	4,883	1 U	--	1 U	--	1 U
	RPM-S-SUM-08-22-01	39	1 U	2,211	5.3	4,883	1 U	--	1 U	--	1 U
	RPM-E-SUM-08-22-01	39	1 U	2,211	5	4,883	1 U	--	1 J	--	1 U
	RPM-W-SUM-08-22-01	39	1 U	2,211	4.9	4,883	1 U	--	1 U	--	1 U
08/23/2001	RPM-N-SUM-08-23-01	39	0.98 U	2,211	0.98 U	4,883	0.98 U	--	0.98 U	--	0.98 U
	RPM-S-SUM-08-23-01	39	0.98 U	2,211	2.3	4,883	0.98 U	--	0.98 U	--	0.98 U
	RPM-E-SUM-08-23-01	39	0.98 U	2,211	3.3	4,883	3.2	--	11	--	6
	RPM-W-SUM-08-23-01	39	0.98 U	2,211	1.9	4,883	0.98 U	--	0.98 U	--	0.98 U
08/24/2001	RPM-N-SUM-08-24-01	39	1.1 U	2,211	2.8	4,883	2.7	--	10	--	5.8
	RPM-S-SUM-08-24-01	39	1.1 U	2,211	6.1	4,883	1.1 U	--	1.1 U	--	1.1 U
	RPM-E-SUM-08-24-01	39	1.1 U	2,211	2.6	4,883	2.2	--	8.2	--	4.4
	RPM-W-SUM-08-24-01	39	1.1 U	2,211	1.1 U	4,883	1.1 U	--	1.1 U	--	1.1 U
08/27/2001	RPM-N-SUM-08-27-01	39	1 U	2,211	2	4,883	1 U	--	1 U	--	1 U
	RPM-S-SUM-08-27-01	39	1 U	2,211	2.3	4,883	1 U	--	3.6	--	2.6 J
	RPM-E-SUM-08-27-01	39	1 U	2,211	2.1	4,883	1 U	--	1 U	--	1 U
	RPM-W-SUM-08-27-01	39	1 U	2,211	2	4,883	1 U	--	1 U	--	1 U
08/28/2001	RPM-S-SUM-08-28-01	39	1 U	2,211	1 U	4,883	1 U	--	1 U	--	1 U
	RPM-W-SUM-08-28-01	39	1 U	2,211	1 U	4,883	1 U	--	1 U	--	1 U
08/29/2001	RPM-N-SUM-08-29-01	39	1 U	2,211	5.5	4,883	1.6	--	1.1	--	1 U
	RPM-W-SUM-08-29-01	39	1.3	2,211	2.1	4,883	1 U	--	1 U	--	1 U
08/30/2001	RPM-N-SUM-08-30-01	39	1 U	2,211	1.7	4,883	1 U	--	1 U	--	1 U
	RPM-S-SUM-08-30-01	39	1.2 U	2,211	1.9	4,883	1.2 U	--	1.8	--	1.2 U
	RPM-E-SUM-08-30-01	39	1.2 U	2,211	1.8	4,883	1.2 U	--	1.2 U	--	1.2 U
	RPM-W-SUM-08-30-01	39	1.2 U	2,211	1.6	4,883	1.2 U	--	1.2 U	--	1.2 U
08/31/2001	RPM-S-SUM-08-31-01	39	1.1 U	2,211	1.1 U	4,883	1.1 U	--	1.1 U	--	1.1 U
09/04/2001	RPM-S-SUM-09-04-01	39	0.96 U	2,211	0.96 U	4,883	0.96 U	--	0.96 U	--	0.96 U
09/05/2001	RPM-N-SUM-09-05-01	39	1 U	2,211	1 U	4,883	1 U	--	1 U	--	1 U
	RPM-S-SUM-09-05-01	39	1 U	2,211	1 U	4,883	1 U	--	1 U	--	1 U
	RPM-E-SUM-09-05-01	39	1 U	2,211	1	4,883	1 U	--	1 U	--	1 U
	RPM-W-SUM-09-05-01	39	0.98 U	2,211	0.98 U	4,883	0.98 U	--	0.98 U	--	0.98 U
09/06/2001	RPM-N-SUM-09-06-01	39	1.1 U	2,211	2.4	4,883	1.1 U	--	1.1 U	--	1.1 U
	RPM-W-SUM-09-06-01	39	1.1	2,211	2.8	4,883	1.1 U	--	1.2	--	1.1 U
09/07/2001	RPM-N-SUM-09-07-01	39	1.1 U	2,211	1.1 U	4,883	1.1 U	--	1.1 U	--	1.1 U
	RPM-W-SUM-09-07-01	39	1.1 U	2,211	1.3	4,883	1.1 U	--	1.1 U	--	1.1 U

NOTES:

(1) U - Indicates compund/analyte was analyzed for but not detected, the associated value is the sample reporting limit.

(2) J - Indicates estimated value.

(3) ppbv - parts per billion by volume

(4) * - Estimated allowable vapor concentration at source.

Table 4 (Continued)
Excavation Air Sampling Analytical Results
Rogers Park Main Parcel

		Concentration (ppbv)									
		Benzene		Toluene		Ethylbenzene		m,p-Xylene		o-Xylene	
Date Sampled	Sample ID	Vapor Conc.*	Amount Detected	Vapor Conc.*	Amount Detected	Vapor Conc.*	Amount Detected	Vapor Conc.*	Amount Detected	Vapor Conc.*	Amount Detected
09/10/2001	RPM-N-SUM-09-10-01	39	0.98 U	2,211	1.4	4,883	0.98 U	--	0.98 U	--	0.98 U
	RPM-S-SUM-09-10-01	39	0.98 U	2,211	1.1	4,883	0.98 U	--	0.98 U	--	0.98 U
	RPM-E-SUM-09-10-01	39	0.96 U	2,211	1	4,883	0.96 U	--	0.96 U	--	0.96 U
	RPM-W-SUM-09-10-01	39	0.98 U	2,211	1.2	4,883	0.98 U	--	0.98 U	--	0.98 U
09/11/2001	RPM-N-SUM-09-11-01	39	0.98 U	2,211	3	4,883	0.98 U	--	2.4	--	1.3
	RPM-W-SUM-09-11-01	39	1 U	2,211	2.6	4,883	1 U	--	1 U	--	1 U
09/12/2001	RPM-N-SUM-09-12-01	39	1 U	2,211	1.2	4,883	1 U	--	1 U	--	1 U
	RPM-W-SUM-09-12-01	39	1 U	2,211	1.5	4,883	1 U	--	1.1	--	1 U
09/13/2001	RPM-N-SUM-09-13-01	39	1 U	2,211	2	4,883	1 U	--	1 U	--	1 U
	RPM-S-SUM-09-13-01	39	0.88 U	2,211	4.9	4,883	0.88 U	--	0.88 U	--	0.88 U
	RPM-E-SUM-09-13-01	39	1 U	2,211	1 U	4,883	1 U	--	1 U	--	1 U
	RPM-W-SUM-09-13-01	39	1 U	2,211	1 U	4,883	1 U	--	1 U	--	1 U
09/14/2001	RPM-S-SUM-09-14-01	39	1.1 U	2,211	5.2	4,883	6.3	--	25	--	11
	RPM-W-SUM-09-14-01	39	0.96 U	2,211	4.8	4,883	6.7	--	26	--	13
09/19/2001	RPM-N-SUM-09-19-01	39	0.98 U	2,211	1.3	4,883	0.98 U	--	0.98 U	--	0.98 U
	RPM-S-SUM-09-19-01	39	0.98 U	2,211	1.2	4,883	0.98 U	--	0.98 U	--	0.98 U
	RPM-E-SUM-09-19-01	39	0.98 U	2,211	1.3	4,883	0.98 U	--	0.98 U	--	0.98 U
	RPM-W-SUM-09-19-01	39	0.98 U	2,211	1.3	4,883	0.98 U	--	0.98 U	--	0.98 U
09/20/2001	RPM-N-SUM-09-20-01	39	1 U	2,211	1 U	4,883	1 U	--	1 U	--	1 U
	RPM-S-SUM-09-20-01	39	1 U	2,211	1	4,883	1 U	--	1 U	--	1 U
	RPM-E-SUM-09-20-01	39	1 U	2,211	1 U	4,883	1 U	--	1 U	--	1 U
09/21/2001	RPM-N-SUM-09-21-01	39	1.1 U	2,211	1.1 U	4,883	1.1 U	--	1.1 U	--	1.1 U
	RPM-S-SUM-09-21-01	39	1.1 U	2,211	1.1 U	4,883	1.1 U	--	1.1 U	--	1.1 U
	RPM-E-SUM-09-21-01	39	1.1 U	2,211	1.1	4,883	1.1 U	--	1.1 U	--	1.1 U
	RPM-W-SUM-09-21-01	39	1.1 U	2,211	1.1 U	4,883	1.1 U	--	1.1 U	--	1.1 U
09/24/2001	RPM-S-SUM-09-24-01	39	0.86 U	2,211	0.86 U	4,883	0.86 U	--	0.86 U	--	0.86 U
	RPM-E-SUM-09-24-01	39	0.92 U	2,211	0.92 U	4,883	0.92 U	--	0.92 U	--	0.92 U
09/25/2001	RPM-S-SUM-09-25-01	39	0.94 U	2,211	0.94 U	4,883	0.94 U	--	0.94 U	--	0.94 U
	RPM-E-SUM-09-25-01	39	0.94 U	2,211	0.94 U	4,883	0.94 U	--	0.94 U	--	0.94 U
09/26/2001	RPM-N-SUM-09-26-01	39	0.96 U	2,211	0.96 U	4,883	0.96 U	--	0.96 U	--	0.96 U
	RPM-S-SUM-09-26-01	39	0.94 U	2,211	0.94 U	4,883	0.94 U	--	0.94 U	--	0.94 U
	RPM-E-SUM-09-26-01	39	0.96 U	2,211	0.96 U	4,883	0.96 U	--	0.96 U	--	0.96 U
	RPM-W-SUM-09-26-01	39	0.96 U	2,211	0.96 U	4,883	0.96 U	--	0.96 U	--	0.96 U

NOTES:

(1) U - Indicates compund/analyte was analyzed for but not detected, the associated value is the sample reporting limit.

(2) J - Indicates estimated value.

(3) ppbv - parts per billion by volume

(4) * - Estimated allowable vapor concentration at source

Table 5
Meteorological Data During Excavation
Rogers Park Main Parcel

Date	Time	Outside Temperature (°F)	Wind Speed (mph)	High Wind Speed (mph)	Wind Direction (1)	Barometer Pressure (in-Hg)
7/19/01	3:00p	--	3	12	NW	30.029
7/19/01	3:30p	--	4	12	NW	30.019
7/19/01	4:00p	--	4	10	NW	30.013
7/20/01	7:00a	--	0	0	---	30.048
7/20/01	12:00p	--	3	8	NNW	29.954
7/20/01	4:00p	--	4	11	NW	29.906
7/23/01	7:00a	--	3	8	ENE	29.832
7/23/01	12:00p	--	4	9	E	29.836
7/23/01	4:00p	--	2	9	NW	29.845
7/24/01	7:00a	--	0	2	NE	29.864
7/24/01	12:00p	--	3	9	NW	29.877
7/24/01	4:00p	--	3	10	NW	29.836
7/25/01	7:00a	--	4	9	W	29.849
7/25/01	12:00p	--	6	14	W	29.882
7/25/01	4:00p	--	8	20	W	29.889
7/26/01	7:00a	--	2	7	WNW	30.031
7/26/01	12:00p	--	5	13	WNW	30.115
7/26/01	4:00p	--	7	16	W	30.12
7/27/01	7:00a	--	3	9	N	30.198
7/27/01	12:00p	--	3	9	NNW	30.191
7/27/01	4:00p	--	4	11	NW	30.129
7/30/01	7:00a	--	1	3	W	29.975
7/30/01	12:00p	81.1	3	9	N	29.983
7/30/01	4:00p	--	4	9	N	29.96
7/31/01	7:00a	--	2	6	ENE	30.069
7/31/01	12:00p	--	3	12	E	30.068
7/31/01	4:00p	--	5	15	N	30.037
8/01/01	7:00a	--	4	11	ENE	30.112
8/01/01	12:00p	--	6	15	NNE	30.125
8/01/01	4:00p	--	5	11	NE	30.088
8/02/01	7:00a	--	2	10	NW	30.116
8/02/01	12:00p	--	1	7	ESE	30.101
8/02/01	4:00p	--	1	5	W	30.067
8/03/01	7:00a	--	2	5	NE	30.013
8/03/01	12:00p	--	3	10	SW	30.032
8/03/01	4:00p	--	5	9	SW	29.983
8/06/01	7:00a	--	0	4	N	30.113
8/06/01	12:00p	--	4	14	NE	30.113
8/06/01	4:00p	--	4	13	NE	30.041
8/07/01	7:00a	--	2	7	ENE	30.069
8/07/01	12:00p	--	6	13	SE	30.048
8/07/01	4:00p	--	2	7	W	29.99
8/08/01	7:00a	--	2	6	ENE	29.991
8/08/01	12:00p	--	5	11	NE	29.965
8/08/01	4:00p	--	6	14	NNE	29.891
8/09/01	7:00a	--	2	5	N	29.853
8/09/01	12:00p	93.9	5	14	NE	29.79
8/09/01	4:00p	--	7	19	NNE	29.712
8/10/01	7:00a	--	7	16	SSW	29.92
8/10/01	12:00p	--	7	17	S	29.994

Notes:

1) The wind direction given until September 4, 2001 is the direction the wind is blowing to and not from, however, after this time, the wind direction given is the direction the wind is blowing from.

2) °F - degrees Fahrenheit

3) mph - miles per hour

4) in-Hg - inches of Mercury

Table 5 (Continued)
Meteorological Data During Excavation
Rogers Park Main Parcel

Date	Time	Outside Temperature (°F)	Wind Speed (mph)	High Wind Speed (mph)	Wind Direction	Barometer Pressure (in-Hg)
8/10/01	4:00p	--	7	16	SSW	30.006
8/13/01	7:00a	70.9	6	13	SSW	30.071
8/13/01	12:00p	73	9	19	SW	30.138
8/13/01	4:00p	--	8	21	SSW	30.119
8/14/01	7:00a	--	3	6	SE	30.117
8/14/01	12:00p	--	5	14	SW	30.088
8/14/01	4:00p	--	3	8	SW	30.043
8/15/01	7:00a	--	0	2	NNE	29.954
8/15/01	12:00p	--	4	11	NNE	29.895
8/15/01	4:00p	--	4	8	SE	29.891
8/16/01	7:00a	--	6	13	N	29.634
8/16/01	12:00p	--	8	15	SE	29.694
8/16/01	4:00p	--	6	14	E	29.784
8/17/01	7:00a	--	2	8	ESE	29.956
8/17/01	12:00p	--	7	16	ESE	29.983
8/17/01	4:00p	--	5	10	NNE	29.951
8/20/01	7:00a	--	3	6	SE	29.985
8/20/01	12:00p	--	7	15	SSW	30.019
8/20/01	4:00p	--	4	11	SW	29.998
8/21/01	7:00a	--	0	2	NNW	30.043
8/21/01	12:00p	--	7	17	N	30.013
8/21/01	4:00p	--	9	20	N	29.912
8/22/01	7:00a	--	4	9	N	29.869
8/22/01	12:00p	--	10	21	N	29.864
8/22/01	4:00p	--	5	12	SSW	29.857
8/23/01	7:00a	--	1	3	ENE	29.931
8/23/01	12:00p	--	6	11	SW	29.994
8/23/01	4:00p	--	4	10	SW	30.013
8/24/01	7:00a	--	0	2	SSW	30.06
8/24/01	12:00p	--	2	6	W	30.034
8/24/01	4:00p	--	4	13	SW	29.989
8/27/01	7:00a	--	0	3	SE	29.943
8/27/01	12:00p	--	6	13	NNE	29.84
8/27/01	4:00p	--	6	16	NNE	29.776
8/28/01	7:00a	--	3	10	ESE	29.881
8/28/01	12:00p	--	5	11	SW	29.96
8/28/01	4:00p	--	4	11	SW	29.958
8/29/01	7:00a	--	0	0	---	30.012
8/29/01	12:00p	--	2	8	NW	29.989
8/29/01	4:00p	--	3	7	W	29.965
8/30/01	7:00a	--	4	9	N	29.803
8/30/01	12:00p	--	6	18	NNE	29.768
8/30/01	4:00p	--	5	13	ENE	29.729
8/31/01	7:00a	--	2	5	NE	29.776
8/31/01	12:00p	--	6	13	S	29.851
8/31/01	4:00p	--	0	0	---	29.96
9/04/01	7:00a	--	0	0	---	30.063
9/04/01	12:00p	--	6	15	N	30.147
9/04/01	4:00p	--	8	17	N	30.143
9/05/01	7:00a	--	2	5	ESE	30.218
9/05/01	12:00p	--	4	9	ESE	30.23
9/05/01	4:00p	--	4	10	NE	30.169

Notes:

1) The wind direction given until September 4, 2001, is the direction the wind is blowing to and not from, however, after this time, the wind direction given is the direction the wind is blowing from

2) °F - degrees Fahrenheit

3) mph - miles per hour

4) in-Hg - inches of Mercury

Table 5 (Continued)
Meteorological Data During Excavation
Rogers Park Main Parcel

Date	Time	Outside Temperature (°F)	Wind Speed (mph)	High Wind Speed (mph)	Wind Direction	Barometer Pressure (in-Hg)
9/06/01	7:00a	--	3	8	SE	30.127
9/06/01	10:00a	79.5	6	12	SE	30.095
9/07/01	8:00a	--	4	11	SSE	29.806
9/07/01	12:00p	--	8	17	SSE	29.771
9/07/01	4:00p	--	10	26	SE	29.7
9/10/01	7:00a	--	2	5	SW	30.141
9/10/01	12:00p	--	7	20	S	30.14
9/10/01	4:00p	--	6	15	WSW	30.146
9/11/01	7:00a	--	0	0	---	30.312
9/11/01	12:00p	--	4	10	E	30.29
9/11/01	4:00p	--	3	10	E	30.221
9/12/01	7:00a	--	2	6	SE	30.169
9/12/01	12:00p	--	5	11	S	30.121
9/12/01	4:00p	--	5	11	SW	30.059
9/13/01	7:00a	--	5	16	NNE	30.206
9/13/01	12:00p	--	8	21	N	30.264
9/13/01	4:00p	--	7	17	N	30.278
9/14/01	7:00a	--	4	13	ENE	30.412
9/14/01	12:00p	--	6	15	ENE	30.413
9/14/01	4:00p	--	5	13	NE	30.346
9/17/01	7:00a	--	1	3	SSE	30.066
9/17/01	12:00p	--	3	6	SW	30.07
9/17/01	4:00p	--	3	8	N	30.024
9/18/01	7:00a	--	0	3	NNE	30.015
9/18/01	12:00p	--	4	12	ENE	30.002
9/18/01	4:00p	--	4	10	N	29.951
9/19/01	7:00a	--	5	13	SSE	29.557
9/19/01	12:00p	--	4	9	SSW	29.566
9/19/01	4:00p	--	8	18	WNW	29.661
9/20/01	7:00a	--	2	4	SW	29.932
9/20/01	12:00p	--	7	20	WNW	29.952
9/20/01	4:00p	--	3	9	SW	29.908
9/21/01	7:00a	--	2	5	WSW	29.827
9/21/01	12:00p	--	6	14	NW	29.883
9/21/01	4:00p	--	4	9	N	29.928
9/24/01	7:00a	47.8	8	19	NNW	30.142
9/24/01	12:00p	--	11	28	NNW	30.196
9/24/01	4:00p	--	11	26	NNW	30.196
9/25/01	7:00a	--	7	14	NW	30.167
9/25/01	12:00p	--	9	21	NW	30.143
9/25/01	4:00p	--	5	12	N	30.078
9/26/01	7:00a	--	5	14	WNW	29.993
9/26/01	12:00p	--	6	16	WNW	29.964
9/26/01	4:00p	--	10	20	WNW	29.93

Notes:

1) The wind direction given until September 4, 2001, is the direction the wind is blowing to and not from, however, after this time, the wind direction given is the direction the wind is blowing from

2) °F - degrees Fahrenheit

3) mph - miles per hour

4) in-Hg - inches of Mercury

Table 6
Confirmation Soil Sampling Analytical Results
Rogers Park Main Parcel

Compound/Analyte	Remediation Objectives	Sample Location and Depth (feet below ground surface)/Concentration					
		RPM-CS01-001	RPM-CS02-001	RPM-CS02-002	RPM-CS03-01	RPM-CST-03L	RPM-CST-03U
		06/21/01	06/21/01	06/25/01	09/21/2001	08/15/01	08/15/01
BTEX/Styrene (mg/kg)							
Benzene	1.60	NA	NA	NA	NA	0.002 U	0.002 U
Toluene	NR	NA	NA	NA	NA	0.005 U	0.005 U
Ethyl Benzene	NR	NA	NA	NA	NA	0.005 U	0.005 U
Xylenes (total)	NR	NA	NA	NA	NA	0.005 U	0.005 U
Styrene	NR	NA	NA	NA	NA	0.005 U	0.005 U
Polynuclear Aromatic Hydrocarbons Method 8270 SIM (mg/kg)							
Acenaphthene	NR	0.025 U	0.025 U	0.030	NA	0.025 U	0.025 U
Acenaphthylene	NR	0.025 U	0.025 U	0.025 U	NA	0.025 U	0.025 U
Anthracene	NR	0.025 U	0.065	0.191	NA	0.025 U	0.025 U
Benzo[a]anthracene	8	0.027	0.228	0.642	NA	0.025 U	0.025 U
Benzo[b]fluoranthene	8	0.025 U	0.104	0.453	NA	0.025 U	0.025 U
Benzo[k]fluoranthene	NR	0.025 U	0.183	0.469	NA	0.025 U	0.025 U
Benzo[g,h,i]perylene	NR	0.025 U	0.108	0.180	NA	0.025 U	0.025 U
Benzo[a]pyrene	0.8	0.025 U	0.201	0.467	NA	0.025 U	0.025 U
Chrysene	NR	0.029	0.245	0.740	NA	0.025 U	0.025 U
Dibenzo[a,h]anthracene	0.8	0.025 U	0.046	0.092	NA	0.025 U	0.025 U
Fluoranthene	NR	0.050	0.336	1.550	NA	0.025 U	0.025 U
Fluorene	NR	0.025 U	0.025 U	0.051	NA	0.025 U	0.025 U
Indeno[1,2,3-cd]pyrene	NR	0.025 U	0.119	0.209	NA	0.025 U	0.025 U
Naphthalene	1.8	0.025 U	0.025 U	0.025 U	NA	0.025 U	0.025 U
Phenanthrene	NR	0.045	0.222	0.689	NA	0.025 U	0.025 U
Pyrene	NR	0.039	0.280	1.240	NA	0.025 U	0.025 U
Total Lead Method 6020 (mg/kg)							
Lead	NR	22.7	114	NA	38	16.1	14.2
SPLP Lead Method 1312/6020 (mg/L)							
Lead	NR	0.017	0.022	NA	0.011	0.013	0.005 U

NOTES:

(1) U- Indicates compound/analyte was analyzed for but not detected, the associated value is the sampling reporting limit.

(2) J - Indicates an estimated value

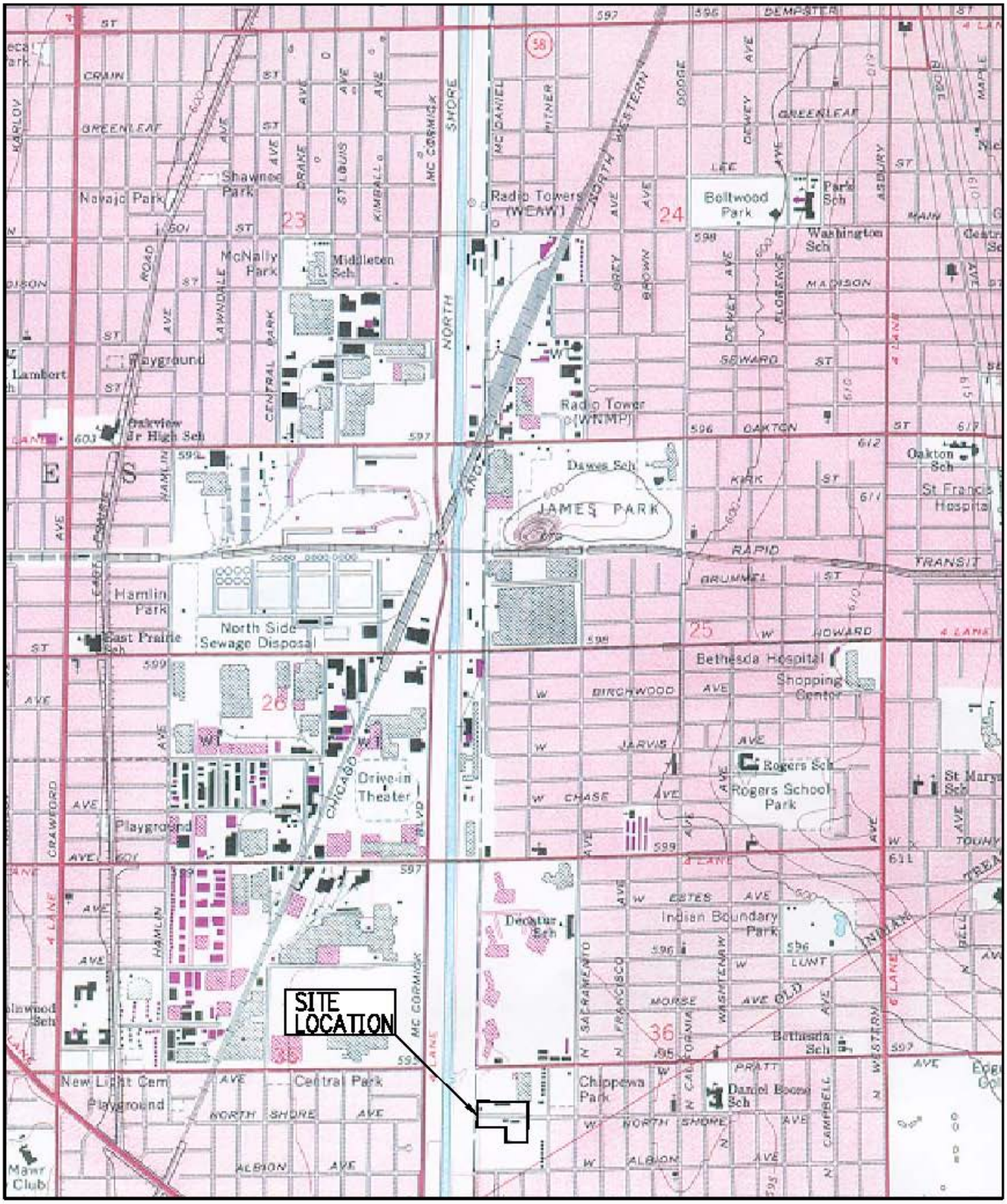
(3) NA- Not Analyzed

(4) NR - Remedial objective not required - all concentrations below TACO Tier 1 levels.

(5) Benzene remediation objective applicable to the area adjacent to the Pond parcel, where source material was observed and remediated.

(6) While remediation objectives were not required to be established for lead, total and SPLP lead were analyzed in confirmation soil samples, and are below TACO Tier 1 levels pertaining to soil ingestion and soil migration to Class II groundwater.

FIGURES



NORTH

24,000 0 24,000

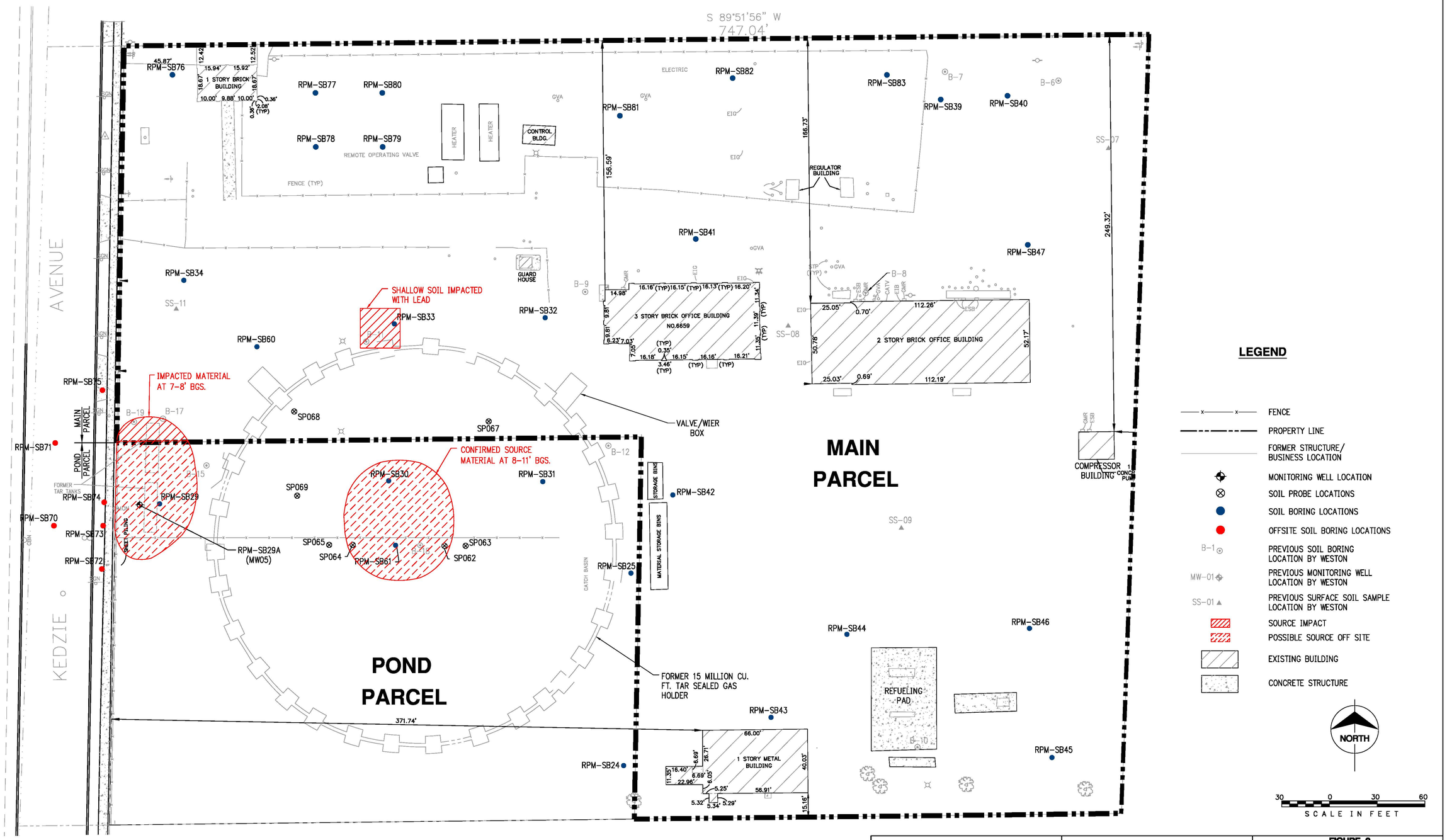
SCALE IN FEET

Burns & McDonnell

Figure 1

SITE LOCATION MAP
THE PEOPLES GAS LIGHT
AND COKE COMPANY
ROGERS PARK – MAIN PARCEL
CHICAGO, ILLINOIS

I:/PEOPLES GAS/ROGERS PARK/CAD/BID/MAIN-SVY/ROR/SITE LOCATION MAP



Burns & McDonnell
SINCE 1898

date 3-25-02	detailed GA
designed	checked

THE PEOPLES GAS LIGHT AND COKE COMPANY
CHICAGO, ILLINOIS

FIGURE 2
SAMPLE LOCATION/SUMMARY OF FINDINGS MAP
ROGERS PARK-MAIN PARCEL
ROR/RAP/RACR
CHICAGO, IL

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drawing	rev. —
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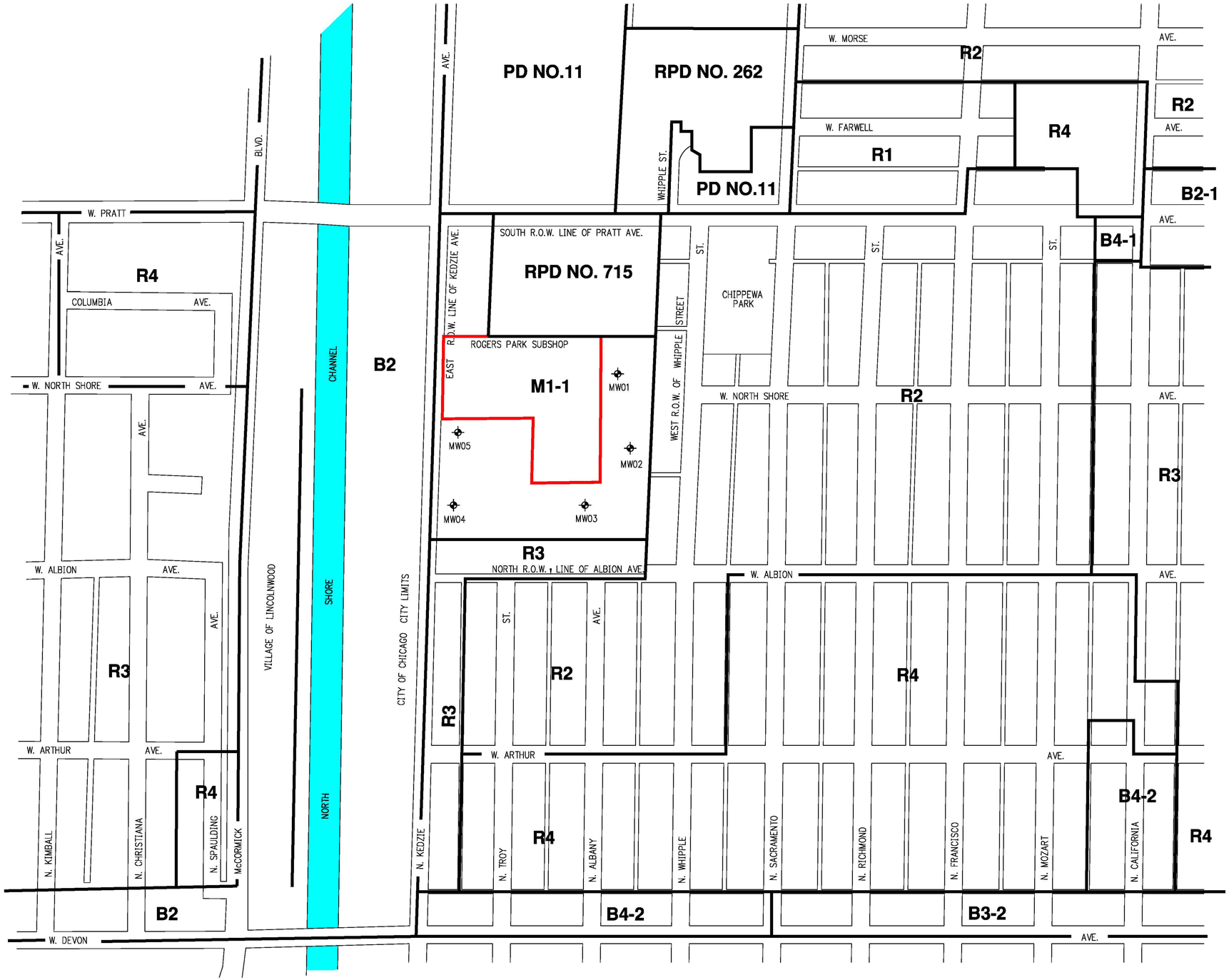
file: I:\PEOPLES GAS\ROGERS PARK\CAD\BID\MAIN SVY\ROR\SAMPLE LOCATIO



LEGEND

M1–1, R3	ZONING CODES
	ZONING BORDERS
	SITE LOCATION
MW03	MONITORING WELL LOCATION

ZONING DISTRICTS

M1-1	RESTRICTED MANUFACTURING
R1, R2	SINGLE–FAMILY RESIDENCE
R3, R4	GENERAL RESIDENCE
PD	PLANNED RESIDENTIAL
RPD	RESIDENTIAL PLANNED DISTRICT
B2-1	RESTRICTED RETAIL DISTRICTS
B3-2	GENERAL RETAIL DISTRICTS
B4-1, B4-2	RESTRICTED SERVICE DISTRICTS
B2	GENERAL BUSINESS DISTRICT (VILLAGE OF LINCOLNWOOD)

NORTH

200 0 200 400

SCALE IN FEET

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designed	checked

THE PEOPLES GAS LIGHT AND COKE COMPANY CHICAGO, ILLINOIS

FIGURE 3

SURROUNDING AREA MAP
ROGERS PARK–MAIN PARCEL
ROR/RAP/RACR
CHICAGO, IL

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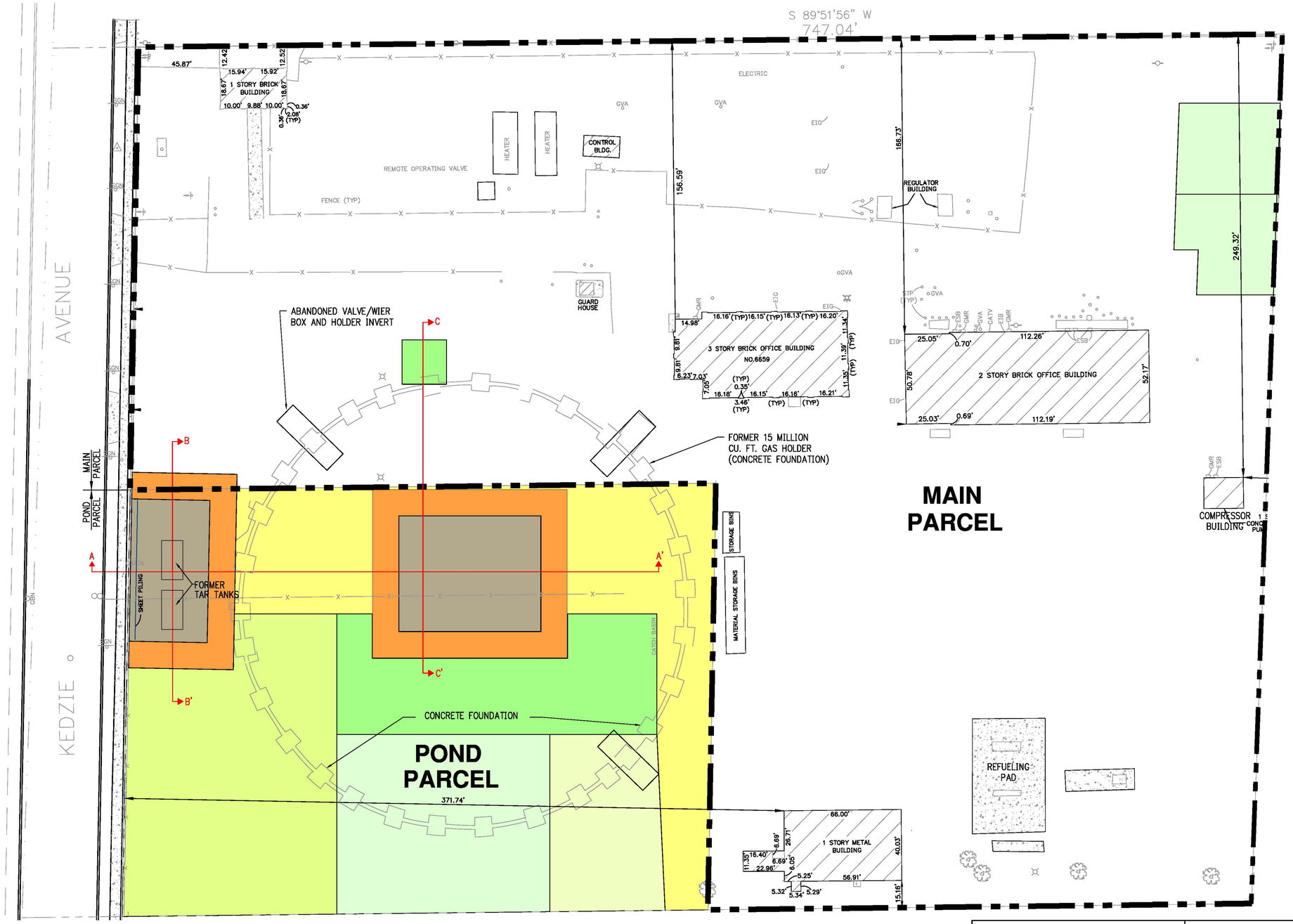
drawing	rev. —
sheet	of sheets

file: I:\PEOPLES GAS\ROGERS PARK\CAD\BID\MAIN SVY\ROR\SURROUNDING MAP



LEGEND

- NO IMPACT BASED ON SITE INVESTIGATION RESULTS
- IMPACT TO 6 IN. BGS
- IMPACT TO 1 FT BGS
- IMPACT TO 2 FT BGS
- IMPACT TO 3 FT BGS
- IMPACT TO GREATER THAN 10 FT BGS
- SIDE SLOPE
- FENCE
- PROPERTY LINE
- FORMER STRUCTURE
- SHEET PILE
- CROSS-SECTION LOCATION
- EXISTING BUILDING
- CONCRETE STRUCTURE

NOTES:

1. EXCAVATION PLAN DEVELOPED BASED ON THE RESULTS OF THE SITE INVESTIGATION. IMPACT MEANS SOIL THAT EXCEEDS TACO TIER 1.

2. SEE FIGURE 6 FOR CROSS-SECTIONS

NORTH

30 0 30 60
SCALE IN FEET

Burns & McDonnell SINCE 1898

date 3-25-02	detailed GA
designed	checked

THE PEOPLES GAS LIGHT AND COKE COMPANY CHICAGO, ILLINOIS

FIGURE 4

INITIAL EXCAVATION LAYOUT
ROGERS PARK-MAIN PARCEL
ROR/RAP/RACR
CHICAGO, IL

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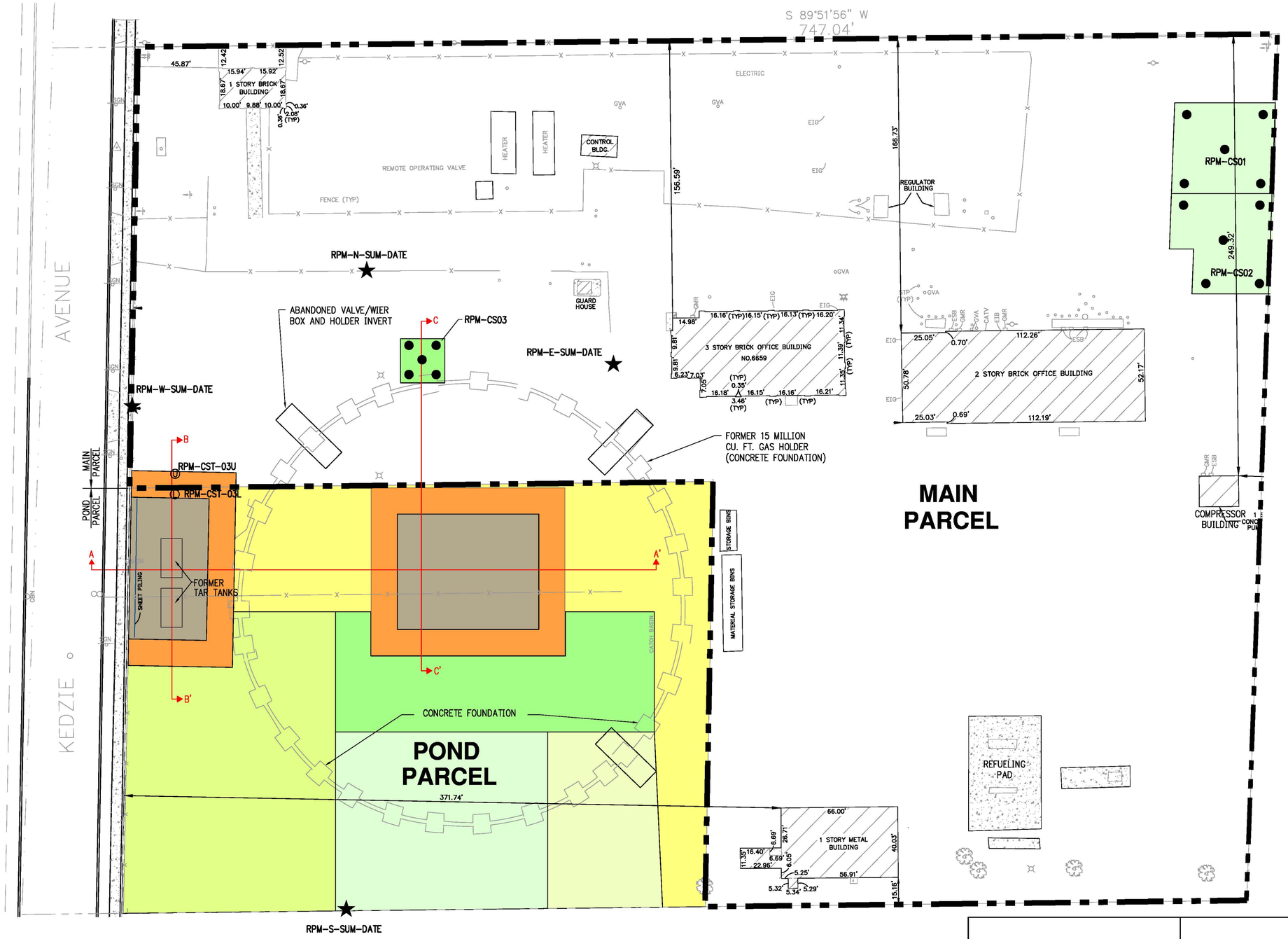
file: I:\PEOPLES GAS\ROGERS PARK\CAD\BID\MAIN SVY\ROR\INITIAL EXC. LAYOUT



LEGEND

- NO IMPACT BASED ON SITE INVESTIGATION RESULTS
- IMPACT TO 6 IN. BGS CONFIRMATION SAMPLING FOR PAH'S AND SPLP LEAD
- IMPACT TO 1 FT BGS CONFIRMATION SAMPLING FOR PAH'S AND SPLP LEAD
- IMPACT TO 2 FT BGS CONFIRMATION SAMPLING FOR PAH'S AND SPLP LEAD
- IMPACT TO 3 FT BGS CONFIRMATION SAMPLING FOR TOTAL AND SPLP LEAD
- IMPACT TO GREATER THAN 10 FT BGS
- SIDE SLOPE
- FENCE
- PROPERTY LINE
- FORMER STRUCTURE/ BUSINESS LOCATION
- SHEET PILE
- CROSS-SECTION LOCATION
- SUMMA CANISTER LOCATIONS
- COMPOSITE SAMPLES
- EXISTING BUILDING
- CONCRETE STRUCTURE
- UPPER SAMPLE (3FT BGS)
- LOWER SAMPLE (8FT BGS)

NOTE: SEE FIGURE 6 FOR CROSS SECTIONS

NORTH

30 0 30 60
SCALE IN FEET

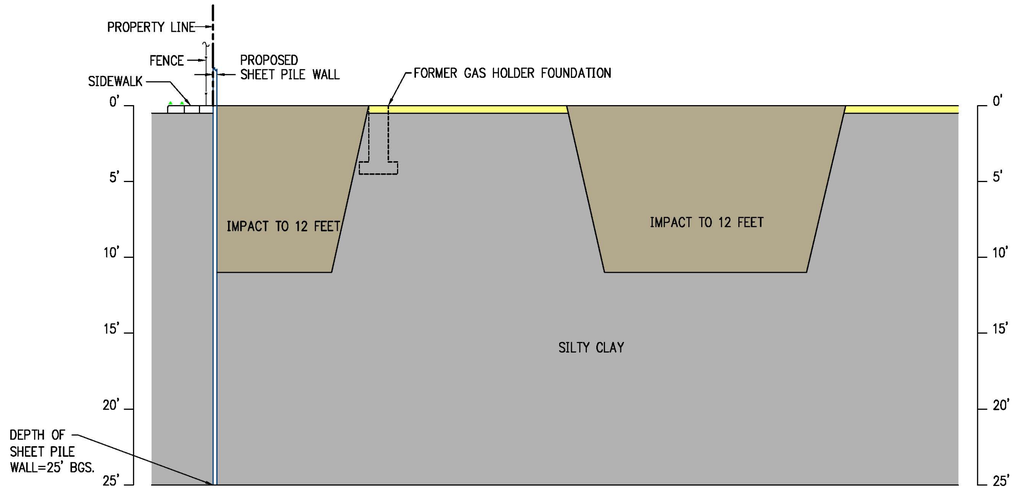
Burns & McDonnell SINCE 1898

date 3-26-02	detailed GA
designed	checked

THE PEOPLES GAS LIGHT AND COKE COMPANY CHICAGO, ILLINOIS

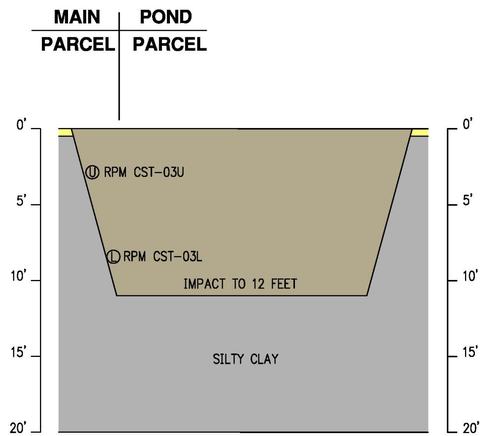
FIGURE 5
CONFIRMATION SAMPLING AND AIR MONITORING LOCATION MAP
ROGERS PARK-MAIN PARCEL
ROR/RAP/RACR
CHICAGO, IL

project 27194 | contract
drawing — rev.
sheet 0 of 0 sheets
file: I:\PEOPLES GAS\ROGERS PARK\CAD\BID\MAIN SVY\ROR\CONFIRMATION SAMPLES



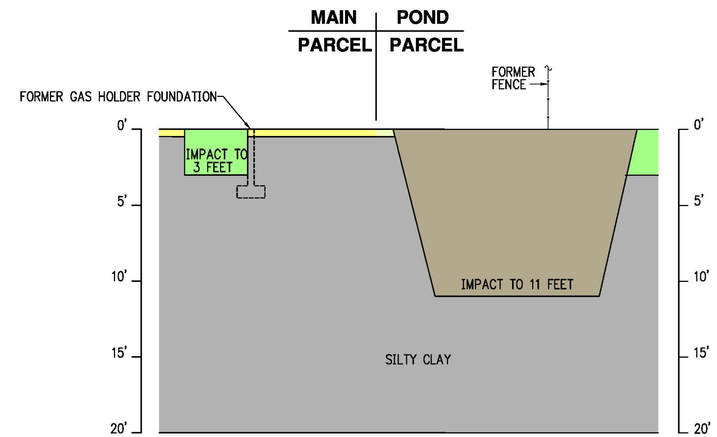
CROSS SECTION A-A' (POND PARCEL)

0 5' VERTICAL SCALE 0 30' HORIZONTAL SCALE



CROSS SECTION B-B'

0 5' VERTICAL SCALE 0 30' HORIZONTAL SCALE



CROSS SECTION C-C'

0 5' VERTICAL SCALE 0 30' HORIZONTAL SCALE

LEGEND

- NO IMPACT
- IMPACT TO 6 IN. BGS CONFIRMATION SAMPLING FOR PAH'S AND SPLP LEAD
- IMPACT TO 1 FT BGS CONFIRMATION SAMPLING FOR PAH'S AND SPLP LEAD
- IMPACT TO 2 FT BGS CONFIRMATION SAMPLING FOR PAH'S AND SPLP LEAD
- IMPACT TO 3 FT BGS CONFIRMATION SAMPLING FOR TOTAL AND SPLP LEAD
- IMPACT TO GREATER THAN 10 FT BGS
- U UPPER SAMPLE (3 FT. BGS)
- L LOWER SAMPLE (8 FT. BGS)

NOTE: SEE FIGURES 4 AND 5 FOR PLANS.

NORTH

30 0 30 60
SCALE IN FEET

Burns & McDonnell SINCE 1898

date 3-26-02	detailed GA
designed	checked

THE PEOPLES GAS LIGHT AND COKE COMPANY CHICAGO, ILLINOIS

FIGURE 6

INITIAL EXCAVATION LAYOUT CROSS-SECTIONS
ROGERS PARK-MAIN PARCEL
ROR/RAP/RACR
CHICAGO, IL

project 27194 | contract

drawing — rev.

sheet 0 of 0 sheets

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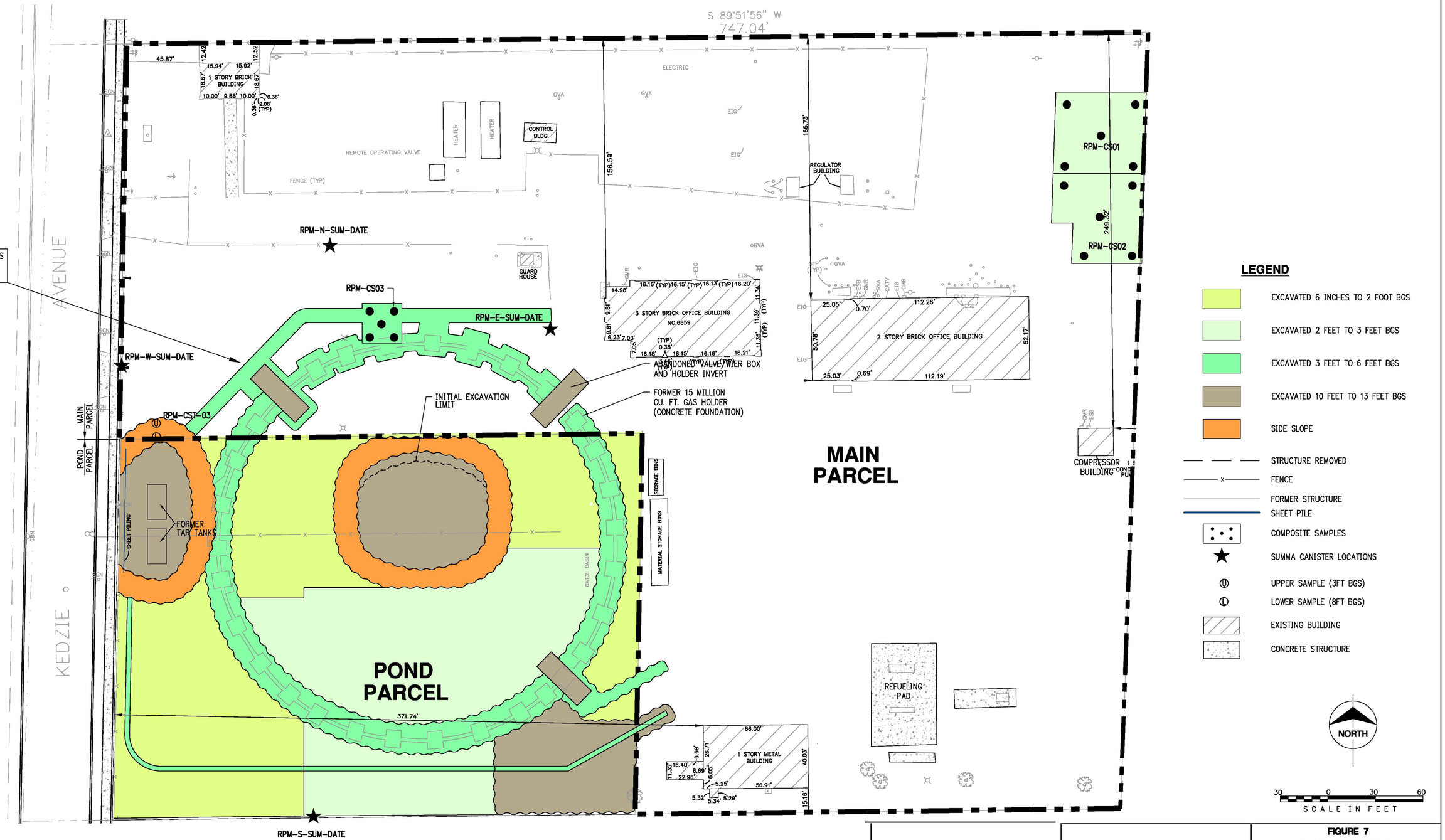


LEGEND

- EXCAVATED 6 INCHES TO 2 FOOT BGS
- EXCAVATED 2 FEET TO 3 FEET BGS
- EXCAVATED 3 FEET TO 6 FEET BGS
- EXCAVATED 10 FEET TO 13 FEET BGS
- SIDE SLOPE
- STRUCTURE REMOVED
- FENCE
- FORMER STRUCTURE
- SHEET PILE
- COMPOSITE SAMPLES
- SUMMA CANISTER LOCATIONS
- UPPER SAMPLE (3FT BGS)
- LOWER SAMPLE (8FT BGS)
- EXISTING BUILDING
- CONCRETE STRUCTURE

Burns & McDonnell SINCE 1898

date 3-25-02	detailed GA
designed	checked

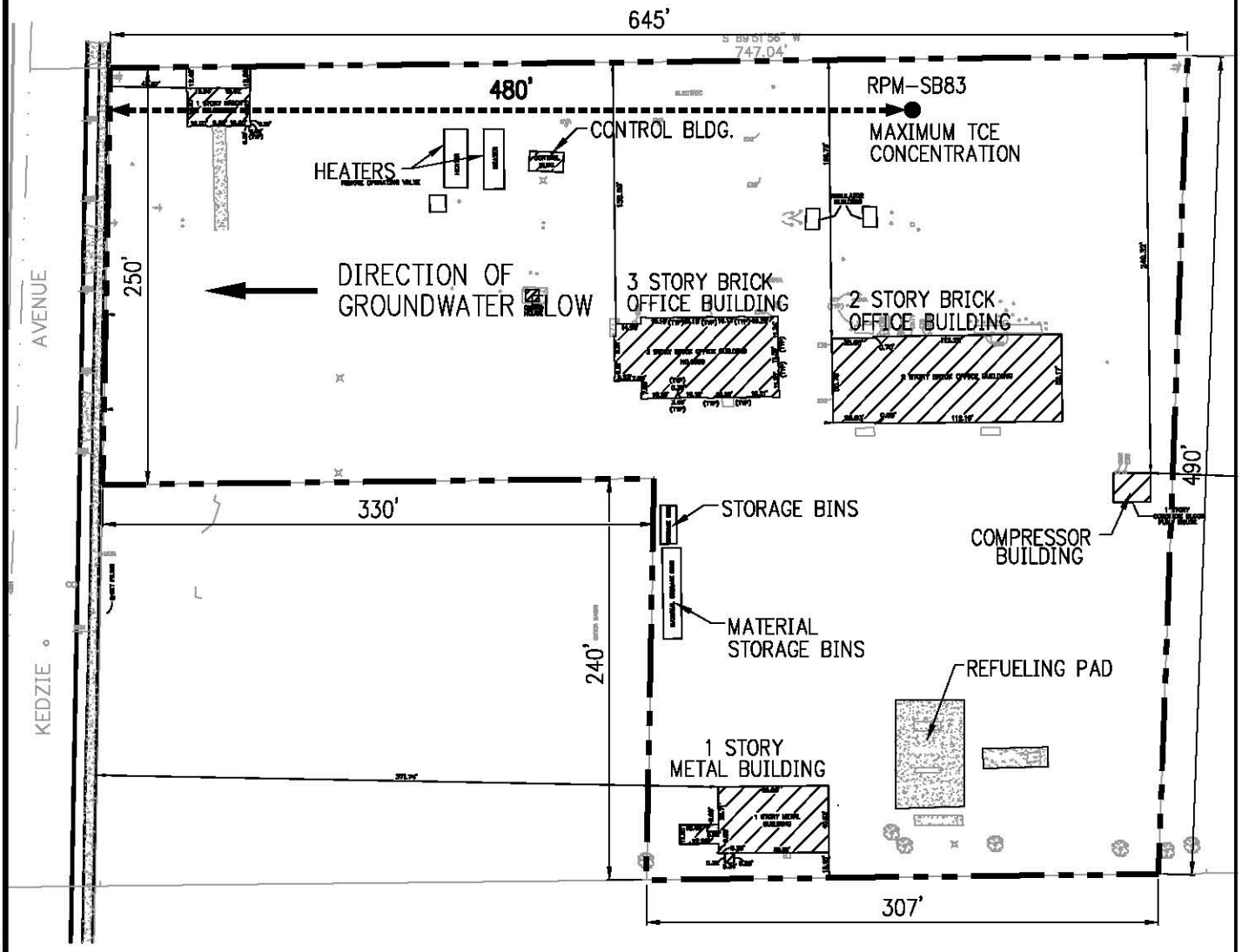
THE PEOPLES GAS LIGHT AND COKE COMPANY CHICAGO, ILLINOIS

FIGURE 7

AS-BUILT EXCAVATION MAP
ROGERS PARK-MAIN PARCEL
ROR/RAP/RACR
CHICAGO, IL

project 27194	contract
drawing	rev. —
sheet 0 of 0 sheets	

file: I:\PEOPLES GAS\ROGERS PARK\CAD\BID\MAIN SVY\ROR\AS-BLT EXCAV MAP



LEGEND

REMEDIATION SITE BOUNDARY

DISTANCE TO PROPERTY BOUNDARY

TCE TRICHLOROETHYLENE

NORTH

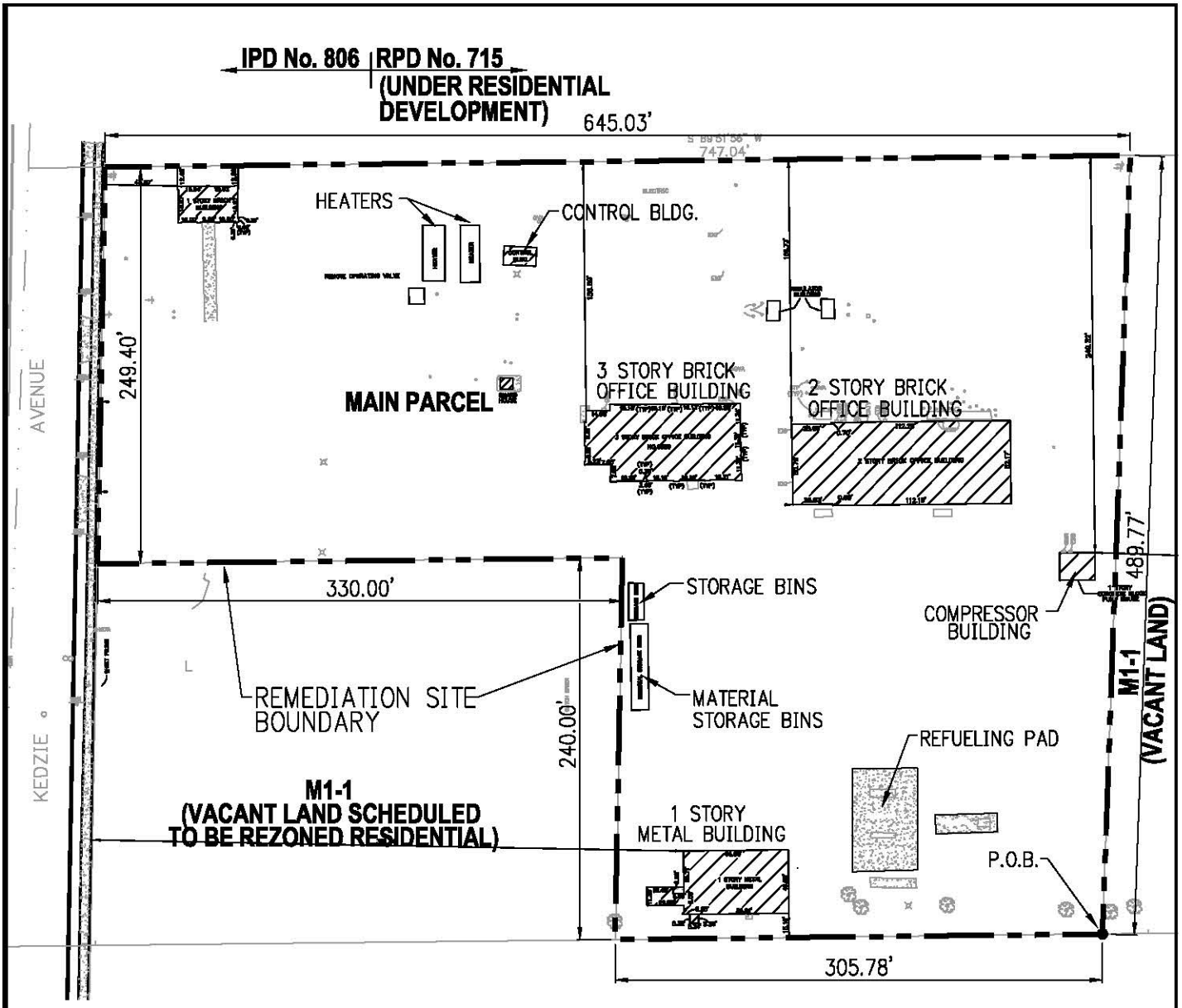
100 0 100 200

SCALE IN FEET

Burns & McDonnell SINCE 1898

GROUNDWATER FLOW/R-26 EVALUATION
ROGERS PARK SUB-SHOP – MAIN PARCEL
THE PEOPLES GAS LIGHT AND COKE COMPANY
CHICAGO, ILLINOIS

I:\PEOPLES GAS\ROGERS PARK\CAD\BID\MAIN SVY\ROR\GW FLOW



LEGEND

— - - —	REMEDIATION SITE BOUNDARY
M1-1	RESTRICTED MANUFACTURING DISTRICT
RPD	RESIDENTIAL PLANNED DISTRICT
IPD	INSTITUTIONAL PLANNED DEVELOPMENT
P.O.B.	POINT OF BEGINNING

NORTH

100 0 100 200

SCALE IN FEET

NOTE:
ZONING LOCATIONS ARE APPROXIMATE BASED ON CHICAGO ZONING ORDINANCE (WEB VERSION, JULY 2002)

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SINCE 1898

REMEDIATION BOUNDARY PLAN
ROGERS PARK SUB-SHOP – MAIN PARCEL
THE PEOPLES GAS LIGHT AND COKE COMPANY
CHICAGO, ILLINOIS

I:\PEOPLES GAS\ROGERS PARK\CAD\BID\MAIN SVY\ROR\8X11 REM BOUND

APPENDIX A
STATISTICAL AND SOIL SCREENING LEVEL CALCULATIONS

Summary Table
Statistical Analysis Results
Rogers Park Main Parcel

Chemical	Size of Sample	Normality			Basic Statistical Analysis Result						
		Normal Distribution	Lognormal Distribution	Non-parametric	Mean (mg/kg)	Lognormal mean (mg/kg)	Standard Deviation (mg/kg)	Median (mg/kg)	Minimum (mg/kg)	Maximum (mg/kg)	95% UCL (mg/kg)
Arsenic (0-3 ft bgs)	21		X		6.123	6.100	3.550	5.34	2.05	16.7	7.566
Arsenic (0-10 ft bgs)	58		X		6.420	6.463	3.223	5.95	2.05	16.7	7.336

NOTES:
ft bgs - feet below ground surface
UCL - upper confidence limit
* 95% UCL calculated using soil samples collected from 0-3 ft bgs and then using soil samples collected from 0-10 ft bgs.
** A duplicate sample was collected at B-17. The higher arsenic concentration of 6 mg/kg was used in the 95% UCL calculation of soil samples collected from 0-10 ft bgs.
*** Shaded value is the higher value (more conservative value) that was used as the 95% UCL for arsenic at the site.
**** 95% UCL calculated using MTCA*Stat* 97 Program. Data analysis output from the program is included in Appendix A.

Relevant Equations for the Upper Confidence Limit (UCL) calculation:

Lognormal Distribution:

$$UCL = \exp\left(\bar{y} + 0.5\ S_y\text{^}2 + \frac{S_y + H_{1-\alpha}}{\sqrt{n-1}}\right)$$

y = mean of the log (e) - transformed data
exp = e raised to the indicated power
Sy = standard deviation of the log (e) – transformed data
n = number of samples
α = significance level (0.05)
H = H value (statistical value)

	A	B	C	D	E	F	G	H
1	DATA	ID					Paste values	
2	14.6							
3	10.7		**Number of samples**		**Uncensored values**		Sort data	
4	5.72		Uncensored	58	Mean	6.420		
5	7.83		Censored		Lognormal mean	6.463		
6	2.44		Detection limit or PQL		Std. devn.	3.223		**Finished**
7	3.55		Method detection limit		Median	5.95	Lognormal	
8	2.05		TOTAL	58	Min.	2.05		Exit MTCA*Stat*
9	8.1		**ENTER DATA**		Max	16.7	Normal	
10	5.02							
11	4.2						Neither	
12	9.92		**Probability plot method**		W test	D'Agostino's test		
13	6.74							
14	8.62		Lognormal distribution?		Normal distribution?		Clear messages	
15	16.7		r-squared is:		r-squared is:			
16	2.68		*Recommendations:*				Clear all	
17	2.54		**Assume lognormal distribution.**					
18	3.74		Y value is 0.9749. This lies within the tabled values of 1.0996 and -2.7106				Histogram	
19	5.34							
20	11.5						5 10 20	
21	7.56							
22	4.8						Create report	
23	2.65							
24	10.2		**UCL (Land's method) is 7.33573326002584**				Sample size	
25	7.17							
26	4.13							
27	9.31							
28	3.87							
29	2.49							
30	3.35							
31	7.95							
32	5.23							
33	6.69							
34	3.46							
35	5.45							
36	9.81							
37	2.47							
38	12.8							
39	6.19							
40	6.28							
41	4.34							
42	9.92							
43	3.12							
44	8.43							
45	3.89							
46	8.83							
47	8.2							
48	8.3							
49	5.8							
50	6.6							
51	2.6							
52	3							
53	6							
54	6.3							
55	11.3							
56	4.5							
57	6.1							
58	5.9							
59	5.4							
60								

	A	B	C	D	E	F	G	H
1	DATA	ID					Paste values	
2	14.6	main 0-3						
3	7.83		**Number of samples**		**Uncensored values**		Sort data	
4	3.55		Uncensored	21	Mean	6.123		
5	2.05		Censored		Lognormal mean	6.100		
6	5.02		Detection limit or PQL		Std. devn.	3.550		**Finished**
7	4.2		Method detection limit		Median	5.34	Lognormal	
8	16.7		TOTAL	21	Min.	2.05		Exit MTCA*Stat*
9	2.68		**ENTER DATA**		Max.	16.7	Normal	
10	3.74						Neither	
11	5.34							
12	4.8		**Probability plot method**		W test	D'Agostino's test		
13	7.17							
14	3.87		Lognormal distribution?		Normal distribution?		Clear messages	
15	6.19		r-squared is:		r-squared is:			
16	4.34		*Recommendations:*				Clear all	
17	8.3		**Assume lognormal distribution.**					
18	6.3		W value is 0.9552. This exceeds the tabled value of 0.908				Histogram	
19	4.5							
20	6.1						5 10 20	
21	5.9							
22	5.4						Create report	
23								
24			**UCL (Land's method) is 7.56634978733053**				Sample size	
25								
26								
27								
28								
29								
30								

Evaluation of Trichloroethene
Source Soil Migration to Groundwater
Peoples Gas - Rogers Park Main Parcel
Chicago, Illinois

Parameters

Dilution Factor (DF)	20		Default Value
Groundwater Objective (GW_{obj})	0.025	mg/kg	Chemical Specific - Tier 1 Class II Objective
Infiltration Rate (I)	0.3	m/yr	Default Value
Organic Carbon Partition Coefficient (K_{oc})	166	cm^3/kg	Chemical Specific
Organic Carbon Content of Soil (f_{oc})	0.0132	g/g	Site Specific
Total Soil Porosity (η)	0.36	L_{pore}/L_{soil}	Default Value - Clay
Saturated Hydraulic Conductivity (K_s)	8	m/yr	Default Value - Silty Clay
Expotential in Equation S20 (1/(2b+3))	0.042		Default Value - Silty Clay
Water-Filled Soil Porosity (θw)	0.313	L_{water}/L_{soil}	Calculated Value - Equation S20
Air-Filled Soil Porosity (θa)	0.047	L_{air}/L_{soil}	Calculated Value - Equation S21
Henry's Law Constant (H')	0.422		Chemical Specific
Dry Soil Bulk Density (ρb)	1.7	g/cm^3	Default Value - Clay

Soil Screening Level (SSL) Equations

Target Soil Leachate Concentration (S18)

$$C_w = DF \times GW_{obj}$$
$$C_w = 0.5 \text{ mg/kg}$$

Soil-Water Partition Coefficient (S19)

$$K_d = K_{oc} \times f_{oc}$$
$$K_d = 2.19 \text{ L/kg}$$

Water-Filled Soil Porosity (S20)

$$\theta w = \eta \bullet \left(\frac{I}{K_s} \right)^{1/(2b+3)}$$

(θw) = 0.313 L_{water}/L_{soil}

Air-Filled Soil Porosity (S21)

$$\theta a = \eta - \theta w$$

(θa) = 0.047 L_{air}/L_{soil}

Remediation Objective (S17)

$$C_w \bullet \left[K_d + \frac{(\theta_w + \theta_a \bullet H')}{\rho b} \right]$$

SSL Remedial Objective = 1.19 mg/kg

APPENDIX B
MUNICIPAL CODE OF CHICAGO ORDINANCE

The following is said ordinance as passed:

Be It Ordained by the City Council of the City of Chicago:

SECTION 1. The Municipal Code of the City of Chicago is hereby amended by adding a new Section 11-8-390, as follows:

11-8-390 Potable Water Wells.

For purposes of this section, "potable water" is any water used for human consumption, including but not limited to water used for drinking, bathing, washing dishes, preparing foods and watering gardens in which produce

intended for human consumption is grown. No groundwater well, cistern or other groundwater collection device installed after May 14, 1997, may be used to supply any potable water supply system, except at points of withdrawal by the City of Chicago or by a unit of local government pursuant to intergovernmental agreement with the City of Chicago.

SECTION 2. This ordinance shall be in full force and effect from and after its passage and approval.

STATE OF ILLINOIS,-
County of Cook. ss.

I, JAMES J. LASKI, City Clerk of the City of Chicago in the County of Cook and State of Illinois, DO HEREBY CERTIFY that the annexed and foregoing is a true and correct copy of that certain ordinance now on file in my office for an amendment of Title 11, Chapter 8 of Municipal Code of Chicago by addition of new Section 390 defining potable water and prohibiting use of certain groundwater collection device' to supply any potable water supply system.

I DO FURTHER CERTIFY that the said ordinance was adopted by the City Council of the said City of Chicago on the twenty-eighth (28th) day of November, A.D. 2001 and deposited in my office on the twenty-eighth (28th) day of November, A.D. 2001.

I DO FURTHER CERTIFY that the vote on the question of the adoption of the said ordinance by the said City Council was taken by yeas and nays and recorded in the Journal of the Proceedings of the said City Council, and that the result of said vote so taken was as follows, to wit:

Yeas 47, Nays 0.

I DO FURTHER CERTIFY that the said ordinance was delivered to the Mayor of the said City of Chicago after the adoption thereof by the said City Council, without delay, by the City Clerk of the said City of Chicago, and that the said Mayor failed to return the said ordinance to the said City Council with his written objections thereto at the next regular meeting of the said City Council occurring not less than five (5) days after the adoption of the said ordinance.

I DO FURTHER CERTIFY that the original, of which the foregoing is a true copy, is entrusted to my care for safe keeping, and that I am the lawful keeper of the same.

[L.S.]

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of the City of Chicago aforesaid, at the said City, in the County and State aforesaid, this sixth (6th) day of December, A.D. 2001.

James J. Laski

JAMES J. LASKI, City Clerk.

MEMORANDUM OF UNDERSTANDING BETWEEN THE CITY OF CHICAGO, ILLINOIS AND THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY REGARDING (A) THE USE OF A LOCAL POTABLE WATER SUPPLY WELL ORDINANCE AS AN ENVIRONMENTAL INSTITUTIONAL CONTROL AND (B) THE PROVISION OF INFORMATION RELATING TO "NO FURTHER REMEDIATION" DETERMINATIONS BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY TO THE CITY OF CHICAGO

I. PURPOSE AND INTENT

A. This Memorandum of Understanding ("MOU") is entered into between the City of Chicago, Illinois ("the City") and the Illinois Environmental Protection Agency ("Illinois EPA") for the purpose of (a) satisfying the requirements of 35 Ill. Adm. Code 742.1015 for the use of potable water supply well ordinances as environmental institutional controls and (b) ensuring that the City will be provided with copies of all "No Further Remediation" letters or determinations issued by the Illinois EPA pursuant to specific programs for sites located within the boundaries of Chicago, Illinois, in order to enable the City to maintain a complete and up-to-date registry of sites as required by 35 Ill. Adm. Code 742.1015(i)(5). The Illinois EPA has reviewed Sections 11-8-385 and 11-8-390 of the Municipal Code of Chicago as amended by Ordinance Number 097990 ("Potable Water Supply Well Ordinance"), attached as Attachment A, and has determined that the Municipal Code of Chicago prohibits the installation and use of new potable water supply wells by private entities but will allow the installation of potable water supply wells by the City and other units of local government pursuant to intergovernmental agreements with the City. In such cases, 35 Ill. Adm. Code 742.1015(a) provides that the City may enter into an MOU with the Illinois EPA to allow the use of the ordinance as an institutional control.

B. The intent of this Memorandum of Understanding is to (a) specify the responsibilities that must be assumed by the City to satisfy the requirements for MOUs as set forth at 35 Ill. Adm. Code 742.1015(i), and (b) require the Illinois EPA to provide the City with copies of all "No Further Remediation" letters or determinations that the Illinois EPA issues for sites located within the City of Chicago to enable the City to maintain a registry of sites pursuant to 35 Ill. Adm. Code 742.1015(i)(5).

II. DECLARATIONS AND ASSUMPTION OF RESPONSIBILITY

A. In order to ensure the long-term integrity of the Potable Water Supply Well Ordinance as an environmental institutional control and that risk to human health and the environment from contamination left in place in reliance on the Potable Water Supply Well Ordinance is effectively managed, the City hereby assumes the following responsibilities pursuant to 35 Ill. Adm. Code 742.1015(i):

1. The City will notify the Illinois EPA Bureau of Land of any changes to or requests for variance from the Potable Water Supply Well Ordinance at least 30 days prior to the date the local government is scheduled to take action on the proposed change or request (35 Ill. Adm. Code 742.1015(i)(4));

2. The City will maintain a registry of all sites within its corporate limits that have received "No Further Remediation" determinations from the Illinois EPA pursuant to specific programs (35 Ill. Adm. Code 742.1015(i)(5));

3. If the City determines to install a new potable water supply well(s), the City will review the registry of sites established under paragraph II.A.2. prior to siting such potable water supply well(s) within the area covered by the Potable Water Supply Well Ordinance, pursuant to 35 Ill. Adm. Code 742.1015(i)(6)(A);

4. If the City determines to install a new potable water supply well(s), the City will determine whether the potential source of potable water has been or may be affected by contamination left in place at the sites tracked and reviewed under paragraphs II.A.2. and 3. (35 Ill. Adm. Code 742.1015(i)(6)(B)); and

5. If the City determines to install a new potable water supply well(s), the City will take action as necessary to ensure that the potential source of potable water is protected from contamination or treated before it is used as a potable water supply (35 Ill. Adm. Code 742.1015(i)(6)(C));

6. If the City enters into intergovernmental agreements under Section 11-8-390 of the Municipal Code of Chicago to allow other units of local government to install new potable water supply well(s) within the corporate limits of the City, the City will require compliance with the procedures set forth in paragraphs II.A.3., 4., and 5. as a part of such agreements.

7. Notification under paragraph II.A.1. above, or other communications concerning this MOU directed to the Illinois EPA, shall be addressed to:

   Manager, Division of Remediation Management
   Bureau of Land
   Illinois Environmental Protection Agency
   P.O. Box 19276
   Springfield, IL 62794-9276

B. In order to ensure the long-term integrity of the Potable Water Supply Well Ordinance as an environmental institutional control and that risk to human health and the environment from contamination left in place in reliance on the Potable Water Supply Well Ordinance or other specific programs can be effectively managed, the Illinois EPA hereby assumes

the following responsibilities:

1. The Illinois EPA will provide the City with copies of all "No Further Remediation" letters or determinations that it issues pursuant to 35 Ill. Adm. Code 742, and other specific programs, for sites located within the boundaries of the City at the time said letters or determinations are provided to remediation applicants.

2. Copies of "No Further Remediation" letters or determinations provided to the City pursuant to paragraph II.B.1. above, or other communications concerning this MOU directed to the City, shall be addressed to:

   Commissioner
   Chicago Department of Environment
   25th Floor
   30 North LaSalle Street
   Chicago, IL 60602-2575

III. SUPPORTING DOCUMENTATION

The following documentation is required by 35 Ill. Adm. Code 742.1015(i) and is attached to this MOU:

A. Attachment A: A copy of the Potable Water Supply Well Ordinance certified by the city clerk or other official as the current, controlling law (35 Ill. Adm. Code 742.1015(i)(3)) and a statement of the authority of the City to enter into the MOU (35 Ill. Adm. Code 742.1015(i)(1)).;

B. Attachment B: Identification of the legal boundaries within which the Potable Water Supply Well Ordinance is applicable (35 Ill. Adm. Code 742.1015(i)(2)); and

IN WITNESS WHEREOF, the lawful representatives of the parties have caused this MOU to be signed as follows:

FOR: The City of Chicago, Illinois

BY: _____ DATE: July 1, 1997
Commissioner
Department of Environment
City of Chicago

FOR: Illinois Environmental Protection Agency

BY: Gary P. King DATE: July 3, 1997
(Name and title of signatory)
Mgr, Division of Remediation Management
Bureau of Land

Version 6/27/97

TITLE 11 UTILITIES AND ENVIRONMENTAL PROTECTION
Chapter 11-8 WATER SUPPLY AND DISTRIBUTION SYSTEMS*

***Editor's note**--Coun. J. 3-28-01, p. 55444, § 1, repealed Ch. 11-8, in its entirety, which pertained to water supply and distribution systems. Subsequently, Amend Coun. J. 11-28-01, p. 72895, § 1 added provisions designated as § *11-8-390*. Former Ch. 11-8 (title) has been restored at the discretion of the editor to accommodate inclusion of provisions designated as *11-8-390*. See the Code Comparative Table.

11-8-390 **Potable water wells.**

For purposes of this section, "potable water" is any water used for human consumption, including but not limited to water used for drinking, bathing, washing dishes, preparing foods and watering gardens in which produce intended for human consumption is grown. No groundwater well, cistern or other groundwater collection device installed after May 14, 1997, may be used to supply any potable water supply system, except at points of withdrawal by the City of Chicago or by a unit of local government pursuant to intergovernmental agreement with the City of Chicago.

(Added Coun. J. 11-28-01, p. 72895, § 1)

Chapter 11-12 WATER SUPPLY AND SERVICE

ARTICLE I. SERVICE REGULATIONS

11-12-010 Definition of "premises."

The word "premises," wherever used in this chapter, shall be held to include a lot or a part of a lot, a building or a part of a building, or any parcel or tract of land whatever.

(Prior code § 185-1)

11-12-020 Definition of "family."

The word "family," as used in this chapter, shall include any number of persons not to exceed 12, including children, employees and servants.

(Prior code § 185-2)

11-12-030 Costs for installing or, disconnecting service.

The cost of installing, severing, disconnecting, cutting off or shutting off water service pipes, private supply pipes, shutoff rod boxes, including roundway stopcocks, shall be borne by the person for whose premises such water pipe is to be or has been installed, severed, disconnected, cut off or shut off.

(Prior code § 185-3)

11-12-040 Maintenance and repairs.

Every person having service from the Chicago Waterworks System shall, at his own cost and expense, keep in repair all pipes, including private supply pipes or fire hydrants, leading from the shutoff rod box to his building or premises, and prevent all waste of water from such pipes. If any such pipe be permitted to remain out of repair, the commissioner of water may, after a two-day prior notice in writing, cut off the water from said premises; and whenever the water is so cut off it shall not be permitted to be again turned on until such pipe or pipes have been placed in proper repair. The notice herein provided for may be served by personal service, or by mailing it to the owner or occupant, or person in possession, charge or control of the premises.

(Prior code § 185-4; Amend Coun. J. 3-28-01, p. 55444, § 4)

11-12-050 Permit to use water.

No person to whom permission is granted to make a connection with a service or supply pipe shall allow any person to take service from the new service or supply pipe unless a permit for such use has been granted by the department of water, and in the absence of such permission the new service or supply pipe shall be turned off at the curb stopcock, and such stopcock shall not again be turned on until proper permit shall be in the possession of the person about to perform such turning on.

(Prior code § 185-5)

11-12-060 Private persons supplying water.

No person, whether owner or occupant, or in possession, charge or control of any building, structure or premises into which water service is introduced or to which water is supplied through the Chicago Waterworks System, shall be allowed to supply other persons or families, or to supply any water from such building or premises to a building, structure or premises other than the one for which such water service is introduced, unless a permit from the commissioner of water shall first have been secured.

If any person, either as owner or occupant, or in possession, charge or control of any such building, structure or premises, violates any of the provisions of this section, the supply of water to the building, structure or premises of such person shall be shut off and stopped forthwith, and any amount which shall have been paid for water service shall be forfeited to the city. Where the water service shall be cut off for a violation of the provisions of this section, it shall not be turned on again until there shall have been paid to the city such sum of money as the commissioner of water shall deem properly due for the amount of water furnished or used in violation of the provisions of this section, and until the expense for cutting off the water service on account of such violation shall have been paid.

(Prior code § 185-6)

11-12-070 Using hydrants or other openings.

No person shall take water from any fire plug, hydrant, valve, faucet, pipe or any other opening connected with the Chicago Waterworks System, nor shall any person open any such fire plug, hydrant, valve or faucet for the purpose of taking water, or for any purpose, unless such person shall first have made application for use of water for such purpose and have received permission from the commissioner of water, or unless such person is an employee of the City of Chicago, and is acting in the discharge of his duties as such.

No person to whom a permit is issued for the use of water for any purpose whatsoever, including construction purposes, tamping, irrigating, testing, flushing, domestic supply, etc., shall use or consent to the use of any water not authorized by said permit, or consent to the use of such water by any other person. Any person to whom such permit is issued shall at all times use precaution to prevent any waste of water or damage, and upon completion of the work for which such use of water is authorized, or upon the expiration of the time specified in such permit, he shall be required to close off all stopcocks and valves; provided, however, that if a permit has been issued for service from water service pipes controlled by such valves they may be allowed to remain open.

Any person who shall violate any of the provisions of this section shall, for the first offense, be fined not less than $100.00 nor more than $300.00 or imprisoned for not more than ten days or both; and for such subsequent offense shall be fined $500.00 or imprisoned for not to exceed 30 days or both.

APPENDIX C
PHOTO LOG

Peoples Gas Rogers Park Main Parcel
9-17-01

View loking west from the center of the Main Parcel. Asphalt has been removed in preparation for excavation.

Peoples Gas Rogers Park Main Parcel
9-6-01

View looking at the eastern portion of the Main Parcel. This area was remediated and used as a temporary parking lot.

Peoples Gas Rogers Park Main Parcel
9-21-01

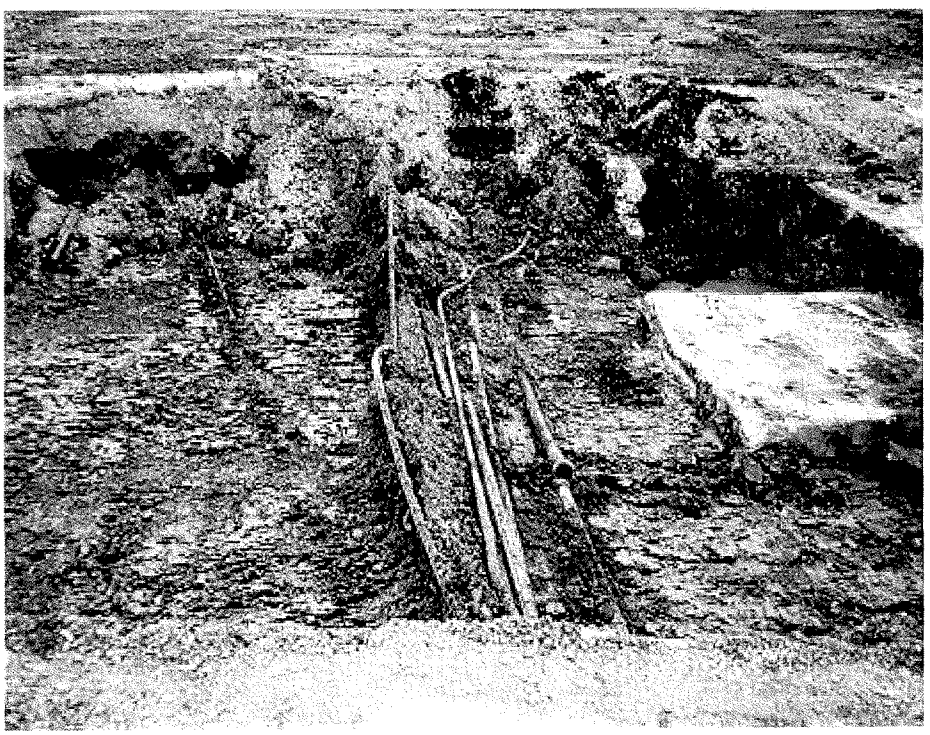
View from the center of the Main Parcel facing west. 25 by 25 foot excavation to remove lead impacted soil surrounded by backfill.

Peoples Gas Rogers Park Main Parcel
9-21-01

View of the northwest corner of the Main Parcel. Cleaning up the debris from a building demolition. The building was demolished to provide space for a future parking lot.

Peoples Gas Rogers Park Main Parcel
9-22-01

View of the 25 by 25 foot excavation to remove lead impacted soil. The former gas holder concrete foundation visible at the south side. Some abandoned pipes found running through the excavation were fully excavated and removed.



Peoples gas Rogers Park Main Parcel
9-22-01

View from the west of the pipes found running through the excavation.

Peoples Gas Rogers Park Main Parcel
9-27-01

View of the excavation from the east. Continuing the pipe excavation to the west along the former gas holder concrete foundation.

Peoples Gas Rogers Park Main Parcel
8-15-01

View from the south. The contents of the northwest valve/weir box being extracted by SET Environmental into tanker truck.

Peoples Gas Rogers Park Main Parcel
9-28-01

View from the south of the former gas holder concrete foundation excavation.

Peoples Gas Rogers Park Main Parcel
9-28-01

View from the southwest of the former gas holder concrete foundation excavation being backfilled.

APPENDIX D
WASTE CHARACTERIZATION ANALYTICAL RESULTS AND WASTE PROFILE DOCUMENTATION

TestAmerica
INCORPORATED

Ms. Margaret Kelley
BURNS & MCDONNELL
2601 West 22nd Street
Oakbrook, IL 60523

04/27/2001

Job Number: 01.03541

IEPA Cert. No.: 100221
WDNR Cert. No.: 999447130

Enclosed is the Analytical and Quality Control reports for the following samples submitted to Bartlett Division of TestAmerica for analysis.

Project Description: #27193-3.06 Rogers Park South/Chicago

Sample Number	Sample Description	Date Taken	Date Received
625032	RPS-WC1	04/23/2001	04/23/2001

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. These results apply only to the samples analyzed. Reproduction of this report only in whole is permitted. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Procedures used follow TestAmerica Standard Operating Procedures which reference the methods listed on your report. Should you have questions regarding procedures or results, please do not hesitate to call. TestAmerica has been pleased to provide these analytical services for you.

This Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Approved by:

Robert E. White

Project Manager

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Ms. Margaret Kelley
BURNS & MCDONNELL
2601 West 22nd Street
Oakbrook, IL 60523

04/27/2001

Sample No. : 625032

Job No.: 01.03541

Sample Description: RPS-WC1
#27193-3.06; Rogers Park South/Chicago

Date Taken: 04/23/2001
Time Taken: 14:00
IEPA Cert. No. 100221

Date Received: 04/23/2001
Time Received: 16:45
WDNR Cert. No. 999447130

Parameter	Result	Flag	Units	Date Analyzed	Time Analyzed	Reporting Limit	Analyst	Batch No. Prep/Run		Analytical Method
ASTM-pH	8.31		units	04/27/2001		0.10	dat		34	ASTM D3987-85
ASTM Preparation	Complete			04/24/2001			reh	70		ASTM D3987-85
ASTM-COD	<20		mg/L	04/26/2001		20	kmb		23	SM 5220
ASTM-Cyanide	<0.005		mg/L	04/27/2001		0.005	dat		70	
Flashpoint	>200		Degree F	04/27/2001		72	cdp		757	SW 1010
ASTM-Ammonia	<0.50		mg/L	04/25/2001		0.50	kmb		33	EPA 350.1
ASTM-Oxidizer Screen	no reaction			04/27/2001		NA	pbk	70	4	ASTM 4981-89
Paint Filter Test	pass			04/27/2001		NA	pbk		626	SW 9095A
pH, Non-Aqueous	8.08		units	04/27/2001		0.10	cdp		489	SW 9045B
Solids, Total	78.2		%	04/26/2001		0.1	cdp		3934	SM 2540
TCLP Metals Extraction	Leached			04/24/2001			reh		1394	SW 1311
TCLP-Arsenic, ICP	<0.20		mg/L	04/26/2001		0.20	aks	3694	5711	SW 6010B
TCLP-Barium, ICP	0.402		mg/L	04/26/2001		0.020	aks	3694	5713	SW 6010B
TCLP-Cadmium, ICP	<0.010		mg/L	04/26/2001		0.010	aks	3694	6598	SW 6010B
TCLP-Chromium,ICP	<0.040		mg/L	04/26/2001		0.040	aks	3694	5702	SW 6010B
TCLP-Lead, ICP	<0.200		mg/L	04/26/2001		0.200	aks	3694	5906	SW 6010B
TCLP-Mercury, CVAA	<0.0002		mg/L	04/26/2001		0.0002	efw2	1750	1548	SW 7470A
TCLP-Selenium, ICP	<0.20		mg/L	04/26/2001		0.20	aks	3694	5517	SW 6010B
TCLP-Silver, ICP	<0.050		mg/L	04/26/2001		0.050	aks	3694	5921	SW 6010B
TCLP Organic Prep	Leached			04/24/2001			reh	737		SW 1311
Prep PCBs 8082 NonAqueous	extracted			04/24/2001			jjh	700		SW 3550B
PCBs 8082 NonAqueous										
PCB-1016	<320		ug/kg dw	04/24/2001		320	skb	700	204	SW 8082
PCB-1221	<320		ug/kg dw	04/24/2001		320	skb	700	204	SW 8082
PCB-1232	<320		ug/kg dw	04/24/2001		320	skb	700	204	SW 8082
PCB-1242	<320		ug/kg dw	04/24/2001		320	skb	700	204	SW 8082

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Ms. Margaret Kelley
BURNS & MCDONNELL
2601 West 22nd Street
Oakbrook, IL 60523

04/27/2001

Sample No. : 625032

Job No.: 01.03541

Sample Description: RPS-WC1
#27193-3.06; Rogers Park South/Chicago

Date Taken: 04/23/2001
Time Taken: 14:00
IEPA Cert. No. 100221

Date Received: 04/23/2001
Time Received: 16:45
WDNR Cert. No. 999447130

Parameter	Result	Flag	Units	Date Analyzed	Time Analyzed	Reporting Limit	Analyst	Batch No. Prep/Run		Analytical Method
PCB-1248	<320		ug/kg dw	04/24/2001		320	skb	700	204	SW 8082
PCB-1254	<320		ug/kg dw	04/24/2001		320	skb	700	204	SW 8082
PCB-1260	<320		ug/kg dw	04/24/2001		320	skb	700	204	SW 8082
Surr: Tetrachloroxylene (TCX)	108.0		%	04/24/2001		51-135	skb	700	204	SW 8082
Surr: Decachlorobiphenyl (DCB)	123.0		%	04/24/2001		55-123	skb	700	204	SW 8082
Prep, BNA Extract (TCLP)	extracted			04/26/2001			msr	950		SW 3510C
TCLP BASE NEUTRAL COMPOUNDS										
TCLP-Hexachlorobenzene	<0.10		mg/L	04/27/2001		0.10	dap	737	1898	SW 8270C
TCLP-Pyridine	<0.10		mg/L	04/27/2001		0.10	dap	737	1898	SW 8270C
Surr: Nitrobenzene-d5	63.0		%	04/27/2001		27-118	dap	737	1898	SW 8270C
Surr: 2-Fluorobiphenyl	62.0		%	04/27/2001		29-109	dap	737	1898	SW 8270C
Surr: Terphenyl-d14	68.0		%	04/27/2001		31-123	dap	737	1898	SW 8270C
ASTM-Oil & Grease	11		mg/L	04/26/2001		5.0	dmc		20	EPA 413.1
Reactive Sulfide	<10	R1R3R4	mg/kg	04/26/2001		10	mas		962	SW 7.3/9034

R1R3R4: USEPA RL for this analyte is 500mg/Kg.
Results below the USEPA RL(s) are for informational purposes only.
Per USEPA Methods Information and Communication Exchange.

TestAmerica
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QUALITY CONTROL REPORT

CONTINUING CALIBRATION VERIFICATION

BURNS & MCDONNELL
2601 West 22nd Street
Oakbrook, IL 60523

04/27/2001

Job Number: 01.03541

Ms. Margaret Kelley

Analyte	Run Batch Number	CCV True Conc.	Conc. Found	Percent Recovery
ASTM-Cyanide	70	0.115	0.122	106.1
ASTM-Cyanide	70	0.115	0.122	106.1
ASTM-Cyanide	70	0.115	0.112	97.4
ASTM-Ammonia	33	15.0	14.2	94.7
ASTM-Ammonia	33	15.0	14.7	98.0
ASTM-Ammonia	33	5.00	5.13	102.6
ASTM-Ammonia	33	5.00	4.99	99.8
pH, Non-Aqueous	489	7.00	7.07	101.0
TCLP-Arsenic, ICP	5711	2.00	2.03	101.5
TCLP-Barium, ICP	5713	2.00	1.96	98.0
TCLP-Cadmium, ICP	6598	1.00	0.969	96.9
TCLP-Chromium,ICP	5702	2.00	1.96	98.0
TCLP-Lead, ICP	5906	2.00	1.96	98.0
TCLP-Mercury, CVAA	1548	0.0025	0.00262	104.8
TCLP-Selenium, ICP	5517	2.00	1.95	97.5
PCBs 8082 NonAqueous				
PCB-1016	204	250	268	107.2
PCB-1260	204	250	270	108.0
PCBs 8082 NonAqueous				
PCB-1016	204	750	740	98.7
PCB-1260	204	750	776	103.5
Reactive Sulfide	962	390	400	102.6

CCV - Continuing Calibration Verification

TestAmerica
INCORPORATED

QUALITY CONTROL REPORT

BLANK ANALYSIS

BURNS & MCDONNELL
2601 West 22nd Street
Oakbrook, IL 60523

04/27/2001

Job Number: 01.03541

Ms. Margaret Kelley

Analyte	Prep Batch Number	Run Batch Number	Blank Analysis Results	Units	Reporting Limit	Analytical Method
ASTM-COD		23	<20	mg/L	20	SM 5220
ASTM-Cyanide		70	<0.005	mg/L	0.005	
Flashpoint		757	<72	Degre	72	SW 1010
ASTM-Ammonia		33	<0.50	mg/L	0.50	EPA 350.1
ASTM-Ammonia		33	<0.50	mg/L	0.50	EPA 350.1
Solids, Total		3934	<0.1	%	0.1	SM 2540
TCLP Metals Extraction		1394	extracte			SW 1311
TCLP-Arsenic, ICP	3694	5711	<0.20	mg/L	0.20	SW 6010B
TCLP-Barium, ICP	3694	5713	<0.020	mg/L	0.020	SW 6010B
TCLP-Cadmium, ICP	3694	6598	<0.010	mg/L	0.010	SW 6010B
TCLP-Chromium, ICP	3694	5702	<0.040	mg/L	0.040	SW 6010B
TCLP-Lead, ICP	3694	5906	<0.200	mg/L	0.200	SW 6010B
TCLP-Mercury, CVAA	1750	1548	<0.0002	mg/L	0.0002	SW 7470A
TCLP-Selenium, ICP	3694	5517	<0.20	mg/L	0.20	SW 6010B
TCLP-Silver, ICP	3694	5921	<0.050	mg/L	0.050	SW 6010B
PCBs 8082 NonAqueous						SW 8082
PCB-1016	700	204	<250	ug/Kg	250	SW 8082
PCB-1221	700	204	<250	ug/Kg	250	SW 8082
PCB-1232	700	204	<250	ug/Kg	250	SW 8082
PCB-1242	700	204	<250	ug/Kg	250	SW 8082
PCB-1248	700	204	<250	ug/Kg	250	SW 8082
PCB-1254	700	204	<250	ug/Kg	250	SW 8082
PCB-1260	700	204	<250	ug/Kg	250	SW 8082
Surr: Tetrachloroxylene (TCX)	700	204	106.0	%	51-135	SW 8082
Surr: Decachlorobiphenyl (DCB)	700	204	119.0	%	55-123	SW 8082
TCLP BASE NEUTRAL COMPOUNDS						SW 8270C
TCLP-Hexachlorobenzene	737	1676	<0.10	mg/L	0.10	SW 8270C
TCLP-Pyridine	737	1676	<0.10	mg/L	0.10	SW 8270C
Surr: Nitrobenzene-d5	737	1676	68.0	%	35-114	SW 8270C

TestAmerica
INCORPORATED

QUALITY CONTROL REPORT

BLANK ANALYSIS

BURNS & MCDONNELL
2601 West 22nd Street
Oakbrook, IL 60523

04/27/2001

Job Number: 01.03541

Ms. Margaret Kelley

Analyte	Prep Batch Number	Run Batch Number	Blank Analysis Results	Units	Reporting Limit	Analytical Method
Surr: 2-Fluorobiphenyl	737	1676	69.0	%	43-116	SW 8270C
Surr: Terphenyl-d14	737	1676	70.0	%	33-141	SW 8270C
ASTM-Oil & Grease		20	<5	mg/L	5.0	EPA 413.1
Reactive Sulfide		962	<10	mg/kg	10	SW 7.3/9034

TestAmerica
INCORPORATED

QUALITY CONTROL REPORT

LABORATORY CONTROL STANDARD

BURNS & MCDONNELL
2601 West 22nd Street
Oakbrook, IL 60523

04/27/2001

Job Number: 01.03541

Ms. Margaret Kelley

Analyte	Prep Batch Number	Run Batch Number	True Conc.	Conc. Found		LCS % Recovery
ASTM-COD		23	25	27		108.0
ASTM-COD		23	100	96		96.0
ASTM-Cyanide		70	0.191	0.192		100.5
ASTM-Cyanide		70	0.048	0.045		93.8
ASTM-Ammonia		33	15.0	16.0		106.7
ASTM-Ammonia		33	5.00	5.05		101.0
ASTM-Ammonia		33	15.0	15.6		104.0
ASTM-Ammonia		33	5.00	5.05		101.0
TCLP-Arsenic, ICP	3694	5711	0.500	0.527		105.4
TCLP-Barium, ICP	3694	5713	0.500	0.507		101.4
TCLP-Cadmium, ICP	3694	6598	0.500	0.500		100.0
TCLP-Chromium, ICP	3694	5702	0.500	0.505		101.0
TCLP-Lead, ICP	3694	5906	0.500	0.509		101.8
TCLP-Mercury, CVAA	1750	1548	0.0025	0.00266		106.4
TCLP-Selenium, ICP	3694	5517	0.500	0.508		101.6
TCLP-Silver, ICP	3694	5921	0.500	0.494		98.8
PCBs 8082 NonAqueous						
PCB-1016	700	204	2500	2987		119.5
PCB-1260	700	204	2500	2933		117.3
Surr: Tetrachloroxylene (TCX)	700	204	100	120		120.0
Surr: Decachlorobiphenyl (DCB)	700	204	100	136	SURROU	136.0
TCLP BASE NEUTRAL COMPOUNDS						
TCLP-Hexachlorobenzene	737	1676	80	63		78.8
TCLP-Pyridine	737	1676	80	38		47.5
Surr: Nitrobenzene-d5	737	1676	100	74		74.0
Surr: 2-Fluorobiphenyl	737	1676	100	70		70.0
Surr: Terphenyl-d14	737	1676	100	75		75.0
ASTM-Oil & Grease		20	100	98		98.0
Reactive Sulfide		962	390	34		8.7

TestAmerica
INCORPORATED

QUALITY CONTROL REPORT
MATRIX SPIKE/MATRIX SPIKE DUPLICATE

04/27/2001

Ms. Margaret Kelley
BURNS & MCDONNELL
2601 West 22nd Street
Oakbrook, IL 60523

Job No: 01.03541

Job Description: #27193-3.06; Rogers Park South/Chicago

Analyte	Prep Batch Number	Run Batch Number	Sample Result	Spike Amount	Units	Matrix Spike Result	MSD Result	MS Percent Recovery	MSD Percent Recovery	RPD	Sample Spiked
ASTM-COD		23	<20	25	mg/L	27	26	108.0	104.0	3.8	625059
TCLP Metals Extraction		1394	Leached								624139
TCLP-Barium, ICP	3694	5713	2.13	0.500	mg/L	2.51	2.55	76.0	84.0	1.6	623996
TCLP-Chromium,ICP	3694	5702	<0.040	0.500	mg/L	0.446	0.454	89.2	90.8	1.8	623996
TCLP-Mercury, CVAA	1750	1548	<0.0002	0.0025	mg/L	0.00299	0.0029	119.6	116.4	2.7	625157
TCLP-Mercury, CVAA	1750	1548	<0.0002	0.0025	mg/L	0.00294	0.0029	117.6	116.4	1.0	625032
TCLP-Silver, ICP	3694	5921	<0.050	0.500	mg/L	0.447	0.452	89.4	90.4	1.1	623996
PCBs 8082 NonAqueous											625032
PCB-1016	700	204	<250	2475	ug/kg	3075	3045	124.2	123.0	1.0	625032
PCB-1260	700	204	<250	2475	ug/kg	2902	2890	117.3	116.8	0.4	625032
Surr: Tetrachloroxylene (	700	204	108	100	ug/L	116	116	116.0	116.0	0.0	625032
Surr: Decachlorobiphenyl	700	204	123	100	ug/L	134	132	134.0	132.0	1.5	625032
Reactive Sulfide		962	<10	390	mg/kg	25	23	6.4	5.9	8.3	625191

NOTE: Matrix Spike Samples may not be samples from this job.

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
RPD calculations are performed on the Percent Recovery calculated from the observed Matrix spike and Matrix Spike Duplicate results.
MSI = Matrix Spike Level Insignificant (<25%) compared to background level.

TestAmerica
INCORPORATED

QUALITY CONTROL REPORT

DUPLICATES

BURNS & MCDONNELL
2601 West 22nd Street
Oakbrook, IL 60523

04/27/2001

Job Number: 01.03541

Ms. Margaret Kelley

Analyte	Prep Batch Number	Run Batch Number	Original Analysis	Duplicate Analysis	Units	RPD
Flashpoint		757	>200	>200	Degree	
ASTM-Oxidizer Screen	70	4	no react	no reacti		
Paint Filter Test		626	pass	pass		
Solids, Total		3934	80.8	80.8	%	0.0

NOTE: Spikes and Duplicates may not be samples from this job.

RPD - Relative Percent Difference

TestAmerica
INCORPORATED

Ms. Margaret Kelley
BURNS & MCDONNELL
2601 West 22nd Street
Oakbrook, IL 60523

04/27/2001

Job Number: 01.03541

IEPA Cert. No.: 100221
WDNR Cert. No.: 999447130

Project Description: #27193-3.06; Rogers Park South/Chicago

CASE NARRATIVE

No analytical exceptions were noted outside of routine method protocols.

TestAmerica

KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	Less than; When appearing in the results column indicates the analyte was not detected at or above the reported value.
N/S	:	No coliform bacteria were present and the opinion is satisfactory.
P/U	:	Coliform bacteria were present and the opinion is unsatisfactory.
mg/L	:	Concentration in units of milligrams of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per million (ppm).
ug/g	:	Concentration in units of micrograms of analyte per gram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per million (ppm) or mg/Kg.
ug/L	:	Concentration in units of micrograms of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per billion (ppb).
ug/Kg	:	Concentration in units of micrograms of analyte per kilogram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per billion (ppb).
TCLP	:	These initials appearing in front of an analyte name indicate that the Toxicity Characteristic Leaching Procedure (TCLP) was performed for this test.
Surr:	:	These initials are the abbreviation for surrogate. Surrogates are compounds that are chemically similar to the compounds of interest. They are part of the method quality control requirements.
%	:	Percent; To convert ppm to %, divide the result by 10,000. To convert % to ppm, multiply the result by 10,000.
ICP	:	Indicates analysis was performed using Inductively Coupled Plasma Spectroscopy.
AA	:	Indicates analysis was performed using Atomic Absorption Spectroscopy.
GFAA	:	Indicates analysis was performed using Graphite Furnace Atomic Absorption Spectroscopy.
PQL	:	Practical Quantitation Limit; the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

Method References

ASTM "American Society for Testing Materials"

EPA "Methods for Chemical Analysis of Water and Wastes", USEPA, EPA 600/4-79-020, Revised March 1983.

EPA "Test Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", EPA 600/4-82-057, July 1982.

SDWA "Methods for the Determination of Organic Compounds in Finished Drinking Water and Raw Source Water", USEPA, September 1986.

SDWA "Methods for the Determination of Metals in Environmental Samples", Supplement I USEPA, EPA-600/R-94/111, May 1994.

SM "Standard Methods for the Examination of Water and Wastewater", APHA-AWWA-WPCF, 18th Edition.

SW "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW-846.

TestAmerica
INCORPORATED

ATTACHMENT: CHAIN OF CUSTODY

Following are the chain of custody documents associated with the samples pertaining to this report.

TestAmerica INCORPORATED

Bartlett Division
850 West Bartlett Road
Bartlett, IL 60103

Phone: 630-289-3100
Fax: 630-289-5445

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring: _____

Client Name: Peoples Gas/Burns & McDonnell
Client #: _____
Address: 21001-W 22nd Street
City/State/Zip Code: Oak Brook IL 60523
Project Manager: Margaret Kelley
Telephone Number: 630 990 0302 / Fax: 630 990 0301
Sampler Name: (Print Name) Tom Gass
Sampler Signature: T. Gass

Project Name: Bogers Park South
Project #: 27192-3.06
Site/Location ID: Chicago State: IL
Report To: M Kelley
Invoice To: M Kelley
Quote #: _____ PO#: _____

TAT: ___ Standard; X Rush (surcharges may apply)
Date Needed: 4/26/01
Fax Results: (Y) N

QC Deliverables: ___ None; ___ Level 2 (Batch QC); ___ Level 3; ___ Level 4; Other: _____

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix (SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other)	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None 2 Jars	Other (Specify)	Analyze For: pH	TCLP Metals	TCLP Pesticides	TCLP Hexachlorobenzene*	PCBs	Flashpoint	Reactive Sulfide	Paint Filter	LN Panel *	REMARKS
RPS-WC1-04-23-01	4/23/01	14:00	C		S						2		X	X	X	X	X	X	X	X	X	RUSH

Special Instructions:
* Detection Limit for TCLP Hexachlorobenzene must be below 0.13 ppm
** ASTM D3987-85 Extract, COD, fats, oil & grease, ammonia nitrogen, pH, total cyanide, oxidizing agent

LABORATORY COMMENTS:
Init Lab Temp: Broke sample top
Rec Lab Temp: Broke sample top
Custody Seals: Y N N/A
Bottles Supplied by TestAmerica: (Y) N
Method of Shipment: Courier

Relinquished By	Date	Time	Received By	Date	Time
Margaret Kelley	4/23/01	3:40 pm	[illegible]	4-23	3:56
			[illegible]	4/23/01	4:45

STAT Analysis Corporation
2201 West Campbell Park Drive Chicago, Illinois 60612-3501 Tel: 312.733.0551 Fax: 312.733.2386
e-mail address: STATinfo@STATAnalysis.com AIHA accredited 10248, NVLAP accredited 101202-0.

May 14, 2001

Margaret Kelly
Burns & McDonnell
2601 W. 22nd Street
Oak Brook, Illinois 60523-1229
Phone: (630) 990-0300
Fax: (630) 990-0301

Re: Project Number/Name: 27194-4.07, Peoples-Rogers Park Main & East
STAT Project Number: 701818 STAT Sample No.: 917057
Date Received: May 3, 2001

Dear Ms. Kelly:

Enclosed are the analytical results for the above referenced project. The sample was analyzed as per the enclosed chain of custody.

All analyses were performed in accordance with methods from the USEPA publication Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, SW-846, 3rd Edition, December, 1996. Specific method references are listed on the analytical report.

All analyses were performed within the established holding times, and all quality control criteria, as outlined in the method have been met. QA/QC documentation and raw data will remain on file for future reference.

Thank you for the opportunity to serve you and we look forward to working with you in the future. If you have any questions about the enclosed materials, please call me at 312-733-0551.

Sincerely,

Craig Chawla
Project Manager

STAT Analysis Corporation:
2201 West Campbell Park Drive, Chicago, Illinois 60612-3547
Tel: 312.733.0551; Fax: 312.733.2386; e-mail address: STATinfo@STATAnalysis.com

NVLAP & AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Analytical Report

Client:	Burns & McDonnell		
Project ID:	27194-4.07, Peoples-Rogers Park Main & East	Date Received:	5/3/01
Sample Number:	1, RPM-SB61-005	Date Taken:	5/2/01
STAT Project No.:	701818	Time Taken:	1330
STAT Sample No.:	917057	Date Reported:	5/14/01

Analyte	Result	Units
TCLP Volatile Organic Compounds Method 1311/8260B		
Analysis Date: 5/9/01		
Benzene	3.79	mg/L
2-Butanone	< 0.050	mg/L
Carbon tetrachloride	< 0.100	mg/L
Chlorobenzene	< 0.050	mg/L
Chloroform	< 0.050	mg/L
1,2-Dichloroethane	< 0.050	mg/L
1,1-Dichloroethene	< 0.050	mg/L
Tetrachloroethene	< 0.050	mg/L
Trichloroethene	< 0.050	mg/L
Vinyl Chloride	< 0.100	mg/L
TCLP Base-Neutral/Acid Compounds Method 1311/8270C		
Preparation Date: 5/4/01		
Analysis Date: 5/4/01		
1,4-Dichlorobenzene	< 0.100	mg/L
2,4-Dinitrotoluene	< 0.100	mg/L
Hexachlorobenzene	< 0.100	mg/L
Hexachlorobutadiene	< 0.100	mg/L
Hexachloroethane	< 0.100	mg/L
o-Cresol	< 0.100	mg/L
m&p-Cresol	< 0.100	mg/L
Nitrobenzene	< 0.100	mg/L
Pentachlorophenol	< 0.500	mg/L
Pyridine	< 0.500	mg/L
2,4,5-Trichlorophenol	< 0.100	mg/L
2,4,6-Trichlorophenol	< 0.100	mg/L

STAT Analysis Corporation:
2201 West Campbell Park Drive, Chicago, Illinois 60612-3547
Tel: 312.733.0551; Fax: 312.733.2386; e-mail address: STATinfo@STATAnalysis.com

NVLAP & AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Analytical Report

Client:	Burns & McDonnell		
Project ID:	27194-4.07, Peoples-Rogers Park Main & East	Date Received:	5/3/01
Sample Number:	1, RPM-SB61-005	Date Taken:	5/2/01
STAT Project No.:	701818	Time Taken:	1330
STAT Sample No.:	917057	Date Reported:	5/14/01

Analyte	Result	Units	Date Analyzed	Method
Total Solids	82.61	%	5/7/01	160.3
Ash Content	79.74	%	5/8/01	160.4
Flash Point (Open Cup)	No Flash @	212 °F	5/3/01	1010M
pH @ 25°C, 1:10	8.71	units	5/3/01	9045C
Paint Filter	Liquid Not Present		5/3/01	9095
Phenol	1.60	mg/Kg	5/7/01	9065
Cyanide, Total	<0.25	mg/Kg	5/4/01	9010B/9014
Sulfide, Reactive	<10	mg/Kg	5/9/01	7.3.4.2
Water Reactivity	None		5/3/01	ASTM D5058-C
EOX	80	mg/Kg	5/7/01	9023
TCLP Metals				
Arsenic	<0.010	mg/L	5/4/01	1311/6020
Barium	1.29	mg/L	5/4/01	1311/6020
Cadmium	<0.010	mg/L	5/4/01	1311/6020
Chromium	<0.010	mg/L	5/4/01	1311/6020
Lead	0.052	mg/L	5/4/01	1311/6020
Mercury	<0.0005	mg/L	5/9/01	1311/7470A
Selenium	<0.010	mg/L	5/4/01	1311/6020
Silver	<0.010	mg/L	5/4/01	1311/6020

STAT Analysis Corporation
2201 West Campbell Park Drive, Chicago, Illinois 60612-3547 Phone: (312) 733-0551 Fax: (312) 733-2386
e-mail address: STATinfo@STATAnalysis.com AIHA accredited 10248, NVLAP accredited 101202-0

AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

NVLAP®

Nº: 701818

CHAIN OF CUSTODY RECORD

Page : 1 of 1

Client Name: Burns + McDonnell
Project Number: 27194-4.07
Project Name: Peoples- Rogers Park Main + East
Location/Address: 6659 Kedzie, Chicago, IL
Samplers: Libby Northrip / Daria Prawlocki

TYPE OF ANALYSES

Turnaround Time: 7 (days)
Results Needed: 5/14/01 am/pm

Client Sample No.:	Sample Description	Date Taken	Time Taken	Comp	Grab	No. of Containers	TCLP VOC 8260	TCLP SVOC 8270C	TCLP Metals	EDX 8082	Flashpoint 1010	pH 9045C	paint Filter	reactive sulfide	total solids	ash content	total cyanide	total phenol	water reactivity				Remarks	Lab No.
1	RPM-SB61-005	5/2/01	1330		X	5	X	X	X	X	X	X	X	X	X	X	X	X	X				7-9'	917057

Relinquished by: (Signature) Libby Northrip	Date/Time: 5/3/01 0950	Lab. Use:	Sample Verification
Received by: (Signature) Alex Alvarez	Date/Time: 5-3-01 0950	- Container OK	Yes ✓ No
Relinquished by: (Signature)	Date/Time:	- Samples Leaking	Yes No ✓
Received for lab by: (Signature)	Date/Time: 5/3/01 1110	- Refrigerated (Temp: 5 °C)	Yes ✓ No
Relinquished by: (Signature)	Date/Time:	- Sample Labels Match Sample ID	Yes ✓ No

Contact Information:
Phone Number: 630-990-0300
Fax Number: 630-990-0301
Attention: M. Kelley
Other Contact: L. Northrip

HERITAGE ENVIRONMENTAL SERVICES, LLC
WASTESTREAM SURVEY FORM
(877)436-8778
Heritage Form HERWS01

Heritage Use Only	
Quote #	Approval Fee
Ws#	P.O.
Sample #	Heritage Contact

Preferred Service Location:
Indianapolis, IN ☐ Charlotte, NC ☐ Kansas City, MO ☐ Lemont, IL ☒ Coolidge, AZ ☐ Williston, VT ☐ Caldwell, TX ☐
Heritage Hazardous Landfill (Roachdale, IN) ☐ Heritage Non-Hazardous Landfill (Roachdale, IN) ☐ Toledo, OH ☐

1. GENERATOR INFORMATION

Heritage Generator Number (if known)			
Generator Name	Peoples Gas Light and Coke		
Address	6659 N. Kedzie Avenue		
City, State, Zip	Chicago, Illinois 60645		
Tech. Contact	Alison Millerick		
Phone	312-240-4832	Fax	312-240-4765
E-mail	a.millerick@pecorp.com		
US EPA ID	ILD984870139		
State ID Numbers	0316025027		
Generator Status			
LQG ☐ SQG ☒ CESQG ☐ Non-hazardous			

2. BILLING INFORMATION

Quote to: Generator ☒ Customer ☐ Other ☐

Customer	Peoples Gas Light & Coke		
Address	130 East Randolph Street, 20th Floor		
City, State, Zip	Chicago, Illinois 60601		
Contact Name	Alison Millerick		
Phone	312-240-4832`	Fax	312-240-4765
E-mail			

3. MANIFEST MAIL ADDRESS *Generator* ☒ *Billing* ☒

Contact Name	Alison Millerick
Company	Peoples Gas Light and Coke
Address	130 East Randolph Street, 20th Floor
City, State, Zip	Chicago, Illinois 60601

4. SIC Code wastestream was generated under (If code is 2911, 28—,or 3312 complete form HERWS03)

5. Common Name Manufactured Gas Plant (MGP) Waste

6. Process Generating Waste Excavation of Impacted Soil

7. DOT Description (*if available*) RQ, Environmentally Hazardous Substances, Solid, N.O.S., 9, UN3077, PGIII, (D018)(Benzene)

8. Chemical Composition: Using specific chemical names, list all constituents present in the wastestream. Attach available analyses or MSDSs. Remember to identify Form R/TRI Toxic Chemicals. **Total composition must equal or exceed 100%.**

Constituent	Range	Units
TCLP Benzene	3.79	mg/L
Soil		%
Coal Tar		%

9. Identify US EPA waste codes D018

10. US EPA Form Code US EPA Source Code

11. Identify state waste codes None

12. Color Brown Appearance Soil Odor Coal Tar/Soil

13. %Solids 100 %Liquids

14. Physical State at 70 °F Solid ☒ Liquid ☐ Sludge ☐ Semi-solid ☐ Powder ☐ Gas ☐
If solid, are there free liquids? Yes ☐ No ☒ (If no, will waste dump from the drum? Yes ☐ No ☐)
Is the wastestream pumpable? Yes ☐ No ☒

15. pH or pH range (*If wastestream is solid, give pH of 10% slurry*): 7
Flash Point : <100°F ☐ 100-140°F ☐ 141-200°F ☐ >200°F ☒
Boiling Point: <100°F ☐ >100°F ☒
Fuel Value (Btu/lb): <2000 ☒ 2000-6000 ☐ 6000-10,000 ☐ > 10,000 ☐

16. Is the waste generated from or associated with metal finishing or other plating activities? Yes ☐ No ☒

Common Name (same as Item #5):

17. If the waste is federally hazardous, is this waste subject to Subpart CC regulation at 40 CFR 265.1080-1091 (i.e. contains ∃500 ppm VOCs) ? Yes ☐ No ☒ NA ☐

18. Does this material meet the definition of a used oil (40 CFR 279)? Yes ☐ No ☒ If yes, has the waste been mixed with hazardous waste? Yes ☐ No ☐

19. Does the wastestream contain asbestos? Yes ☐ No ☒ If Yes, is the asbestos friable? Yes ☐ No ☐
Does the wastestream contain human sanitary, biological, or infectious waste? Yes ☐ No ☒
Does the wastestream contain dioxins or furans or dioxin-precursors? Yes ☐ No ☒
Does the wastestream contain radioactive wastes? Yes ☐ No ☒
Does the wastestream contain PCBs? Yes ☐ No ☒ If Yes, what concentration? _____ ppm
Is the wastestream air reactive, autoignitable, pyrophoric or spontaneously combustible? Yes ☐ No ☒
Is the wastestream water reactive? Yes ☐ No ☒
Does the wastestream present other compatibility concerns? Yes ☐ No ☒ If yes, specify _____
Is the wastestream dusty? Yes ☐ No ☒

20. List all Attachments analytical'

21 a. Transporter: Heritage Transport ☐ Other ☒
24 Hour Emergency Number _____
If transporter is not Heritage Transport, complete the following:
Transporter Name _____
Address _____
City, State, Zip _____
Contact/Phone _____
US EPA ID No.

21b. Packaging:
Bulk Solid ☒ Bulk Liquid ☐
Container ☒
Container Type: Dump Truck
Container Size: 30 Yard
Annual Volume (units): 500 Yards

22. **CERTIFICATION** *Sign and date the certification*
I hereby certify that all information submitted herein and attached contains true, accurate and complete descriptions of this waste. Any sample submitted for analysis is representative of the waste material being offered for approval. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I have reviewed the physical facilities, administrative practices, and operational procedures (or have directed the completion of such a review) and based on this review do willingly make this certification. I authorize Heritage to obtain a sample from any waste shipment for purposes of recertification. I will notify Heritage Environmental Services, LLC if the generator status or any other information on this form changes.

Signature _____ Date _____ Company _____

23. If wastestream carries F001, F002, F003, F004, and/or F005, identify concentration in mg/l or mg/kg for each constituent, if constituent is present, but concentrations are unknown, use the check box:

Acetone	n/a	2-Ethoxyethanol	n/a	2-Nitropropane	n/a
Benzene	3.79 mg/l	Ethyl Acetate	n/a	Pyridine	n/a
n-Butyl Alcohol	n/a	Ethyl Benzene	n/a	Tetrachloroethylene	n/a
Carbon Disulfide	n/a	Ethyl Ether	n/a	Toluene	n/a
Carbon Tetrachloride	n/a	Isobutanol	n/a	1,1,1-Trichloroethane	n/a
Chlorobenzene	n/a	Methanol	n/a	1,1,2-Trichloroethane	n/a
Cresol (m and p)	n/a	Methylene Chloride	n/a	Trichloroethylene	n/a
o-Cresol	n/a	Methyl Ethyl Ketone	n/a	1,1,2-Trichloro-1,2,2-trifluoroethane	n/a
Cyclohexanone	n/a	Methyl Isobutyl Ketone	n/a	Trichlorofluoroethane	n/a
1,2-Dichlorobenzene	n/a	Nitrobenzene	n/a	Xylenes (total)	n/a

24. Complete for Williston, VT; Caldwell, TX and

System Type	*M141*	Total Alkalinity	TOC	Halogens	Sulfides	Zn
Hex Chrome		Total Acidity	HOC	Cyanides	Ni	

Toxicity Characteristic Constituents *Provide the TCLP results for the following constituents in mg/l:*

D004 Arsenic		D014 Methoxychlor		D024 m-Cresol		D034 Hexachloroethane	
D005 Barium		D015 Toxaphene		D025 p-Cresol		D035 Methyl Ethyl Ketone	
D006 Cadmium		D016 2,4-D		D026 Cresol		D036 Nitrobenzene	
D007 Chromium		D017 2,4,5-TP(Silvex)		D027 1,4-Dichlorobenzene		D037 Pentachlorophenol	
D008 Lead		D018 Benzene		D028 1,2 –Dichloroethane		D038 Pyridine	
D009 Mercury		D019 Carbon Tetrachloride		D029 1,1-Dichloroethylene		D039 Tetrachloroethylene	
D010 Selenium		D020 Chlordane		D030 2,4-Dinitrotoluene		D040 Trichloroethylene	
D011 Silver		D021 Chlorobenzene		D031 Heptachlor		D041 2,4,5-Trichlorophenol	
D012 Endrin		D022 Chloroform		D032 Hexachlorobenzene		D042 2,4,6-Trichlorophenol	
D013 Lindane		D023 o-Cresol		D033Hexachlorobutadiene		D043 Vinyl Chloride	

WASTE DETERMINATION HERITAGE FORM # HERWS07

Facility Name: Rogers Park Sub Shop **Facility EPA ID #:** ILD984870139
Facility Location: Chicago **Wastestream #:**

1. Common Name: MGP Waste – Non-regulated per Federal Rule

2. Process Generating the Waste: Excavation of Impacted Soils

3. If MSDS(s) are to be used instead of analytical, list out all chemicals that are able to enter this wastestream. Attach MSDS(s).

4. Is the material a solid waste (Solid waste includes any material disposed of or abandoned in lieu of disposal, including materials burned, incinerated, or recycled and dioxins or furans, see 40 CFR 261.2. Please note that the word solid does not pertain to the physical state of the waste.) ? Yes xx No ☐

5. Is the material excluded from being a hazardous waste? (e.g., universal waste, used oil, etc.) Yes ☐ No ☐ If yes, note the exclusion and attach documentation. Per Federal Rule: Non-regulated in Indiana/MGP Waste

6. Is the solid waste listed as a hazardous waste (The answer to this question is based upon the process generating the waste or the chemical constituents for virgin materials. An MSDS is attached if virgin material.) Yes ☐ No ☐

7. The waste is not ignitable (D001) based on:
attached MSDS(s). ☐ *attached analytical.xx* *generator knowledge.* ☐ *Heritage industrial waste table.* ☐

8. The waste is not corrosive (D002) based on:
attached MSDS(s). ☐ *attached analytical.xx* *generator knowledge.* ☐ *Heritage industrial waste table.* ☐

9. The waste is not reactive (D003) based on:
attached MSDS(s). ☐ *attached analytical.xx* *generator knowledge.* ☐ *Heritage industrial waste table.* ☐

10. The waste is not characteristic for metals (D004-D011) based on:
attached MSDS(s). ☐ *attached analytical.xx* *generator knowledge.* ☐ *Heritage industrial waste table.* ☐

11. The waste is not characteristic for volatiles (D018-19, D021-22, D028-29, D035, D039-40, D043) based on: MGP Rule Exemption on Benzene.
Attached MSDS(s). ☐ *attached analytical.xx* *generator knowledge.* ☐ *Heritage industrial waste table.* ☐

12. The waste is not characteristic for semi-volatiles (D023-27, D030, D032-34, D036-38, D041-42) based on:
Attached MSDS(s). ☐ *attached analytical.xx* *generator knowledge.* ☐ *Heritage industrial waste table.* ☐

13. The waste is not herbicides and pesticides (D012-17, D020, D031) based on:
attached MSDS(s). ☐ *attached analytical.xx* *generator knowledge.* ☐ *Heritage industrial waste table.* ☐

14. Does the waste require special handling (e.g., fugitive dust, heat producing) ?
Yes ☐ *No* ☐ *If yes, identify:*

15. The waste does not contain friable asbestos material; Category I nonfriable asbestos-containing material that has become friable; Category I nonfriable asbestos-containing materials that will be or has been subjected to sanding, grinding, cutting, or abrading; and Category II nonfriable asbestos-containing material that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material.

16. The waste does not contain PCB's and is not a Department of Transportation Hazardous Material.

17. The waste does not exhibit the presence of heat, or the capability of generating heat, or other significant risks that the particular waste may present in any reasonable anticipated handling, transportation, storage, processing, or reuse of that waste.

Certification
I hereby certify that all information submitted herein and attached contains true, accurate and complete descriptions of this waste and will notify Heritage Environmental Services, LLC (Heritage) if information on this form changes. The non-hazardous industrial waste represented above is not a hazardous waste. A waste determination was performed on this waste in accordance with 40 CFR 240-299 and 40 CFR 761. The characteristics of this waste have not changed since a waste determination was performed. I will notify Heritage if the characteristics of this waste change. For wastes generated in Indiana and/or landfilled in Indiana the waste determinant was done in accordance with IC 13-20-7.5-2 Documentation that supports the waste determination will be made available, upon request, to the landfill and the Indiana Department of Environmental Management.

Generator's Signature: Christopher F. Szela ***Title:*** Senior Engineer
Printed Name: Christopher F. Szela ***Date:*** 7-27-01

BEAVER OIL COMPANY WASTE SURVEY FORM

NOTICE (40 CFR 264.12): ACCEPTANCE OF THE GENERATOR'S WASTE INDICATES THAT BEAVER OIL HAS THE APPROPRIATE PERMITS FOR AND WILL ACCEPT THE WASTE THE GENERATOR IS SHIPPING.

GENERATOR NAME: Peoples GAS
FACILITY ADDRESS: 6659 North Kedzie Chicago IL 60645
BILLING NAME & ADDRESS IF DIFFERENT THAN GENERATOR: SET Environmental, Inc. 450 Sumac Road Wheeling, IL 60090

FACILITY CONTACT: Alison Millerick
PHONE: 312 240-4832
ILL EPA GEN. #: 0316025027
US EPA GEN. #: ILD984870139
MANIFEST MAILING ADDRESS IF DIFFERENT THAN GENERATOR: Alison Millerick Peoples Gas Light and Coke 130 East Randolph Floor 2 Chicago IL 60601

NAME OF WASTE: Vault water

PROCESS GENERATING WASTE: Oil and water from vault clean out

IS THIS A US EPA HAZARDOUS WASTE (40 CFR 261)? ___ YES X NO IF YES, ATTACH LAND DISPOSAL CERTIFICATION

PLEASE PROVIDE APPLICABLE HAZARDOUS WASTE CODES: ___

BROKER SET Environmental CONTACT Sue Mannis PHONE # 847-537-9221

PHYSICAL/CHEMICAL CHARACTERISTICS OF WASTE

COLOR	ODOR	PHYSICAL STATE @ 70 °F	LAYERS	SOLIDS PERCENTAGE
Black	X NONE ___ MILD ___ STRONG DESCRIBE ___	___ SOLID ___ SEMI-SOLID X LIQUID ___ POWDER	___ MULTILAYERED ___ BI-LAYERED X SINGLE PHASED	X < 5% ___ 40.1-60 % ___ 5.1-20% ___ 60.1-80% ___ 20.1-40% ___ 80.1-100% EXACT ___

pH	SPECIFIC GRAVITY	FLASH POINT	REACTIVITY
___ < 2.1 ___ 7.1-10 ___ 2.1-4.0 ___ 10.1-12.4 X 4.1-7.0 ___ 12.5-14.0 ___ NA EXACT ___	___ <0.8 ___ 1.3-1.4 X 0.8-1.0 ___ 1.5-1.7 ___ 1.1-1.2 ___ > 1.7 EXACT ___	___ 140 °F-200 °F ___ OPEN CUP X >200 °F ___ CLOSED CUP ___ NO FLASH ___ EXACT	___ EXPLOSIVE ___ SHOCK SENSITIVE ___ RADIOACTIVE ___ ETIOLOGICAL X NA

CHEMICAL COMPOSITION (TOTAL MUST BE 100 %)				OTHER COMPONENTS - TOTAL (PPM)			
Water	95-99%		%	CYANIDES	NS	PESTICIDES	NS
Cable oil	1-5%		%	SULFIDES	↓	HERBICIDES	↓
Petroleum Hydrocarbons	0-1%		%	PCBs	↓	CHLORINE	↓

SHIPPING INFORMATION

METHOD OF SHIPMENT: X BULK LIQUID ___ DRUM (TYPE/SIZE) ___

ANTICIPATED VOLUME: ~1,000 GALLONS ___ DRUMS

PER: ___ ONE TIME ___ QUARTER ___ MONTH ___ WEEK X YEAR

IS THIS A DOT HAZARDOUS WASTE? ___ YES X NO IF YES, HAZARDOUS CLASS: ___

PROPER DOT SHIPPING NAME: NOT Hazardous By DOT

APPROVED BY: ___ DATE: ___ WASTE CLASS: ___

APPROVAL #: ___

HW CODE(S): ___

WASTE CHARACTERISTICS

TABLE 40 CFR 261.24: MAXIMUM CONCENTRATION OF CONTAMINANTS FOR THE TOXICITY CHARACTERISTIC
G = DETERMINATION MADE BY GENERATOR INVESTIGATION / A = DETERMINATION MADE BY ACTUAL ANALYSIS

TO THE GENERATOR: ANY WASTE WHICH CONTAINS CONSTITUENTS IN CONCENTRATIONS ABOVE THE REGULATORY LEVEL SHOWN CONSTITUTES THAT WASTE AS A HAZARDOUS WASTE.

CONSTITUENT	REGULATORY LEVEL (mg/L)	CONCEN-TRATION (mg/L)	G	A	CONSTITUENT	REGULATORY LEVEL (mg/L)	CONCEN-TRATION (mg/L)	G	A
ARSENIC	5.0	<5.0	X		HEXACHLOROBENZENE	0.13	<0.13	X	
BARIUM	100.0	<100.0	X		HEXACHLOROBUTADIENE	0.5	<0.5	X	
BENZENE	0.5	<0.5	X		HEXACHLOROETHANE	3.0	<3.0	X	
CADMIUM	1.0	<1.0	X		LEAD	5.0	<5.0	X	
CARBON TETRACHLORIDE	0.5	<0.5	X		LINDANE	0.4	<0.4	X	
CHLORDANE	0.03	<0.03	X		MERCURY	0.2	<0.2	X	
CHLOROBENZENE	100.0	<100.0	X		METHOXYCHLOR	10.0	<10.0	X	
CHLOROFORM	6.0	<6.0	X		METHYL ETHYL KETONE	200.0	<200.0	X	
CHROMIUM	5.0	<5.0	X		NITROBENZENE	2.0	<2.0	X	
O-CRESOL	200.0 (*)	<200.0 (*)	X		PENTACHLOROPHENOL	100.0	<100.0	X	
M-CRESOL	200.0 (*)	<200.0 (*)	X		PYRIDINE	5.0	<5.0	X	
P-CRESOL	200.0 (*)	<200.0 (*)	X		SELENIUM	1.0	<1.0	X	
CRESOL	200.0 (*)	<200.0 (*)	X		SILVER	5.0	<5.0	X	
2,4-DICHLOROPHENOXY-ACETIC ACID	10.0	<10.0	X		TETRACHLOROETHYLENE	0.7	<0.5	X	
1,4-DICHLOROBENZENE	7.5	<7.5	X		TOXAPHENE	0.5	<0.5	X	
1,2-DICHLOROETHANE	0.5	<0.5	X		TRICHLOROETHYLENE	0.7	<0.7	X	
1,1-DICHLOROETHYLENE	0.7	<0.7	X		2,4,5-TRICHLOROPHENOL	400.0	<400.0	X	
2,4-DINITROTOLUENE	0.13	<0.13	X		2,4,6-TRICHLOROPHENOL	2.0	<2.0	X	
ENDRIN	0.02	<0.02	X		2,4,5-TP (SILVEX)	1.0	<1.0	X	
HEPTACHLOR (and its epoxide)	0.008	<0.008	X		VINYL CHLORIDE	0.2	<0.2	X	

(*): IF O-, M-, AND P-CRESOL CONCENTRATIONS CANNOT BE DIFFERENTIATED, THE TOTAL CRESOL CONCENTRATION IS USED.

TOTAL METAL ANALYSIS

METAL	PPM	METAL	PPM	METAL	PPM	METAL	PPM
ARSENIC		CHROMIUM		SELENIUM		NICKEL	
BARIUM		MERCURY		SILVER		ZINC	
CADMIUM		LEAD		COPPER		IRON	

IS THIS WASTE CLASSIFIED AS A F001-F005, F039, D001, D002, OR D012-D043 WASTE? ___ YES X NO

IF YES, ENTER UNDERLYING HAZARDOUS CONSTITUENTS AND THEIR CONCENTRATIONS: _____

CHECK THE APPROPRIATE TOC CONCENTRATION: X ≥ 1% ___ < 1%

BENZENE WASTE OPERATIONS CERTIFICATION:

DOES THIS WASTE CONTAIN BENZENE WHICH IS REQUIRED TO BE MANAGED AND TREATED IN ACCORDANCE WITH THE PROVISIONS OF 40 CFR 61.342 SUBPART (f)(2)? ___ YES X NO

IF YES, ENTER THE FLOW-WEIGHTED ANNUAL AVERAGE BENZENE CONCENTRATION ___ (ppm) AND/OR THE TOTAL ANNUAL BENZENE QUANTITY IN ALL WASTE STREAMS _____ (Mg/YEAR)

GENERATOR'S CERTIFICATION:

I HEREBY CERTIFY THAT ALL INFORMATION WHICH I HAVE PROVIDED ABOVE DESCRIBES THE WASTE STREAM THAT IS BEING OR IS PROPOSED TO BE SENT TO BEAVER OIL COMPANY'S HODGKINS, ILLINOIS AND/OR GARY, INDIANA FACILITY. I UNDERSTAND IT IS MY RESPONSIBILITY TO PROPERLY IDENTIFY AND CLASSIFY MY MATERIAL IN ACCORDANCE WITH STATE AND/OR FEDERAL REGULATIONS. I ALSO CERTIFY THAT THE ABOVE INFORMATION IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

AUTHORIZED SIGNATURE: Alison Mellrich TITLE: Se Engineer DATE: 8/2/01

BEAVER OIL COMPANY WASTE SURVEY FORM

NOTICE (40 CFR 264.12): ACCEPTANCE OF THE GENERATOR'S WASTE INDICATES THAT BEAVER OIL HAS THE APPROPRIATE PERMITS FOR AND WILL ACCEPT THE WASTE THE GENERATOR IS SHIPPING.

GENERATOR NAME: Peoples GAS
FACILITY ADDRESS: 16659 North Kedzie Chicago IL 606645
BILLING NAME & ADDRESS IF DIFFERENT THAN GENERATOR: SET Environmental, INC. 450 Sumac Road Wheeling, IL 60090

FACILITY CONTACT: Alison Millerick
PHONE: 312 240 4832
ILL EPA GEN. #: 0316025027
US EPA GEN. #: ILD 984870139
MANIFEST MAILING ADDRESS IF DIFFERENT THAN GENERATOR: Alison Millerick Peoples Gas Light and Coke 130 East Randolph 20th Floor Chicago IL 60601

NAME OF WASTE: Vault water
PROCESS GENERATING WASTE: Oil and water from vault clean out
IS THIS A US EPA HAZARDOUS WASTE (40 CFR 261)? X YES ___ NO IF YES, ATTACH JUSTIFICATION
PLEASE PROVIDE APPLICABLE HAZARDOUS WASTE CODES: D018 ~~D5~~ oil residue in valve box
BROKER SET Environmental CONTACT Sue Mannis PHONE # 847-537-9221

PHYSICAL/CHEMICAL CHARACTERISTICS OF WASTE

COLOR	ODOR	PHYSICAL STATE @ 70 °F	LAYERS	SOLIDS PERCENTAGE
Black	X NONE ___ MILD ___ STRONG DESCRIBE ___	___ SOLID ___ SEMI-SOLID X LIQUID ___ POWDER	___ MULTI-LAYERED ___ BI-LAYERED X SINGLE PHASED	X < 5% ___ 40.1-60 % ___ 5.1-20% ___ 60.1-80% ___ 20.1-40% ___ 80.1-100% EXACT ___

pH	SPECIFIC GRAVITY	FLASH POINT	REACTIVITY
___ < 2.1 ___ 7.1-10 ___ 2.1-4.0 ___ 10.1-12.4 X 4.1-7.0 ___ 12.5-14.0 ___ NA EXACT ___	___ <0.8 ___ 1.3-1.4 X 0.8-1.0 ___ 1.5-1.7 ___ 1.1-1.2 ___ >1.7 EXACT ___	___ 140 °F-200 °F ___ OPEN CUP X >200 °F ___ CLOSED CUP ___ NO FLASH ___ EXACT	___ EXPLOSIVE ___ SHOCK SENSITIVE ___ RADIOACTIVE ___ ETIOLOGICAL X NA

CHEMICAL COMPOSITION (TOTAL MUST BE 100 %):

Water	95-99%	___	%
Cable oil	1-5%	___	%
Petroleum Hydrocarbons	0-1%	___	%

OTHER COMPONENTS - TOTAL (PPM)

CYANIDES	NS	PESTICIDES	NS
SULFIDES	___	HERBICIDES	___
PCBs	✓	CHLORINE	✓

SHIPPING INFORMATION

METHOD OF SHIPMENT:
X BULK LIQUID
___ DRUM (TYPE/SIZE) ___

ANTICIPATED VOLUME:
~1,000 GALLONS
___ DRUMS

PER:
___ ONE TIME ___ QUARTER ___ MONTH
___ WEEK X YEAR ___ ___

IS THIS A DOT HAZARDOUS WASTE? X YES ___ NO IF YES, HAZARDOUS CLASS ___
PROPER DOT SHIPPING NAME: Hazardous waste liquid, n.o.s. (Benzene)

APPROVED BY: ___ DATE: ___ WASTE CLASS: ___
APPROVAL #: ___
HW CODE(S): ___

WASTE CHARACTERISTICS

TABLE 40 CFR 261.24: MAXIMUM CONCENTRATION OF CONTAMINANTS FOR THE TOXICITY CHARACTERISTIC.
G = DETERMINATION MADE BY GENERATOR INVESTIGATION / A = DETERMINATION MADE BY ACTUAL ANALYSIS

TO THE GENERATOR: ANY WASTE WHICH CONTAINS CONSTITUENTS IN CONCENTRATIONS ABOVE THE REGULATORY LEVEL SHOWN CONSTITUTES THAT WASTE AS A HAZARDOUS WASTE.

CONSTITUENT	REGULATORY LEVEL (mg/L)	CONCEN-TRATION (mg/L)	G	A	CONSTITUENT	REGULATORY LEVEL (mg/L)	CONCEN-TRATION (mg/L)	G	A
ARSENIC	5.0	<5.0	Y		HEXACHLOROBENZENE	0.13	<0.13	Y	
BARIUM	100.0	<100.0	Y		HEXACHLOROBUTADIENE	0.5	<0.5	Y	
BENZENE	0.5	<0.5	Y		HEXACHLOROETHANE	3.0	<3.0	Y	
CADMIUM	1.0	<1.0	Y		LEAD	5.0	<5.0	Y	
CARBON TETRACHLORIDE	0.5	<0.5	Y		LINDANE	0.4	<0.4	Y	
CHLORDANE	0.03	<0.03	Y		MERCURY	0.2	<0.2	Y	
CHLOROBENZENE	100.0	<100.0	Y		METHOXYCHLOR	10.0	<10.0	Y	
CHLOROFORM	6.0	<6.0	Y		METHYL ETHYL KETONE	200.0	<200.0	Y	
CHROMIUM	5.0	<5.0	Y		NITROBENZENE	2.0	<2.0	Y	
O-CRESOL	200.0 (*)	<200.0 (*)	Y		PENTACHLOROPHENOL	100.0	<100.0	Y	
M-CRESOL	200.0 (*)	<200.0 (*)	Y		PYRIDINE	5.0	<5.0	Y	
P-CRESOL	200.0 (*)	<200.0 (*)	Y		SELENIUM	1.0	<1.0	Y	
CRESOL	200.0 (*)	<200.0 (*)	Y		SILVER	5.0	<5.0	Y	
2,4-DICHLOROPHENOXY-ACETIC ACID	10.0	<10.0	Y		TETRACHLOROETHYLENE	0.7	<0.6	Y	
1,4-DICHLOROBENZENE	7.5	<7.5	Y		TOXAPHENE	0.5	<0.5	Y	
1,2-DICHLOROETHANE	0.5	<0.5	Y		TRICHLOROETHYLENE	0.7	<0.7	Y	
1,1-DICHLOROETHYLENE	0.7	<0.7	Y		2,4,5-TRICHLOROPHENOL	400.0	<400.0	Y	
2,4-DINITROTOLUENE	0.13	<0.13	Y		2,4,6-TRICHLOROPHENOL	2.0	<2.0	Y	
ENDRIN	0.02	<0.02	Y		2,4,5-TP (SILVEX)	1.0	<1.0	Y	
HEPTACHLOR (and its epoxide)	0.008	<0.008	Y		VINYL CHLORIDE	0.2	<0.2	Y	

(*): IF O-, M-, AND P-CRESOL CONCENTRATIONS CANNOT BE DIFFERENTIATED, THE TOTAL CRESOL CONCENTRATION IS USED.

TOTAL METAL ANALYSIS

METAL	PPM	METAL	PPM	METAL	PPM	METAL	PPM
ARSENIC		CHROMIUM		SELENIUM		NICKEL	
BARIUM		MERCURY		SILVER		ZINC	
CADMIUM		LEAD		COPPER		IRON	

IS THIS WASTE CLASSIFIED AS A F001-F005, F039, D001, D002, OR D012-D043 WASTE? Y YES ___ NO

IF YES, ENTER UNDERLYING HAZARDOUS CONSTITUENTS AND THEIR CONCENTRATIONS: Dois

CHECK THE APPROPRIATE TOC CONCENTRATION: Y ≥ 1% ___ < 1%

BENZENE WASTE OPERATIONS CERTIFICATION:

DOES THIS WASTE CONTAIN BENZENE WHICH IS REQUIRED TO BE MANAGED AND TREATED IN ACCORDANCE WITH THE PROVISIONS OF 40 CFR 61.342 SUBPART (f)(2)? ___ YES X NO

IF YES, ENTER THE FLOW-WEIGHTED ANNUAL AVERAGE BENZENE CONCENTRATION ___ (ppm) AND/OR THE TOTAL ANNUAL BENZENE QUANTITY IN ALL WASTE STREAMS ___ (Mg/YEAR)

GENERATOR'S CERTIFICATION:

I HEREBY CERTIFY THAT ALL INFORMATION WHICH I HAVE PROVIDED ABOVE DESCRIBES THE WASTE STREAM THAT IS BEING OR IS PROPOSED TO BE SENT TO BEAVER OIL COMPANY'S HODGKINS, ILLINOIS AND/OR GARY, INDIANA FACILITY. I UNDERSTAND IT IS MY RESPONSIBILITY TO PROPERLY IDENTIFY AND CLASSIFY MY MATERIAL IN ACCORDANCE WITH STATE AND/OR FEDERAL REGULATIONS. I ALSO CERTIFY THAT THE ABOVE INFORMATION IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

AUTHORIZED SIGNATURE: Alan Millerick TITLE: SR ENGINEER DATE: 8/2/01

United Scrap

Metal Buyers and Recyclers
1545 South Cicero Avenue
Cicero, Illinois 60804
TEL 708-780-6800
FAX 708-780-0510
DISPATCH 708-780-0079

Dispatch Number

Date 9-7-01

Drivers Ticket

GreG

Start Time : 9 : 27

Arrive : 10 : 19

Depart :

End Time :

Customer: Peoples Energy

Address: Jobsite

Check One:
- [ ] Pick Up Only
- [ ] Pick Up & Drop
- [ ] Drop Only
- [x] Live Load
- [ ] Round Trip
- [ ] Wood Load

	P/U	DROP	Material
Skids (QTY)			
Gaylords (QTY)			
Drums (QTY)			
Totes (QTY)			
Hoppers (QTY)			
Other (State)			Scp Stl

Container Number:

Picked Up: R40H29

Dropped:

- [ ] Packing List Attached
- [ ] No Packing List

Cust Ref / Rls No.

Truck Number: 312

Driver Signature: [signature]

Customer Signature: [signature]

White: Office Copy Yellow: Customer Copy Blue: Driver Copy

EQ Tracking #_____

WASTE CHARACTERIZATION REPORT

TO EXPEDITE YOUR WASTE APPROVAL, PLEASE COMPLETE THIS FORM ENTIRELY

Please Choose One EQ Management Facility

☒ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. I-94 Service Drive Phone: 800-592-5489	Belleville, MI 48111 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & Chemical Waste Landfill)	49350 N. I-94 Service Drive Phone: 800-592-5489	Belleville, MI 48111 Fax: 800-592-5329	EPA ID # MID 048 090 633
☐ **Michigan Recovery Systems, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road Phone: 800-521-0998	Romulus, MI 48174 Fax: 734-326-9375	EPA ID # MID 060 975 844
☐ **EQIS – Transfer & Processing** (Drum Transfer/Non-Hazardous Liquid Processing)	1010 Old Rawsonville Road Phone: 734-547-1000	Ypsilanti, MI 48197 Fax: 734-480-9195	EPA ID # MIR 000 033 969

Section 1 - Generator & Customer Information

SIC # _____

Generator EPA ID # ILD984870139

Generator Peoples GAS

Facility Address 6659 N Kedzie Ave

City Chicago State IL Zip 60645

County Cook

Mailing Address (if different) 130 E Randolph 20th flr

City Chicago State IL Zip _____

Generator Contact Alison Millenck

Title _____

Phone 312 240 4832 Fax 312 240 4765

EQ Customer No. 1160

Invoicing Company SET Environmental, Inc.

Address 450 Sumac Road

City Wheeling State IL Zip 60090

Country _____

Invoicing Contact _____

Phone _____ Fax _____

Technical Contact Sue Mannis

Phone _____ Fax _____

Section 2 - Shipping and Packaging Information

2.1) Shipping volume: 2x55

Shipping frequency: ☒ One Time Only ☐ Annual

2.2) DOT shipping name _____

Density: _____ lbs./gallon or lbs./cubic yard (or) Specific Gravity: ____

2.3) Packaging : (**check all that apply**)

- ☐ Bulk Solid (Yd^3 < 2000 lbs/yd^3)
- ☐ Bulk Solid (Ton >2000 lbs/yd^3)
- ☐ Bulk Liquids (Gallons)
- ☐ Cubic Yard Boxes
- ☒ Drums
- ☐ Other (palletized, 5 gal. pails, etc.) _____

Quoted bulk disposal charges for solid materials will be billed by the cubic yd. if waste density is less than 2,000 lbs. per cubic yd. If waste density is greater than 2,000 lbs. per cubic yd., then bulk disposal charges will be billed by the ton regardless of the approved container.

Section 3 - Physical Characteristics

WASTE COMMON NAME: PPE/Debris

3.1) Color (describe): Varies

3.2) Odor (describe): None

3.3) Physical state at 70 °F: (**check all that apply**)

☒ Solid ☐ Dust ☐ Liquid ☐ Sludge

3.4) Does this waste contain?: (**check all that apply**)

☐ Free Liquids ☐ Metal fines ☐ Powders ☐ Oily residue

☐ Biodegradable sorbants ☒ NONE

3.5) Does this waste contain?: (**check all that apply**) ☒ NONE

- ☐ Asbestos - friable
- ☐ Asbestos - non-friable
- ☐ Dioxins
- ☐ Furans
- ☐ Biohazard
- ☐ Pyrophoric waste
- ☐ Reactive waste
- ☐ Shock Sensitive waste
- ☐ Radioactive waste
- ☐ Explosives

3.6) Describe the composition of the waste (i.e. key chemical compounds, soil, water, ppe, debris, etc.):

PPE	70 to 80 %
Dirt/grime	5 to 10 %
Debris (paper/plastic)	10 to 30 %
	___ to ___ %
	Total = 100 %

3.7) Does this waste contain > 50% contaminated soil? ☐ Yes ☒ No

3.8) Does this waste contain > 50% debris by volume? ☐ Yes ☒ No (debris is greater than 2.5 inches in size)

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4.1) Provide a *detailed* description of the process (es) generating this waste (attach flow diagram if available):

PPE and debris from manhole cleanout

Based upon RCRA waste regulations (40 CFR 261) and Michigan Act 451 Rules: Waste Code(s)

4.2) Is this an **EPA RCRA** listed hazardous waste (F, K, P or U)? ☐ Yes ☒ No

4.3) Is this a **MICHIGAN** hazardous waste (Other than RCRA)? ☐ Yes ☒ No

4.4) Is this a **MICHIGAN** nonhazardous liquid industrial waste? ☐ Yes ☒ No

4.5) Is this a **UNIVERSAL** waste? ☐ Yes ☒ No

4.6) Does this waste exceed **LDR** treatment standards? ☐ Yes ☒ No

4.7) Is this an **EPA RCRA** characteristic hazardous waste (D001-D043)? ☐ Yes ☒ No

4.8) What is the flash point of this waste? ☐ <90°F ☐ 90-140°F ☐ 140-199°F ☒ >200°F

4.9) Is the waste an oxidizer? ☐ Yes ☒ No

4.10) What is the pH of this waste? ☐ <2 ☐ 2-4.9 ☒ 5-10 ☐ 10.1-12.4 ☐ ≥12.5

4.11) Does this waste contain reactive cyanide ≥ 250 ppm? ☐ Yes ☒ No

4.12) Does this waste contain reactive sulfide ≥ 500 ppm? ☐ Yes ☒ No

4.13) Is the waste surcharge exempt? (attach surcharge form) ☐ Yes ☒ No

Code		Regulatory Level TCLP (mg/L)	Concentration (if above)
D004	Arsenic	5	☒ Below ☐ Above ____
D005	Barium	100	☒ Below ☐ Above ____
D006	Cadmium	1	☒ Below ☐ Above ____
D007	Chromium	5	☒ Below ☐ Above ____
D008	Lead	5	☒ Below ☐ Above ____
D009	Mercury	0.2	☒ Below ☐ Above ____
D010	Selenium	1	☒ Below ☐ Above ____
D011	Silver	5	☒ Below ☐ Above ____
D012	Endrin	0.02	☒ Below ☐ Above ____
D013	Lindane	0.4	☒ Below ☐ Above ____
D014	Methoxychlor	10	☒ Below ☐ Above ____
D015	Toxaphene	0.5	☒ Below ☐ Above ____
D016	2,4-D	10	☒ Below ☐ Above ____
D017	2,4,5-TP(Silvex)	1	☒ Below ☐ Above ____
D018	Benzene	0.5	☒ Below ☐ Above ____
D019	CarbonTetrachloride	0.5	☒ Below ☐ Above ____
D020	Chlordane	0.03	☒ Below ☐ Above ____
D021	Chlorobenzene	100	☒ Below ☐ Above ____
D022	Chloroform	6.0	☒ Below ☐ Above ____
D023	o-Cresol	200	☒ Below ☐ Above ____

Code		Regulatory Level TCLP (mg/L)	Concentration (if above)
D024	m-Cresol	200	☒ Below ☐ Above ____
D025	p-Cresol	200	☒ Below ☐ Above ____
D026	Cresols	200	☒ Below ☐ Above ____
D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above ____
D028	1,2-Dichloroethane	0.5	☒ Below ☐ Above ____
D029	1,1-Dichloroethylene	0.7	☒ Below ☐ Above ____
D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above ____
D031	Heptachlor	0.008	☒ Below ☐ Above ____
D032	Hexachlorobenzene	0.13	☒ Below ☐ Above ____
D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above ____
D034	Hexachloroethane	3.0	☒ Below ☐ Above ____
D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above ____
D036	Nitrobenzene	2	☒ Below ☐ Above ____
D037	Pentachlorophenol	100	☒ Below ☐ Above ____
D038	Pyridine	5	☒ Below ☐ Above ____
D039	Tetrachloroethylene	0.7	☒ Below ☐ Above ____
D040	Trichloroethylene	0.5	☒ Below ☐ Above ____
D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above ____
D042	2,4,6-Trichlorophenol	2	☒ Below ☐ Above ____
D043	Vinyl Chloride	0.2	☒ Below ☐ Above ____

4.14) The hazardous constituent information is based on: ☐ Analysis (Please attach for review) ☒ Generator Knowledge ☐ Both

4.15) If this is a characteristic (D-coded) hazardous waste, does it contain underlying hazardous constituents (List in Section5)? ☐ Yes ☐ No ☒ N/A

Section 5 - Constituent Information

Review the following items in the EQ Resource Guide and indicate their concentrations below:

1) **MVOC** (Michigan Volatile Organic Compounds) 2) **CCVOC** (Subpart CC Volatile Organic Compounds)
3) **UHC** (Underlying Hazardous Constituents) 4) **TRI** (Toxic Release Inventory Constituents)

Indicate all constituents in your waste stream, their concentrations, and circle Yes or No for UHC:

UHC?		UHC?	
Yes-No		Yes-No	
Yes-No		Yes-No	
Yes-No		Yes-No	

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Section 6 - PCB & TSCA Information

6.1) What is the concentration of PCBs in the waste? ☒ None ☐ 0-5 ppm ☐ 5-49 pp ☐ 50-499ppm ☐ 500+ppm

6.2) Does the waste contain PCB contamination from a source with a concentration ≥50 ppm? ☐ Yes ☒ No

6.3) Does this waste contain free liquids? (use paint filter test) ☐ Yes ☒ No

6.4) Has this waste been processed into a non-liquid form? ☐ Yes ☒ No

If yes, what was the concentration of PCBs prior to processing? ☒ N/A ☐ 0-499 ppm ☐ 500+ ppm

6.5) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☒ No

6.6) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☒ No

6.7) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☒ N/A ☐ Yes ☐ No

Section 7 - Benzene NESHAP Information

NESHAP SIC CODES		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2899
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

7.1) Does this waste stream contain Benzene? (If "no" to 7.1, please skip to section 8.) ☐ Yes ☒ No

7.2) Does the waste stream come from a facility with one of the SIC codes listed under NESHAP? ☐ Yes ☒ No

7.3) Does your company manage wastes from facilities with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☒ No

➔ *If you answered "NO" to question 7.2 AND 7.3 please skip to Section 8.*

7.4) Does the waste contain >10 % water? ☒ Yes ☐ No

7.5) What is the TAB quantity for your facility? _____ Mg/Year

7.6) Does the waste contain >1.0 mg/kg total Benzene? ☒ Yes ☐ No

7.7) What is the total Benzene concentration in your waste? _____ percent or _____ ppmw.

(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602, and 624.)

Section 8 - Waste Constituent Information

➔ **COMPLETE FOR MICHIGAN DISPOSAL WASTE TREATMENT PLANT, WAYNE DISPOSAL, AND EQ/IS T&P**

8.1) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? ☐ Yes ☒ No

8.2) Does this waste contain any MVOC constituents as defined in the EQ Resource Guide? ☐ Yes ☒ No

8.3) Is this waste subject to Subpart CC regulation (i.e., contain ≥500ppm (VOCs) Volatile Organic Compounds)? ☐ Yes ☒ No

➔ *If 8.1, 8.2 or 8.3 is "yes" - please indicate the constituents and their concentrations in the table provided in Section 5*

Section 9 - Reclamation/Recycling/Fuel Blending

➔ Complete for Michigan Renewable Energy ONLY

9.1) Heat value (BTU/lb): _____ Chlorine(%): _____ Water (%): _____ Solids (%): _____

9.2) Is this material a recoverable petroleum product? ☐ Yes ☐ No 9.3) Is this material for wastewater treatment? ☐ Yes ☐ No

➔ If 9.1 or 9.2 is "yes" - please attach the Wastewater Addendum Form found in the EQ Resource Guide.

Section 10 - Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature: Alison Millerick Printed Name: ALISON MILLERICK

Company: The Peoples Gas Light & Coke Co. Title: Sr. Engineer Date: 8/2/01

The generator's signature must appear on the EQ Waste Characterization Report. If the generator has authorized a third-party to certify this document, a written notice (on generator letterhead) must accompany this submittal.
Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

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PEOPLES
ENERGY

Peoples Gas
North Shore Gas

November 6, 2001

Mr. Joseph Kash
Regional Compliance Manager
Waste Management
5245 West 38th Street
Cicero, IL 60804

Re: CID BioPlant Profile PB7935

Dear Joe,

As we have discussed previously Peoples Gas would like to amend the above referenced waste profile to include excavation water from another manufactured gas plant remediation site. The address and pertinent identification numbers for the additional site is as follows:

- Address: 6659 N Kedzie.
- Illinois EPA ID#: 0316025027
- USEPA/Federal ID#: ILD984870139

All other generator information contained in Section A. Waste Generator Information of the original Waste Profile Sheet remains the same. The original waste profile characterization and analytical information is representative of the excavation water at the Kedzie site. If you have any questions I can be reached at (312) 240-4832.

Sincerely,

Alison E. Millerick

Alison E. Millerick
Sr. Engineer
Environmental Affairs

cc: S. Mannis, SET Environmental
M. Kelley, Burns & McDonnell

130 East Randolph Dr • Chicago IL 60601 • (312)240-4000

APPENDIX E
AMBIENT AIR MONITORING DOCUMENTATION
(Equipment Calibration Sheets, Real-Time Air Monitoring Results, and Corrective Action Sheets)

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: West
Date: 7-19-01

Sampler: Courtney Marshoffer
Weather: Hot, Sunny, Humid 88°

Time	PID Make: ~~MiniRAE~~ Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: ~~MiniRAM~~ MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
12:00	Not Functioning	0.074	–	–	No Excavation
1:00		0.064	–	–	–
2:00		0.070	–	–	–
3:00		0.100	–	–	–

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: North
Date: 7-19-01

Sampler: Courtney Martinson
Weather: Hot, Sunny, Humid

Time	PID Make: ~~MINIRAE~~ Model: MINIRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: ~~MINIRAM~~ MIE Model: MINIRAM ID: 02867	Benzene (ppm)	Odors	Remarks
12:00	Not Functioning	0.064	–	–	No Excavation
1:00		0.067	–	–	–
2:00		0.071	–	–	–
3:00		0.111	–	–	–

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 7-19-01

Sampler: Courtney Manthorpe
Weather: Hot, Sunny, Humid

Time	PID Make: Model: MINIRAE ID: 110-002141	Dust Meter (mg/m^3) Make: ~~MINIRAM~~ MIE Model: MINIRAM ID: 020667	Benzene (ppm)	Odors	Remarks
12:00	Not Functioning	0.067	—	—	No Excavation
1:00		0.066	—	—	—
2:00		0.067	—	—	—
3:00		0.087	—	—	—

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 7-19-01

Sampler: Courtney Marhoefer
Weather: Hot, Sunny, Humid

Time	PID Make: ~~Mini RAE~~ Model: MINIRAE ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
12:00	Not functioning	0.076	—	—	No excavation
1:00		0.069	—	—	—
2:00		0.068	—	—	—
3:00		0.080	—	—	—

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: N
Date: 7-20-01

Sampler: Courtney Marhoffer
Weather: Hot, Sunny, Humid, Hazy

Time	PID Make: MiniRAE 2000 Model: ID: 110-001464	Dust Meter (mg/m^3) Make: M/E Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:30am	—	0.108	—	—	NO EXCAVATION
9:30pm	0.0	0.070	—	—	—
10:30am	0.0	0.067	—	—	—
11:30am	0.0	0.072	—	—	—
12:30pm	0.0	0.088	—	—	—
1:30pm	0.0	0.090	—	—	—

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: S
Date: 7-20-01

Sampler: Courtney Martofer
Weather: Hot, Sunny, Humid, Hazy

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-001464	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:30 am	—	0.130	—	—	No Excavation
9:30 am	0.0	0.070	—	—	—
10:30 am	0.0	0.074	—	—	—
11:30 am	0.0	0.085	—	—	—
12:30 pm	0.0	0.067	—	—	—
1:30 pm	0.0	0.075	—	—	—

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: E
Date: 7-20-01

Sampler: Courtney Marthofer
Weather: Hot, Sunny, Humid, Hazy

Time	PID Make: Rae Systems Model: MiniRAE 2000 ID: 110-001464	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:30am	—	0.146	—	—	No excavation
9:30am	0.0	0.072	—	—	—
10:30am	0.0	0.077	—	—	—
11:30am	0.0	0.082	—	—	—
12:30pm	0.0	0.094	—	—	—
1:30pm	0.0	0.090	—	—	—

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: W
Date: 7-20-01

Sampler: Courtney Marthoefer
Weather: Hot, Sunny, Humid, Hazy

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-001464	Dust Meter (mg/m³) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:30am	—	0.135	—	—	No Excavation
9:30 am	0.0	0.066	—	—	—
10:30am	0.0	0.070	—	—	—
11:30am	0.0	0.070	—	—	—
12:30pm	0.0	0.091	—	—	—
1:30pm	0.0	0.092	—	—	—

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: H
Date: 7-23-01

Sampler: Courtney Martinson
Weather: Hot, Humid, Sunny
Afternoon Rain

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: ~~00750~~ 110-001464	Dust Meter (mg/m³) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.067	–	–	Driving Street Paving
9:00am	0.0	0.074	–	–	–
10:00am	0.0	0.114	–	–	–
11:00am	0.0	0.105	–	–	–
12:00pm	0.0	0.093	–	–	–
1:00pm	0.0	0.087	–	–	–
2:00pm	0.0	0.075	–	–	–
3:00pm	–	–	–	–	Raining

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: S
Date: 7-23-01

Sampler: Courtney Marhoefer
Weather: Hot, Humid, Sunny
Afternoon Rain

Time	PID Make: RAE Systems Model: MiniRAE ID: 110-001464	Dust Meter (mg/m^3) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.074	–	–	Driving Sheet Piling
9:00am	0.0	0.066	–	–	–
10:00am	0.0	0.098	–	–	–
11:00am	0.0	0.124	–	–	–
12:00pm	0.0	0.083	–	–	–
1:00pm	0.0	0.092	–	–	–
2:00pm	0.0	0.073	–	–	–
3:00pm	–	–	–	–	Raining

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: W
Date: 7-23-01

Sampler: Courtney Marhoefer
Weather: Hot, Humid, Sunny
Afternoon Rain

Time	PID Make: RAE Systems Model: MiniRAE ID: 110-001464	Dust Meter (mg/m^3) Make: MIE Model: MINRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.077	–	–	Driving Sheet Piling
9:00am	0.0	0.080	–	–	–
10:00am	0.0	0.110	–	–	–
11:00am	0.0	0.118	–	–	–
12:00pm	0.0	0.099	–	–	–
1:00pm	0.0	0.110	–	–	–
2:00pm	0.0	0.074	–	–	–
3:00pm	–	–	–	–	Raining

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: E
Date: 7-23-01

Sampler: Courtney Marhoefer
Weather: Hot, Humid, Sunny
Afternoon Rain

Time	PID Make: RAE Systems Model: MiniRAE ID: 110-001464	Dust Meter (mg/m^3) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am.	0.0	0.065	–	–	Driving Sheet Piling
9:00am	0.0	0.064	–	–	–
10:00am	0.0	0.134	–	–	–
11:00am	0.0	0.101	–	–	–
12:00pm	0.0	0.110	–	–	–
1:00pm	0.0	0.092	–	–	–
2:00pm	0.0	0.075	–	–	–
3:00pm	–	–	–	–	Raining

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: N
Date: 7-24-01

Sampler: Courtney Markhoffer
Weather: Hot, Sunny, Humid, Clear Sky

Time	PID Make: RAESystems Model: MiniRAE 2000 ID: 110-001464	Dust Meter (mg/m^3) Make: MIE Model: MiniRAM ID: 62067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.066	–	–	Driving Sheet
9:00am	0.0	0.022	–	–	Piling,
10:00am	0.0	0.018	–	–	Taking Down
11:00am	0.0	0.022	–	–	S. Fence
12:00pm	0.0	0.018	–	–	
1:00pm	0.0	0.015	–	–	
2:00pm	0.0	0.019	–	–	
3:00pm	0.0	0.020	–	–	

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: S
Date: 7-24-01

Sampler: Courtney Waghoffer
Weather: Hot, Humid, Sunny

Time	PID Make: RAE Systems Model: MINIRAE 2000 ID: 110-001464	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00 am	0.0	0.084	–	–	Driving Sheet
9:00 am	0.0	0.037	–	–	Piling,
10:00 am	0.0	0.010	–	Yes	Taking Down
11:00 am	0.0	0.014	–	–	S. Fence
12:00 pm	0.0	0.013	–	–	Removed
1:00 pm	0.0	0.015	–	–	Sheet Pile Wall
2:00 pm	0.0	0.017	–	–	Obstruction -
3:00 pm	0.0	0.021	–	–	Brought up Some
					Coal Tar

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: E
Date: 7-24-01

Sampler: Courtney Maritzoffer
Weather: Hot, Sunny, Humid

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110--001464	Dust Meter (mg/m^3) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.070	–	–	Driving Street
9:00am	0.0	0.023	–	–	Pulling,
10:00am	0.0	0.017	–	–	Taking Down
11:00am	0.0	0.019	–	–	S. Fence
12:00pm	0.0	0.020	–	–	
1:00pm	0.0	0.018	–	–	
2:00pm	0.0	0.020	–	–	
3:00pm	0.0	0.014	–	–	

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: W
Date: 7-24-01

Sampler: Courtney Martinovich
Weather: Hot, Sunny, Humid

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-001464	Dust Meter (mg/m³) Make: MIE Model: MiniRam ID: 020667	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.062	—	—	Driving Street
9:00am	0.0	0.019	—	—	Piling,
10:00am	0.0	0.020	—	—	Taking Down
11:00am	0.0	0.015	—	—	S. Fence
12:00pm	0.0	0.017	—	—	
1:00pm	0.0	0.022	—	—	
2:00pm	0.0	0.016	—	—	
3:00pm	0.0	0.020	—	—	

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: N
Date: 7-25-01

Sampler: Courtney Martoffer
Weather: Cloudy, Rain, Mild

Time	PID Make: RAESystems Model: MiniRAE 2000 ID: 110-001464	Dust Meter (mg/m^3) Make: MIE Model: MiniRAM ID: 02007	Benzene (ppm)	Odors	Remarks
8:00am	–	–	–	–	Begin Surface
9:00am	–	–	–	–	Excavation
10:00am	–	–	–	–	No Reading due
11:00am	–	–	–	–	to Rain
12:00pm	0.0	0.018	–	–	
1:00pm	0.0	0.019	–	–	
2:00pm	0.0	0.021	–	–	
3:00pm	0.0	0.017	–	–	

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: S
Date: 7-25-01

Sampler: Courtney Warhopper
Weather: Cloudy, Rain, mild

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-001464	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	–	–	–	–	BEGIN SURFACE
9:00am	–	–	–	–	EXCAVATION
10:00am	–	–	–	–	NO READINGS
11:00am	–	–	–	–	DUE TO RAIN
12:00pm	0.0	0.017	–	–	
1:00pm	0.0	0.016	–	–	
2:00pm	0.0	0.014	–	–	
3:00pm	0.0	0.017	–	–	

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: E
Date: 7-25-01

Sampler: Courtney Marhoffer
Weather: Cloudy, Rain, Mild

Time	PID Make: RAE Systems 2000 Model: Mini RAE 2000 ID: 110-001464	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 020607	Benzene (ppm)	Odors	Remarks
8:00am	–	–	–	–	Begin Surface
9:00am	–	–	–	–	Excavation
10:00am	–	–	–	–	No Readings
11:00am	–	–	–	–	Due to Rain
12:00pm	0.0	0.015	–	–	
1:00pm	0.0	0.012	–	–	
2:00 pm	0.0	0.020	–	–	
3:00 pm	0.0	0.019	–	–	

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: W
Date: 7-25-01

Sampler: Courtney Marthofer
Weather: Rain, Cloudy, Mild

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-001464	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	–	–	–	–	Begin Surface
9:00am	–	–	–	–	Excavation
10:00am	–	–	–	–	No Readings
11:00am	–	–	–	–	Due to Rain
12:00pm	0.0	0.019	–	–	
1:00pm	0.0	0.027	–	–	
2:00pm	0.0	0.025	–	–	
3:00pm	0.0	0.024	–	–	

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: N
Date: 7-26-01

Sampler: Courtney Machoefer
Weather: Sunny, Mild

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-001464	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.008	—	—	~~EXCAVATION TO 12'~~
9:00 am	0.0	0.014	—	—	—
10:00am	0.0	0.013	—	—	—
11:00am	0.0	0.020	—	—	—
12:00pm	0.0	0.019	—	—	—
1:00pm	0.0	0.012	—	—	—
2:00pm	0.0	0.020	—	—	—
3:00pm	0.0	0.009	—	—	—

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: S
Date: 7-26-01

Sampler: Courtney Marhoefer
Weather: Sunny, Mild

Time	PID Make: RAE Systems Model: MINI RAE 2000 ID: 110-001464	Dust Meter (mg/m^3) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.018	—	—	EXCAVATION TO 12'
9:00am	0.0	0.015	—	—	—
10:00am	0.0	0.008	—	—	—
11:00am	0.0	0.017	—	—	—
12:00pm	0.0	0.009	—	—	—
1:00pm	0.0	0.014	—	—	—
2:00pm	0.0	0.025	—	—	—
3:00pm	0.0	0.009	—	—	—

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: E
Date: 7-26-01

Sampler: Courtney Marhoefer
Weather: Sunny, Mild

Time	PID Make: RAE Systems Model: MINIRAE 2000 ID: 110-001464	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00 am	0.0	0.014	–	–	–
9:00 am	0.0	0.012	–	–	–
10:00 am	0.0	0.010	–	–	–
11:00 am	0.0	0.008	–	–	–
12:00 pm	0.0	0.001	–	–	–
1:00 pm	0.0	0.017	–	–	–
2:00 pm	0.0	0.027	–	–	–
3:00 pm	0.0	0.011	–	–	–

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: W
Date: 7-26-01

Sampler: Courtney Marthoofer
Weather: Sunny, Mild

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-001464	Dust Meter (mg/m^3) Make: MIE Model: Mini RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.015	–	–	–
9:00am	0.0	0.013	–	–	–
10:00am	0.1	0.020	–	–	–
11:00am	0.0	0.022	–	–	–
12:00pm	0.0	0.018	–	–	–
1:00pm	0.0	0.024	–	–	–
2:00pm	0.0	0.027	–	–	–
3:00pm	0.0	0.128	–	–	–

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: SOUTH
Date: 7-27-01

Sampler: Kim Nichols
Weather: 70-80°F, Sunny

Time	PID Make: RAE Model: MiniRAE 200 ID: Pine	Dust Meter (mg/m^3) Make: MIE Model: DataRAM ID: 02067	Benzene (ppm)	Odors	Remarks
0720	0.0	0.000	NA	None	Loading special waste into the trucks
0820	0.0	0.000	"	None	Excavating special waste
0920	0.0	0.000	NA	None	Loading special waste into trucks
10.15	0.0	0.000	"	"	No activity
1120	0.0	0.000	"	"	Loading trucks
1220	0.0	0.000	"	"	Loading trucks
1320	0.0	0.000	"	"	No activity

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: East
Date: 7-27-01

Sampler: Kim Nichols
Weather: 70-80°F, Sunny

Time	PID Make: Rae Model: MiniRae 200 ID: Pini	Dust Meter (mg/m³) Make: MIE Model: DataRAM ID: 02067	Benzene (ppm)	Odors	Remarks
0735	0.0	0.000	NA	None	Loading trucks with special waste
0833	0.0	0.000	NA	"	Excavating special waste
0933	0.0	0.00	NA	"	Loading trucks
1028	0.0	0.00	"	"	No Activity
1133	0.0	0.00	"	"	Loading Trucks
1233	0.0	0.00	"	"	No Activity
1333	0.0	0.00	"	"	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: West
Date: 7/27/01

Sampler: Kim Nichols
Weather: 70-80°F, Sunny

Time	PID Make: Rae Model: MiniRae 200 ID: Pine	Dust Meter (mg/m³) Make: MIE Model: DataRAM ID: 02067	Benzene (ppm)	Odors	Remarks
0725	0.0	0.000	NA	mild, due to wind dir.	loading special waste into trucks
0825	0.0	0.000	"	"	excavating special waste
0925	0.0	0.000	"	"	Loading trucks
1020	0.0	0.000	"	mild to none	No Activity
1125	0.0	0.000	"	" "	Loading Trucks
1225	0.0	0.000	"	" "	Loading Truck
1325	0.0	0.000	"	" "	No activity

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 7-27-01

Sampler: Kim Nichols
Weather: 70-80°F, Sunny

Time	PID Make: Mini Model: Rae 200 ID: Rae	Dust Meter (mg/m³) Make: MIE Model: Pataram ID: 02067	Benzene (ppm)	Odors	Remarks
0730	0.0	0.000	N/A	None to Little	Loading special waste into trucks
0830	0.0	0.000	NA	"	Excavating special waste
0930	0.0-0.1	0.014 — Truck passed by	N/A	None	Loading special waste into trucks
1025	0.0	0.000	NA	None	No Activity
1130	0.0	0.000	"	"	Loading Trucks
1230	0.0	0.000	"	"	No Activity
1330	0.0	0.000	"	"	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: North
Date: 7-30-01

Sampler: Courtney Marchoffer
Weather: 90°, Sunny, Hot

Time	PID Make: Photovac Model: Mini Rae 2000 ID: 110-001464	Dust Meter (mg/m³) Make: MIE Model: Mini Ram ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	Not Functioning	0.000	–	–	Excavating Special Waste
9:00 am		0.000	–	–	No Activity
10:00am		0.000	–	–	Excavating Special Waste/Loading
11:00 am		0.000	–	–	& "
12:00 pm		0.000	–	–	No Activity
1:00 pm		0.000	–	–	"
2:00 pm		0.000	–	–	Excavating Special Waste
3:00pm		0.000	–	–	Excavating/ Loading Special Waste

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 7-30-01

Sampler: Courtney Markhoffer
Weather: 90°, Sunny, Hot

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-001964	Dust Meter (mg/m^3) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00 am	Not Functioning	0.000	—	—	Excavating Special Waste
9:00 am		0.000	—	—	No Activity
10:00 am		0.000	—	—	Loading/Excavating Special Waste
11:00 am		0.000	—	—	"
12:00 pm		0.000	—	—	No Activity
1:00 pm		0.000	—	—	"
2:00 pm		0.000	—	—	Excavating Special Waste
3:00 pm		0.000	—	—	Loading Special Waste

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: West
Date: 7-30-01

Sampler: Courtney Marthoefer
Weather: 90°, Hot, Sunny

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-001464	Dust Meter (mg/m³) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00 am	Not Functioning	0.000	—	—	Excavating Special Waste
9:00 am		0.000	—	—	No Activity
10:00 am		0.000	—	—	Excavating/Loading Special Waste
11:00 am		0.000	—	—	"
12:00 pm		0.000	—	—	No Activity
1:00 pm		0.000	—	—	"
2:00 pm		0.000	—	—	Excavating Special Waste
3:00 pm		0.000	—	—	Excavating/Loading Special Waste

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 7-30-01

Sampler: Courtney Marchuppex
Weather: 90°, Hot, Sunny

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-001464	Dust Meter (mg/m³) Make: MIE Model: MINIRAM ID: 07067	Benzene (ppm)	Odors	Remarks
8:00am	Not Functioning	0.000	—	—	Excavating Special Waste
9:00am		0.000	—	—	No Activity
10:00am		0.000	—	—	Excavating/Loading Special Waste
11:00am		0.000	—	—	"
12:00pm		0.000	—	—	No Activity
1:00pm		0.000	—	—	"
2:00pm		0.000	—	—	Excavating Special Waste
3:00pm		0.000	—	—	Excavating/Loading Special Waste

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: North
Date: 7-31-01

Sampler: Courtney Marhoefer
Weather: Hot, Sunny, Heat Advisory

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-001464	Dust Meter (mg/m^3) Make: MIE Model: Mini Ram ID: 02007	Benzene (ppm)	Odors	Remarks
8:00am	Not Functioning	0.000	—	—	Excavating Special Waste
9:00am		0.000	—	—	No Activity
10:00am		0.000	—	—	Dumping Fill Loading Special Waste
11:00am		0.000	—	—	Loading Special Waste
12:00pm		0.000	—	—	~~Loading Special~~ No Activity
1:00pm		0.000	—	—	Loading Special Waste
2:00pm		0.000	—	—	Loading Special Waste
3:00pm		0.000	—	—	No Activity

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 7-31-01

Sampler: Courtney Wurthoeffer
Weather: Hot, Sunny, Heat Advisory

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-001464	Dust Meter (mg/m³) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	Not Functioning	0.000	—	—	Excavating Special Waste
9:00am		0.000	—	—	No Activity
10:00am		0.000	—	—	Dumping Fill Loading Special Waste
11:00am		0.000	—	—	Loading Special Waste
12:00pm		0.000	—	—	No Activity
1:00pm		0.000	—	—	Loading Special Waste
2:00pm		0.000	—	—	Loading Special Waste
3:00pm		0.000	—	—	No Activity

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 7-31-01

Sampler: Courtney Marhoffer
Weather: Hot, Sunny
Heat Advisory

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-001464	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	Not Functioning	0.000	–	–	Excavating Special Waste
9:00am		0.000	–	–	No Activity
10:00am		0.000	–	–	Dumping Fill Loading Special Waste
11:00am		0.000	–	–	Loading Special Waste
12:00pm		0.000	–	–	No Activity
1:00pm		0.000	–	–	Loading Special Waste
2:00pm		0.000	–	–	Loading Special Waste
3:00pm		0.000	–	–	No Activity

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 7-31-01

Sampler: Courtney Marhoffer
Weather: Hot, Sunny
~~Heat~~ Advisory

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-001464	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	Not Functioning	0.000	–	–	Excavating Special Waste
9:00am		0.000	–	–	No Activity
10:00am		0.000	–	–	Dumping Fill Loading Special Waste
11:00am		0.000	–	–	Loading Special Waste
12:00pm		0.000	–	–	No Activity
1:00pm		0.000	–	–	Loading Special Waste
2:00pm		0.000	–	–	Loading Special Waste
3:00pm		0.000	–	–	No Activity

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 8-1-01

Sampler: COURTNEY MARHOFFER
Weather: HOT, HEAT WARNING SUNNY

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-001464	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	NO ACTIVITY
9:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	DUMPING FILL EXCAVATING SPECIAL WASTE
12:00pm	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: SOUTH
Date: 8-1-01

Sampler: COURTNEY WARTHOFFER
Weather: HOT, SUNNY, HEAT WARNING

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-004464 2141	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	NO ACTIVITY
9:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	DUMPING FILL EXCAVATING SPECIAL WASTE
12:00pm	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 8-1-01

Sampler: Courtney Warhoffen
Weather: Hot, Sunny, Heat Warning

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-001464 2141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	No Activity
9:00am	0.0	0.000	–	–	Excavating Special Waste
10:00am	0.0	0.000	–	–	"
11:00am	0.0	0.000	–	–	Dumping Fill / Excavating Special Waste
12:00pm	0.0	0.000	–	–	"
1:00pm	0.0	0.000	–	–	"
2:00pm	0.0	0.000	–	–	"
3:00pm	0.0	0.000	–	–	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 8-1-01

Sampler: Courtney Warhopper
Weather: HOT, Sunny, HEAT WARNING

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-001464 2141	Dust Meter (mg/m^3) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	No Activity
9:00am	0.0	0.000	—	—	Excavating Special Waste
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	Dumping Bill/ Excavating Special Waste
12:00pm	0.0	0.000	—	—	"
1:00pm	0.1	0.000	—	Coal Tar Odor From Pit	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 8-02-01

Sampler: COURTNEY MARHOEFER
Weather: RAIN, HOT 88°

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	—	—	—	—	NO READINGS DUE TO RAIN
9:00am	—	—	—	—	"
10:00am	—	—	—	—	"
11:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
12:00pm	0.0	0.000	—	—	NO ACTIVITY
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 8-02-01

Sampler: Courtney Markhoefer
Weather: Rain, Hot 88°

Time	PID Make: RAESystems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	—	—	—	—	No Readings Due to Rain
9:00am	—	—	—	—	"
10:00am	—	—	—	—	"
11:00am	0.0	0.000	—	—	Excavating Special Waste
12:00pm	0.0	0.000	—	—	No Activity
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 8-02-01

Sampler: COURTNEY MARHOEFER
Weather: RAIN, HOT 88°

Time	PID Make: RAESYSTEMS Model: MINIRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	—	—	—	—	NO READINGS DUE TO RAIN
9:00am	—	—	—	—	"
10:00am	—	—	—	—	"
11:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
12:00pm	0.0	0.000	—	—	NO ACTIVITY
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 8-02-01

Sampler: COURTNEY MARKHOFFER
Weather: RAIN, HOT 88°

Time	PID Make: RAESYSTEMS Model: MINI RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	—	—	—	—	NO READINGS DUE TO RAIN
9:00am	—	—	—	—	"
10:00am	—	—	—	—	"
11:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
12:00pm	0.0	0.000	—	—	NO ACTIVITY
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 8-3-01

Sampler: COURTNEY MARKHOEFER
Weather: CLOUDY, HOT, HUMID

Time	PID Make: RAESYSTEMS Model: MINIRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	EXCAVATING/LOADING DUMPING SPECIAL WASTE FILL
9:00am	0.0	0.000	–	–	"
10:00am	0.0	0.000	–	–	"
11:00am	0.0	0.000	–	–	"
12:00pm	0.0	0.000	–	–	"
1:00pm	0.0	0.000	–	–	"
2:00pm	0.0	0.000	–	–	~~NO ACTIVITY~~ PUMPING WATER

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 8-3-01

Sampler: Courtney Markhoefer
Weather: Cloudy, Hot, Humid

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00 am	0.0	0.000	–	–	EXCAVATING/LOADING, DUMPING SPECIAL WASTE ~~WASTE~~ FILL
9:00 am	0.0	0.000	–	–	"
10:00 am	0.0	0.000	–	–	"
11:00 am	0.0	0.000	–	–	"
12:00 pm	0.0	0.000	–	–	"
1:00 pm	0.0	0.000	–	–	"
2:00 pm	0.0	0.000	–	–	PUMPING WATER

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 8-3-01

Sampler: COURTNEY MARHOEFER
Weather: HOT, HUMID, CLOUDY

Time	PID Make: Rae Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	EXCAVATING/LOADING DUMPIN SPECIAL WASTE ~~WASTE~~ FILL
9:00am	0.0	0.000	–	–	"
10:00am	0.0	0.000	–	–	"
11:00am	0.0	0.000	–	–	"
12:00pm	0.0	0.000	–	–	"
1:00pm	0.0	0.000	–	–	"
2:00pm	0.0	0.000	–	–	PUMPING WATER

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 8-3-01

Sampler: Courtney Marthoefer
Weather: Hot, humid, cloudy

Time	PID Make: RAE Systems Model: MINI RAE2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	EXCAVATING/LOADING DUMPING SPECIAL WASTE FILL
9:00am	0.0	0.000	–	–	"
10:00am	0.0	0.000	–	–	"
11:00am	0.0	0.000	–	–	"
12:00pm	0.0	0.000	–	–	"
1:00pm	0.0	0.000	–	–	"
2:00pm	0.0	0.000	–	–	PUMPING WATER

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: North
Date: 8-6-01

Sampler: Courtney Warthorton
Weather: Hot, Sunny, 90°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	Loading/ Excavating HAZ Waste-Dumping Fill
9:00am	0.0	0.000	—	—	No Activity
10:00am	0.0	0.000	—	Sight coal tar odor	Excavating HAZ Waste/Loading
11:00am	0.0	0.000	—	"	Excavating Special Waste/Loading
12:00pm	0.0	0.000	—	"	No Activity
1:00pm	0.0	0.000	—	"	Loading Special Waste
2:00pm	0.0	0.000	—	"	"
3:00pm	0.0	0.000	—	—	Loading/Excavating Special Waste

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 8-6-01

Sampler: Courtney Marthooper
Weather: Hot, Sunny, 90°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	Loading/ Excavating Haz Waste – Dumping All
9:00am	0.0	0.000	–	–	No Activity
10:00am	0.0	0.000	–	–	Excavating Haz Waste/Loading
11:00am	0.0	0.000	–	–	Excavating Special Waste/Loading
12:00pm	0.0	0.000	–	–	No Activity
1:00pm	0.0	0.000	–	–	Loading Special Waste
2:00pm	0.0	0.000	–	–	"
3:00pm	0.0	0.000	–	–	Loading/Excavating Special Waste

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 8-6-01

Sampler: Courtney Marhoefer
Weather: Hot, Sunny, 90°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	Slight Coal Tar Odor	Loading/Excavating Haz Waste - Dumping Fill
9:00am	0.0	0.000	–	"	No Activity
10:00am	0.0	0.000	–	"	Excavating Haz Waste/Loading
11:00am	0.0	0.000	–	"	Excavating/Loading Special Waste
12:00pm	0.0	0.000	–	"	No Activity
1:00pm	0.0	0.000	–	"	Loading Special Waste
2:00pm	0.0	0.000	–	"	"
3:00pm	0.0	0.000	–	–	Loading/Excavating Special Waste

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 8-6-01

Sampler: Courtney Marthoffer
Weather: Hot, Sunny, 90°

Time	PID Make: RAE Systems Model: MiniRAE2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	Loading/ ~~Excavating Haz~~ Waste-Dumping Fill
9:00am	0.0	0.000	–	–	No Activity
10:00am	0.0	0.000	–	–	Excavating Haz Waste/Loading
11:00am	0.0	0.000	–	–	Excavating/ Loading Special Waste
12:00pm	0.0	0.000	–	–	No Activity
1:00pm	0.0	0.000	–	–	Loading Special Waste
2:00pm	0.0	0.000	–	–	"
3:00pm	0.0	0.000	–	–	Loading/ Excavating Special Waste

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 8-7-01

Sampler: COURTNEY MARHOEFER
Weather: HOT, SUNNY, 95°

Time	PID Make: PAE SYSTEMS Model: MINIRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
7:30am	0.0	0.000	–	–	EXCAVATING/LOADING HAZ WASTE
8:00 am	0.0	0.000	–	–	"
9:00am	0.0	0.000	–	–	"
10:00am	0.0	0.000	–	–	EXCAVATING SPECIAL WASTE
11:00 am	0.0	0.000	–	–	"
Noon	0.0	0.000	–	–	NO ACTIVITY
1:00pm	0.0	0.000	–	–	DUMPING FILL
2:00pm	0.0	0.000	–	–	PUMPING WATER

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 8-7-01

Sampler: Courtney Marthoffer
Weather: Hot, Sunny, 95°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
7:30am	0.0	0.000	–	–	EXCAVATING/LOADING HAZ WASTE
8:00am	0.0	0.000	–	–	"
9:00am	0.0	0.000	–	–	"
10:00am	0.0	0.000	–	–	EXCAVATING SPECIAL WASTE
11:00am	0.0	0.000	–	–	"
Noon	0.0	0.000	–	–	No Activity
1:00pm	0.0	0.000	–	–	Dumping Fill
2:00pm	0.0	0.000	–	–	Pumping Water

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 8-7-01

Sampler: Courtney Warhaftig
Weather: Hot, Sunny, 95°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: Mini RAM ID: 02067	Benzene (ppm)	Odors	Remarks
7:30am	0.0	0.000	—	—	Excavating/Loading Haz Waste
8:00am	0.0	0.000	—	Slight coal tar odor	"
9:00am	0.0	0.000	—	"	"
10:00am	0.0	0.000	—	—	Excavating Special Waste
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	No Activity
1:00pm	0.0	0.000	—	—	Dumping Fill
2:00pm	0.0	0.000	—	—	Pumping water

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 8-7-01

Sampler: Courtney Marhoefer
Weather: Hot, Sunny, 95°

Time	PID Make: Rae Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
7:30am	0.0	0.000	–	–	EXCAVATING/LOADING HAZ WASTE
8:00am	0.0	0.000	–	–	"
9:00am	0.0	0.000	–	–	"
10:00am	0.0	0.000	–	SLIGHT COAL TAR ODOR	EXCAVATING SPECIAL WASTE
11:00am	0.0	0.000	–	"	"
NOON	0.0	0.000	–	"	NO ACTIVITY
1:00pm	0.0	0.000	–	"	DUMPING FILL
2:00pm	0.0	0.000	–	"	PUMPING WATER

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: North
Date: 8-8-01

Sampler: Courtney Warthorfer
Weather: Hot 95° Sunny

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: Mini RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	EXCAVATING HAZ. WASTE
9:00am	0.0	0.000	–	–	"
10:00am	0.0	0.000	–	–	"
11:00am	0.0	0.000	–	–	"
Noon	0.0	0.000	–	–	"
1:00pm	0.0	0.000	–	–	EXCAVATING SPRING WASTE
2:00pm	0.0	0.000	–	–	"
3:00pm	0.0	0.000	–	–	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 8-8-01

Sampler: Courtney Marthoffer
Weather: Hot Sunny 95°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	EXCAVATING HAZ WASTE
9:00am	0.0	0.000	–	–	"
10:00am	0.0	0.000	–	–	"
11:00am	0.0	0.000	–	–	"
Noon	0.0	0.000	–	–	"
1:00pm	0.0	0.000	–	–	EXCAVATING SPECIAL WASTE
2:00pm	0.0	0.000	–	–	"
3:00pm	0.0	0.000	–	–	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 8-8-01

Sampler: Courtney Wachtofer
Weather: Sunny Hot 95°

Time	PID Make: RAESystems Model: MiniRAE2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	EXCAVATING HAZ WASTE
9:00am	0.0	0.000	–	–	"
10:00am	0.0	0.000	–	–	"
11:00am	0.0	0.000	–	–	"
Noon	0.0	0.000	–	–	"
1:00pm	0.0	0.000	–	–	EXCAVATING SPECIAL WASTE
2:00pm	0.0	0.000	–	–	"
3:00pm	0.0	0.000	–	–	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: West
Date: 8-8-01

Sampler: Courtney Marchoefer
Weather: Sunny Hot 95°

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	EXCAVATING HAZ WASTE
9:00am	0.0	0.000	–	–	"
10:00am	0.0	0.000	–	–	"
11:00am	0.0	0.000	–	–	"
Noon	0.0	0.000	–	–	"
1:00pm	0.0	0.000	–	–	EXCAVATING SPECIAL WASTE
2:00pm	0.0	0.000	–	–	"
3:00pm	0.0	0.000	–	–	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: North
Date: 8-9-01

Sampler: Courtney Marthofer
Weather: Hot 95° Sunny

Time	PID Make: RAE Systems Model: MiniRAE2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	Excavating HAZ Waste
9:00am	0.0	0.000	–	–	Excavating Special Waste
10:00am	0.0	0.000	–	–	No Activity
11:00am	0.0	0.000	–	–	Excavating Special Waste
Noon	0.0	0.000	–	–	"
1:00pm	0.0	0.000	–	–	"
2:00pm	0.0	0.000	–	–	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 8-9-01

Sampler: Courtney Marktoffer
Weather: Hot 95° Sunny

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: Mini Ram ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	EXCAVATING HAZ WASTE
9:00am	0.0	0.000	–	–	EXCAVATING SPECIAL WASTE
10:00am	0.0	0.000	–	–	No Activity
11:00am	0.0	0.000	–	–	EXCAVATING SPECIAL WASTE
Noon	0.0	0.000	–	–	"
1:00pm	0.0	0.000	–	–	"
2:00pm	0.0	0.000	–	–	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 8-9-01

Sampler: Courtney Machotzek
Weather: Hot 95° Sunny

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING HAZ WASTE
9:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
10:00am	0.0	0.000	—	—	No Activity
11:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 8-9-01

Sampler: Courtney Marthoffer
Weather: Hot 98° Sunny

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING HAZ WASTE
9:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
10:00am	0.0	0.000	—	—	NO ACTIVITY
11:00 am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: North
Date: 8-10-01

Sampler: Courtney Martoeffer
Weather: Mild 75° Sunny

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00 am	0.0	0.000	—	—	Excavating Special Waste
9:00 am	0.0	0.000	—	—	No Activity
10:00 am	0.0	0.000	—	—	Excavating Special Waste
11:00 am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	No Activity
1:00 pm	0.0	0.000	—	—	"
2:00 pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 8-10-01

Sampler: Courtney Marthoefer
Weather: Mid 75° Sunny

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	Excavating Special Waste
9:00am	0.0	0.000	—	—	No Activity
10:00am	0.0	0.000	—	—	Excavating Special Waste
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	No Activity
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 8-10-01

Sampler: Courtney Marhoefer
Weather: Mild 75° Sunny

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	EXCAVATING SPECIAL WASTE
9:00am	0.0	0.000	–	–	No Activity
10:00am	0.0	0.000	–	–	EXCAVATING SPECIAL WASTE
11:00am	0.0	0.000	–	–	"
Noon	0.0	0.000	–	–	No Activity
1:00pm	0.0	0.000	–	–	"
2:00pm	0.0	0.000	–	–	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: West
Date: 8-10-01

Sampler: Courtney Warthorn
Weather: Mid 75° Sunny

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
9:00am	0.0	0.000	—	—	No Activity
10:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	No Activity
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 8-13-01

Sampler: COURTNEY WARTHOFFER
Weather: MILD 77° OVERCAST

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	NO ACTIVITY
9:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	CHASING TAR PIPE
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 8-13-01

Sampler: Courtney Marthorper
Weather: MILD TO OVERCAST

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	No Activity
9:00am	0.0	0.000	—	—	Excavating Special Waste
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	Chasing Tar Pipe
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 8-13-01

Sampler: Courtney Marhoefer
Weather: MILD TO OVERCAST

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	No Activity
9:00 am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
10:00 am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	CHASING TAR PIPE
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 8-13-01

Sampler: COURTNEY MARHOFER
Weather: MILD 77° OVERCAST

Time	PID Make: RAE SYSTEMS Model: MINIRAE ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	NO ACTIVITY
9:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	CHASING TAR PIPE
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: North
Date: 8-14-01

Sampler: Courtney Marhoffer
Weather: 78° Sunny

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	Loading/Excavating Special Waste
9:00am	0.0	0.000	—	—	No Activity
10:00am	0.0	0.000	—	—	Moving Fill
11:00am	0.0	0.000	—	—	Loading Special Waste
Noon	0.0	0.000	—	—	No Activity
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	No Activity

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 8-14-01

Sampler: Courtney Marhoefer
Weather: 78° Sunny

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: Mini Ram ID: 02067	Benzene (ppm)	Odors	Remarks
8:00 am	0.0	0.000	–	–	Loading/Excavating Special Waste
9:00 am	0.0	0.000	–	–	No Activity
10:00 am	0.0	0.000	–	–	Moving Fill
11:00 am	0.0	0.000	–	–	Loading Special Waste
Noon	0.0	0.000	–	–	No Activity
1:00 pm	0.0	0.000	–	–	"
2:00 pm	0.0	0.000	–	–	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 8-14-01

Sampler: Courtney Marhoefer
Weather: 78° Sunny

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	LOADING / EXCAVATING SPECIAL WASTE
9:00am	0.0	0.000	–	–	No Activity
10:00am	0.0	0.000	–	–	Moving Fill
11:00am	0.0	0.000	–	–	LOADING SPECIAL WASTE
Noon	0.0	0.000	–	–	No Activity
1:00pm	0.0	0.000	–	–	"
2:00pm	0.0	0.000	–	–	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 8-14-01

Sampler: Courtney Marhoefer
Weather: Sunny 78°

Time	PID Make: RAE Systems Model: ~~RAE~~ MiniRAE ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	LOADING/EXCAVATING SPECIAL WASTE
9:00am	0.0	0.000	—	—	No Activity
10:00am	0.0	0.000	—	—	Moving Fill
11:00am	0.0	0.000	—	—	LOADING SPECIAL WASTE
Noon	0.0	0.000	—	—	No Activity
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: North
Date: 8-15-9

Sampler: Courtney Marthofer
Weather: Sunny 80°F

Time	PID Make: RAESystems Model: MiniRAE2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
9:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	—	—	—	—	" (NO READINGS B/C RAIN)

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: SOUTH
Date: 8-15-01

Sampler: Courtney Washington
Weather: Sunny 80°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
9:00am	0.0	0.000	—	SLIGHT COAL TAR	EXCAVATING VALVE BOX
10:00am	0.0	0.000	—	"	"
11:00am	0.0	0.000	—	"	"
NOON	0.0	0.000	—	"	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	—	—	—	—	" (NO READINGS B/C RAIN)

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 8-15-01

Sampler: Courtney Machtoepfer
Weather: Sunny 80°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 52067	Benzene (ppm)	Odors	Remarks
9:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	—	—	—	—	" (NO READINGS B/C RAIN)

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 8-15-01

Sampler: Courtenay Marhoffer
Weather: Sunny 80°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 52067	Benzene (ppm)	Odors	Remarks
9:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	SLIGHT COAL TAR	"
2:00pm	0.0	0.000	—	"	"
3:00pm	—	—	—	—	" (NO READINGS DUE TO RAIN)

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: North
Date: 8-16-01

Sampler: Courtney Mathoffer
Weather: Rain 75°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: Mini RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	—	—	—	—	RAIN
9:00am	0.0	0.000	—	—	REMOVING ASPHALT
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 8-16-01

Sampler: Courtney Marhoefer
Weather: Rain 75°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	—	—	—	—	Rain
9:00am	0.0	0.000	—	—	Removing Asphalt
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 8-16-01

Sampler: Courtney Martorano
Weather: RAIN 75°

Time	PID Make: RAESystems Model: MiniRAE2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	—	—	—	—	RAIN
9:00 am	0.0	0.000	—	—	Removing Asphalt
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: West
Date: 8-16-01

Sampler: Courtney Martopper
Weather: Rain 75°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	—	—	—	—	Rain
9:00 am	0.0	0.000	—	—	Removing Asphalt
10:00 am	0.0	0.000	—	—	"
11:00 am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00 pm	0.0	0.000	—	—	"
2:00 pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: North
Date: 8-17-01

Sampler: Courtney Marheefer
Weather: Sunny / 80°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002140	Dust Meter (mg/m^3) Make: MIE Model: Mini RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	~~0.0~~ 0.0	0.000	—	—	CRUSHING CONCRETE
9:00am	0.0	0.000	—	—	EXPOSING VALVE BOX
10:00am	0.0	0.000	—	—	EXPOSING VALVE BOX
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 8-17-01

Sampler: Courtney Marthorton
Weather: Sunny 80°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: Mini Ram ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	CRUSHING CONCRETE
9:00am	0.0	0.000	—	—	EXPOSING VALVE BOX
10:00am	0.0	0.000	—	—	EXPOSING VALVE BOX
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 8-17-01

Sampler: Courtney Marthoffer
Weather: Sunny 80°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	Crushing Concrete
9:00am	0.0	0.000	—	Coal Tar Strong	Exposing Valve Box
10:00am	0.0	0.000	—	"	"
11:00am	0.0	0.000	—	"	"
Noon	0.0	0.000	—	"	"
1:00pm	0.0	0.000	—	"	"
2:00pm	0.0	0.000	—	"	"
3:00pm	0.0	0.000	—	"	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 8-17-01

Sampler: Courtney Marthoffer
Weather: Sunny 80°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	CURSITING CONCRETE
9:00am	0.0	0.000	—	—	EXPOSING VALVE BOXES
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 8-20-01

Sampler: Courtney Marhoefer
Weather: Sunny 75°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 8-20-01

Sampler: Courtney Martinson
Weather: Sunny 75°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: East
Date: 8-20-01

Sampler: Courtney Matthoefer
Weather: Sunny 75°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: Mini RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 8-20-01

Sampler: Courtney Marhoefer
Weather: Sunny 75°

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING VALLE BOX
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: North
Date: 8-21-01

Sampler: Courtney Marhoffer
Weather: Sunny 82°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	Excavating Valve Box
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 8-21-01

Sampler: Courtney Martoorn
Weather: Sunny 82°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 100-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	EXCAVATING VALVE BOX
9:00am	0.0	0.000	–	–	"
10:00am	0.0	0.000	–	–	"
11:00am	0.0	0.000	–	–	"
Noon	0.0	0.000	–	–	"
1:00pm	0.0	0.000	–	–	"
2:00pm	0.0	0.000	–	–	"
3:00pm	0.0	0.000	–	–	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 8-21-01

Sampler: Country Marchoffer
Weather: Sunny 82°

Time	PID Make: RAE Systems Model: MiniRAE2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: Mini RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	EXCAVATING VALVE BOX
9:00am	0.0	0.000	–	–	"
10:00am	0.0	0.000	–	–	"
11:00am	0.0	0.000	–	–	"
Noon	0.0	0.000	–	–	"
1:00pm	0.0	0.000	–	–	"
2:00pm	0.0	0.000	–	–	"
3:00pm	0.0	0.000	–	–	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: West
Date: 8-21-01

Sampler: Courtney Marhoefer
Weather: Sunny 82°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	EXCAVATING VALVE BOX
9:00am	0.0	0.000	–	–	"
10:00am	0.0	0.000	–	–	"
11:00am	0.0	0.000	–	–	"
Noon	0.0	0.000	–	–	"
1:00pm	0.0	0.000	–	–	"
2:00pm	0.0	0.000	–	–	"
3:00pm	0.0	0.000	–	–	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 8-22-01

Sampler: COURTNEY MARHOEFER
Weather: CLOUDY, RAIN, HUMID, 80°

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
9:00am	0.0	0.000	—	—	"
10:00am	—	—	—	—	RAIN
11:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 8-22-01

Sampler: Courtney Marhoefer
Weather: Cloudy, Rain, Humid, 80°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
9:00am	0.0	0.000	—	—	"
10:00am	—	—	—	—	RAIN
11:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
Noon	0.0	0.000	—	COAL TAR ODOR B/C ADJACENT TO OPEN VALVE BOX	"
1:00pm	0.0	0.000	—	"	"
2:00pm	0.0	0.000	—	"	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 8-22-01

Sampler: Courtney Martopper
Weather: Cloudy, Rain, Humid 80°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
9:00am	0.0	0.000	—	—	"
10:00am	—	—	—	—	RAIN
11:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 8-22-01

Sampler: COURTNEY MACHOEPER
Weather: CLOUDY, RAIN, HUMID, 80°

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
9:00 am	0.0	0.000	—	—	"
10:00am	—	—	—	—	RAIN
11:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 8-23-01

Sampler: Courtney Marchoefer
Weather: Cloudy, Rain, Humid 75°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-052141	Dust Meter (mg/m^3) Make: MIE Model: Mini Ram ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
9:00am	0.0	0.000	—	—	"
10:00am	—	—	—	—	RAIN
11:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 8-23-01

Sampler: Courtney Martofer
Weather: Cloudy, Rain, Humid 75°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002441	Dust Meter (mg/m^3) Make: MIE Model: Mini RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
9:00am	0.0	0.000	—	—	"
10:00am	—	—	—	—	RAIN
11:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 8-23-01

Sampler: Courtney Marhoefer
Weather: Cloudy, Rain, Humid 75°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: Mini RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	EXCAVATING VALVE BOX
9:00am	0.0	0.000	–	–	"
10:00 am	–	–	–	–	RAIN
11:00 am	0.0	0.000	–	–	EXCAVATING VALVE BOX
Noon	0.0	0.000	–	–	"
1:00pm	0.0	0.000	–	–	"
2:00pm	0.0	0.000	–	–	"
3:00pm	0.0	0.000	–	–	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 8-23-01

Sampler: Courtney Marhoefer
Weather: Cloudy, Rain, Humid 75°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: Mini Ram ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
9:00am	0.0	0.000	—	—	"
10:00am	—	—	—	—	RAIN
11:00pm	0.0	0.000	—	—	EXCAVATING VALVE BOX
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: North
Date: 8-24-01

Sampler: Courtney
Weather: Cloudy, 80°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
9:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX, LOADING ASPHALT
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 8-24-01

Sampler: Cameron Marthaler
Weather: Cloudy, 80°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
9:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX, LOADING ASPHALT
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 8-24-01

Sampler: Courtney Marthoffer
Weather: Cloudy 80°

Time	PID Make: RAE SYSTEMS Model: MiniRAE2000 ID: 110-052141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
9:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX, LOADING ASPHALT
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 8-24-01

Sampler: Courtney Marchetti
Weather: Cloudy, 80°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MLE Model: Mini Ram ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
9:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX, LOADING ASPHALT
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 8-27-01

Sampler: COURTNEY MACHTOEFER
Weather: SUNNY 80°

Time	PID Make: RAE SYSTEMS Model: MINI RAE2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	LOADING SPECIAL WASTE
9:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
10:00am	0.0	0.000	—	—	" DRAINING WATER FROM VALVE BOXES
11:00am	0.0	0.000	—	—	LOADING SPECIAL WASTE
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: SOUTH
Date: 8-27-01

Sampler: Courtney Muehlhoefer
Weather: Sunny 80°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	LOADING SPECIAL WASTE
9:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
10:00am	0.0	0.000	—	—	" DRAINING H_2O FROM VALVE BOXES
11:00am	0.0	0.000	—	—	LOADING SPECIAL WASTE
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 8-27-01

Sampler: Courtney Weatherspoon
Weather: Sunny, 80°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: Mini Ram ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	LOADING SPECIAL WASTE
9:00am	0.0	0.000	–	–	EXCAVATING SPECIAL WASTE
10:00am	0.0	0.000	–	–	" DRAINING H_2O FROM VALVE BOX
11:00am	0.0	0.000	–	–	LOADING SPECIAL WASTE
Noon	0.0	0.000	–	–	"
1:00pm	0.0	0.000	–	–	"
2:00pm	0.0	0.000	–	–	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 8-27-01

Sampler: COURTNEY MARHOFFER
Weather: SUNNY 80°

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MINIRAM ID: D2007	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	LOADING SPECIAL WASTE
9:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
10:00am	0.0	0.000	—	—	" DRAINING H2O FROM VALLEY BOXES
11:00am	0.0	0.000	—	—	LOADING SPECIAL WASTE
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 8-28-01

Sampler: Courtney Markhoffer
Weather: Sunny 80°

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 8-28-01

Sampler: Courtney Marhoefer
Weather: Sunny 80°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: Mini RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00 am	0.0	0.000	–	–	EXCAVATING VALVE BOX
9:00 am	0.0	0.000	–	–	"
10:00 am	0.0	0.000	–	–	"
11:00 am	0.0	0.000	–	–	"
NOON	0.0	0.000	–	–	"
1:00 pm	0.0	0.000	–	–	"
2:00 pm	0.0	0.000	–	–	"
3:00 pm	0.0	0.000	–	–	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 8-28-01

Sampler: Courtney Marthaler
Weather: Sunny 80°

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 8-28-01

Sampler: Courtney Marthofer
Weather: Sunny 80°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002441	Dust Meter (mg/m³) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	excavating valve box
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 8-29-01

Sampler: COURTNEY MARKHOEFER
Weather: SUNNY 80°

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00 am	0.0	0.000	—	—	EXCAVATING VALVE BOX
9:00 am	0.0	0.000	—	—	"
10:00 am	0.0	0.000	—	—	"
11:00 am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	"
1:00 pm	0.0	0.000	—	—	"
2:00 pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 8-29-01

Sampler: Courtney Marthopson
Weather: Sunny 80°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002241	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	EXCAVATING VALVE BOX
9:00am	0.0	0.000	–	–	"
10:00am	0.0	0.000	–	–	"
11:00am	0.0	0.000	–	–	"
Noon	0.0	0.000	–	–	"
1:00pm	0.0	0.000	–	–	"
2:00pm	0.0	0.000	–	–	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 8-29-01

Sampler: Courtney Marthofer
Weather: Sunny 80°

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 020067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 8-29-01

Sampler: COURTNEY MARHOFFER
Weather: SUNNY 80°

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING VALVE BOX
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: North
Date: 8-30-01

Sampler: Courtney Marthofer
Weather: Sunny 85°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: Mini Ram ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	Loading Special Waste
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 8-30-01

Sampler: [illegible]
Weather: Sunny 85°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: Mini Ram ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	Loading Special Waste
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 8-30-01

Sampler: Courtney Warthorpe
Weather: Sunny 85°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	LOADING SPECIAL WASTE
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 8-30-01

Sampler: Courtney MacHorter
Weather: Sunny 85°

Time	PID Make: RAE SYSTEMS Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	~~[illegible]~~ Loading Special Waste
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: West
Date: 8/31/01

Sampler: K. NICHOLS
Weather: Sunny 70°F

Time	PID Make: RaeSystems Model: MiniRAE2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
0750	0.0	0.025	—	No	No Activity
0908	0.0	0.018	—	No	Excavating Pk lot Asphalt
1112	0.0	0.008	—	No	Creating Berm

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 8/31/01

Sampler: K. Nichas
Weather: Sunny 70°F

Time	PID Make: RAESystems Model: MiniRae2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: Mini RAM ID: 02067	Benzene (ppm)	Odors	Remarks
0745	0.1	0.019	—	No	No Activity
0903	0.1	0.220	—	No	Breaking up parking area
1108	0.0	0.001	—	No	Creating berm

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: SOUTH
Date: 8/31/01

Sampler: K. NICHOLS
Weather: Sunny 70°F

Time	PID Make: RaeSystems Model: MiniRae 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
0743	0.1	0.022	—	No	No Activity
0900	0.1	0.008	—	No	Breaking up asphalt pavement
1100	0.0	0.025	—	No	Creating berm

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 8/31/01

Sampler: K. Nicitocs
Weather: Sunny 70°F

Time	PID Make: RaeSystems Model: MiniRAE2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
7:40	0.1	0.022	—	No	No Activity
0905	0.0	0.008	—	No	Breaking up asphalt parking lot
1104	0.1	0.000	—	No	Beating Berm

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 9-4-01

Sampler: Courtney Martindale
Weather: Sunny 75°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	PUMPING WATER
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	EXCAVATING 24" CAST IRON PIPE
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 9-4-01

Sampler: Courtney Marthorson
Weather: Sunny 75°

Time	PID Make: RAE Systems Model: MiniRAE2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	PUMPING WATER
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	EXCAVATING 24" CAST IRON PIPE
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 9-4-01

Sampler: Courtney Marthoefer
Weather: Sunny 75°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	Pumping water
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	Excavating 24" cast iron pipe
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 9-4-01

Sampler: Courtney MacHoffon
Weather: Sunny 75°

Time	PID Make: RAE Systems Model: MINI RAE 2000 ID: 110-002441	Dust Meter (mg/m³) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	RUNNING WATER
9:00am	0.0	0.000	—	—	"
10:00 am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	EXCAVATING 24" CAST IRON PIPE
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 9-5-01

Sampler: Courtney Marhoefer
Weather: Sunny 75°

Time	PID Make: RAE SYSTEMS Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: Mini RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	FILLING VALLE BOX
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 9-5-01

Sampler: Courtney Marthoffer
Weather: Sunny 75°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	Filling valve box
9:00am	0.0	0.000	–	–	"
10:00am	0.0	0.000	–	–	"
11:00am	0.0	0.000	–	–	"
Noon	0.0	0.000	–	–	"
1:00pm	0.0	0.000	–	–	"
2:00pm	0.0	0.000	–	–	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 9-5-01

Sampler: Courtenay Marchbofer
Weather: Sunny / 75°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110002141	Dust Meter (mg/m³) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	Filling Valve Box
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: West
Date: 9-5-01

Sampler: Courtney Martheson
Weather: Sunny 75°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110002141	Dust Meter (mg/m³) Make: MIE Model: Mini Ram ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	Filling valve box
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 9-6-01

Sampler: Courtney Marthopper
Weather: Cloudy 80°

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	BUILDING BERMS
9:00am	0.0	0.000	—	—	REMOVING SCRAP STEEL
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	BACKFILLING
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 9-6-01

Sampler: Laurence Marthopson
Weather: Cloudy 80°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002144	Dust Meter (mg/m³) Make: MIE Model: MinuRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00 am	0.0	0.000	—	—	Building Berms
9:00 am	0.0	0.000	—	—	Removing Scrap Steel
10:00 am	0.0	0.000	—	—	"
11:00 am	0.0	0.000	—	—	Backfilling
Noon	0.0	0.000	—	—	"
1:00 pm	0.0	0.000	—	—	"
2:00 pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 9-6-01

Sampler: Courtney Marhoffer
Weather: Sunny 80°

Time	PID Make: RAESystems Model: MiniRAE2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00 am	0.0	0.000	–	–	BUILDING BERMS
9:00 am	0.0	0.000	–	–	REMOVING SCRAP STEEL
10:00 am	0.0	0.000	–	–	"
11:00 am	0.0	0.000	–	–	BACKFILLING
NOON	0.0	0.000	–	–	"
1:00 pm	0.0	0.000	–	–	"
2:00 pm	0.0	0.000	–	–	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: West
Date: 9-6-01

Sampler: Courtney Marheepoor
Weather: Cloudy 80°

Time	PID Make: RAE SYSTEMS Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	BUILDING BERMS
9:00am	0.0	0.000	—	—	REMOVING SCRAP STEEL
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	BACKFILLING
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 9-7-01

Sampler: COURTNEY MARHOEFER
Weather: PARTLY CLOUDY, HUMID 85°

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	BACKFILLING
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: SOUTH
Date: 9-7-01

Sampler: COURTNEY MARTHOEFER
Weather: PARTLY CLOUDY, HUMID 85°

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	BACKFILLING
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 9-7-01

Sampler: COURTNEY MARHOEFER
Weather: PARTLY CLOUDY, HUMID 80°

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02867	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	BACKFILLING
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: West
Date: 9-7-01

Sampler: Courtney Marhoefer
Weather: Partly Cloudy, Humid 85°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	BACKFILLING
9:00am	0.0	0.000	–	–	"
10:00am	0.0	0.000	–	–	"
11:00am	0.0	0.000	–	–	"
Noon	0.0	0.000	–	–	"
1:00pm	0.0	0.000	–	–	"
2:00pm	0.0	0.000	–	–	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 9-10-01

Sampler: COURTNEY MARHOEFER
Weather: SUNNY 75°

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-002441	Dust Meter (mg/m³) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	BACKFILLING
9:00am	0.0	0.000	—	—	EMPTYING FRAC TANK
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 9-10-01

Sampler: Courtney Marhoffer
Weather: Sunny 75°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002441	Dust Meter (mg/m³) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00 am	0.0	0.000	—	—	Backfilling
9:00 am	0.0	0.000	—	—	emptying frac tank
10:00 am	0.0	0.000	—	—	"
11:00 am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00 pm	0.0	0.000	—	—	"
2:00 pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 9-10-01

Sampler: Courtney Marhoffer
Weather: Sunny 75°

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	BACKFILLING
9:00am	0.0	0.000	—	—	EMPTYING FRAC TANK
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: West
Date: 9-10-01

Sampler: Courtney Warhoffer
Weather: Sunny 75°

Time	PID Make: RAE SYSTEMS Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00 am	0.0	0.000	—	—	BACKFILLING
9:00 am	0.0	0.000	—	—	EMPTYING FRAC TANK
10:00 am	0.0	0.000	—	—	"
11:00 am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00 pm	0.0	0.000	—	—	"
2:00 pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: North
Date: 9-11-01

Sampler: Courtney Martorfer
Weather: Sunny 80°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: Mini Ram ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	–	–	EXCAVATING SPECIAL WASTE
9:00am	0.0	0.000	–	–	"
10:00am	0.0	0.000	–	–	"
11:00am	0.0	0.000	–	–	No Activity
Noon	0.0	0.000	–	–	No Activity
1:00pm	0.0	0.000	–	–	No Activity
2:00pm	0.0	0.000	–	–	EXCAVATING SPECIAL WASTE

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 9-11-01

Sampler: Courtney Marhoffer
Weather: Sunny 80°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: Mini Ram ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	No Activity
Noon	0.0	0.000	—	—	No Activity
1:00pm	0.0	0.000	—	—	No Activity
2:00pm	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 9-11-01

Sampler: Courtney Winchester
Weather: Sunny 80°

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	No Activity
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 9-11-01

Sampler: Courtney Warhoofer
Weather: Sunny 80°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	No Activity
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: North
Date: 9-12-01

Sampler: Courtney Warhopper
Weather: Sunny 85°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
9:00am	0.0	0.000	—	—	"
10:00 am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 9-12-01

Sampler: Courtney Marhoefer
Weather: Sunny 85°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 9-12-01

Sampler: Courtney Marhoefer
Weather: Sunny / 85°

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
9:00am	0.0	0.000	—	—	"
10:00 am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 9-12-01

Sampler: COURTNEY WARHOEFER
Weather: SUNNY 85°

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00 am	0.0	0.000	–	–	EXCAVATING SPECIAL WASTE
9:00 am	0.0	0.000	–	–	"
10:00 am	0.0	0.000	–	–	"
11:00 am	0.0	0.000	–	–	"
NOON	0.0	0.000	–	–	"
1:00 pm	0.0	0.000	–	–	"
2:00 pm	0.0	0.000	–	–	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: North
Date: 9-13-01

Sampler: Courtney Warhoefer
Weather: ~~Sunny~~ 70° Cloudy, cool

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: Mini Ram ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	~~EXCAVATING~~ SPECIAL WASTE
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 9-13-01

Sampler: Courtney Marhoffer
Weather: Cloudy, Cool 70°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-052141	Dust Meter (mg/m³) Make: MIE Model: Mini Ram ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	Excavating special waste
9:00 am	0.0	0.000	—	—	"
10:00 am	0.0	0.000	—	—	"
11:00 am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 9-13-01

Sampler: Courtney Marhoffer
Weather: Cloudy! Cool 70°

Time	PID Make: RAE SYSTEMS Model: MiniRAE2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00 am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
9:00 am	0.0	0.000	—	—	"
10:00 am	0.0	0.000	—	—	"
11:00 am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00 pm	0.0	0.000	—	—	"
2:00 pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 9-13-01

Sampler: COURTNEY WARTHOEFER
Weather: CLOUDY, COOL 70°

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
9:00am	0.0	0.000	—	—	"
10:00 am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: North
Date: 9-14-01

Sampler: Courtney Marhoefer
Weather: Sunny 65°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: Mini RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING ASPHALT
9:00am	0.0	0.000	—	—	No Activity
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
Noon	0.0	0.000	—	—	No Activity
1:00pm	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 9-14-01

Sampler: Courtney Marktooper
Weather: Sunny 65°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING ASPHALT
9:00am	0.0	0.000	—	—	No Activity
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
Noon	0.0	0.000	—	—	No Activity
1:00pm	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 9-14-01

Sampler: Courtney Marhoffer
Weather: Sunny 65°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING ASPHALT
9:00am	0.0	0.000	—	SLIGHT COAL TAR	No Activity
10:00am	0.0	0.000	—	"	"
11:00 am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
Noon	0.0	0.000	—	—	No Activity
1:00pm	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: West
Date: 9-14-01

Sampler: Courtney Marktheffer
Weather: Sunny 65°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00 am	0.0	0.000	—	—	EXCAVATING ASPHALT
9:00 am	0.0	0.000	—	—	No Activity
10:00 am	0.0	0.000	—	—	"
11:00 am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
Noon	0.0	0.000	—	—	No Activity
1:00 pm	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
2:00 pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 9-17-01

Sampler: COURTNEY MARHOEFER
Weather: CLOUDY, RAIN 70°

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	REMOVING BUILDING FOR DEMO.
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000 HOWEVER THERE WAS VISIBLE DUST BLOWING AWAY FROM ME (TO NORTH) FROM THE BUILDING DEMO.	—	—	BUILDING DEMO
11:00am	0.0	0.000	—	—	LOADING SPECIAL WASTE
NOON	—	—	—	—	RAIN
1:00pm	—	—	—	—	RAIN
2:00pm	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: SOUTH
Date: 9-17-01

Sampler: COURTNEY MARHOFFER
Weather: CLOUDY 70° RAIN

Time	PID Make: RAESYSTEMS Model: MINI RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	PREPARING BUILDING FOR DEMO.
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	BUILDING DEMO
11:00am	0.0	0.000	—	—	LOADING SPECIAL WASTE
NOON	—	—	—	—	RAIN
1:00pm	—	—	—	—	RAIN
2:00pm	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 9-17-01

Sampler: Courtney Marhoefer
Weather: Cloudy / 70° RAIN

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	PREPARING BUILDING FOR DEMO.
9:00am	0.0	0.000	—	—	"
10:00 am	0.0	0.000	—	—	BUILDING DEMO
11:00am	0.0	0.000	—	—	LOADING SPECIAL WASTE
NOON	—	—	—	—	RAIN
1:00pm	—	—	—	—	RAIN
2:00pm	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 9-17-01

Sampler: Courtney Marhoefer
Weather: Cloudy 70° RAIN

Time	PID Make: RAE SYSTEMS Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MiniRam ID: 62067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	PREPARING BUILDING FOR DEMO.
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	BUILDING DEMO
11:00am	0.0	0.000	—	—	LOADING SPECIAL WASTE
NOON	—	—	—	—	RAIN
1:00pm	—	—	—	—	RAIN
2:00pm	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: North
Date: 9-18-01

Sampler: Courtney Marthopper
Weather: Humid, Cool 70° Fog

Time	PID Make: RAESystems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	Loading Debris Building Remains
9:00 am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	No Activity
1:00pm	0.0	0.000	—	—	Loading Special Waste
2:00pm	0.0	0.000	—	—	No Activity

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 9-18-01

Sampler: COURTNEY MARHOFFER
Weather: FOG, COOL, 70°

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	LOADING BUILDING REMAINING DEBRIS
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	NO ACTIVITY
1:00pm	0.0	0.000	—	—	LOADING SPECIAL WASTE
2:00pm	0.0	0.000	—	—	NO ACTIVITY

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 9-18-01

Sampler: Courtney Winchester
Weather: Humid Cool 70° Fog

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	LOADING BUILDING ROOM AND DEBRIS
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	NO ACTIVITY
1:00pm	0.0	0.000	—	—	LOADING SPECIAL WASTE
2:00pm	0.0	0.000	—	—	NO ACTIVITY

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 9-18-01

Sampler: Courtney Marthofer
Weather: Fog, Cool, 70°

Time	PID Make: RAE Systems Model: MiniRAE2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	Loading Building Remaining Debris
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	No Activity
1:00pm	0.0	0.000	—	—	Loading Special Waste
2:00pm	0.0	0.000	—	—	No Activity

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 9-19-01

Sampler: COURTNEY MARHOFFER
Weather: RAIN 70°

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	BACKFILLING
11:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
NOON	0.0	0.000	—	—	NO ACTIVITY
1:00pm	0.0	0.000	—	—	BACKFILLING
2:00pm	—	—	—	—	RAIN

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 9-19-01

Sampler: Courtney Mitchefer
Weather: Rain / 70°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	Excavating Special Waste
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	Backfilling
11:00am	0.0	0.000	—	—	Excavating Special Waste
Noon	0.0	0.000	—	—	No Activity
1:00pm	0.0	0.000	—	—	Backfilling
2:00pm	—	—	—	—	Rain

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 9-19-01

Sampler: Courtney Warhoffer
Weather: Rain | 70°

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	BACKFILLING
11:00 am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
Noon	0.0	0.000	—	—	No Activity
1:00pm	0.0	0.000	—	—	BACKFILLING
2:00pm	cm ~~0.0~~ —	—	—	—	RAIN

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 9-19-01

Sampler: Courtney Markhoffer
Weather: RAIN 70°

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	BACKFILLING
11:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
NOON	0.0	0.000	—	—	NO ACTIVITY
1:00pm	0.0	0.000	—	—	BACKFILLING
2:00pm	—	—	—	—	RAIN

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 9-20-01

Sampler: Courtney Markhoffer
Weather: Sunny 70°

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00 am	0.0	0.000	—	—	LOADING SPECIAL WASTE
9:00 am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
10:00 am	0.0	0.000	—	—	"
11:00 am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00 pm	0.0	0.000	—	—	"
2:00 pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 9-20-01

Sampler: Courtney Marhoefer
Weather: Sunny 70°

Time	PID Make: RAE SYSTEMS Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	Loading Special Waste
9:00am	0.0	0.000	—	—	Excavating Special Waste
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 9-20-01

Sampler: Courtney Marshbeck
Weather: Sunny / 70°

Time	PID Make: RAESYSTEMS Model: MiniRAE2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	LOADING SPECIAL WASTE
9:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
10:00am	0.0	0.000	—	SLIGHT COAL TAR ODOR	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 9-20-01

Sampler: Courtney Marthooper
Weather: Sunny 70°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: Mini RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	Loading Special Waste
9:00am	0.0	0.000	—	—	Excavating Special Waste
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 9-21-01

Sampler: Courtney Marchoffer
Weather: Partly Cloudy 70°

Time	PID Make: RAF Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: Mini RAM 2000 ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	Slight Coal Tar	Excavating Area of Pb Contamination
9:00am	0.0	0.000	—	—	Loading Scrap Steel
10:00am	0.0	0.000	—	—	Excavating Special Waste
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 9-21-01

Sampler: Courtney Warthopper
Weather: Partly Cloudy 70°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-082141	Dust Meter (mg/m³) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00 am	0.0	0.000	—	—	EXCAVATING AREA OF Pb CONTAMINATION
9:00 am	0.0	0.000	—	—	LOADING SCRAP STOCK
10:00 am	0.0	0.000	—	—	EXCAVATING SOIL WASTE
11:00 am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00 pm	0.0	0.000	—	—	"
2:00 pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 9-21-01

Sampler: Courtney Warhoefer
Weather: Partly Cloudy 70°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: Mini Ram ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	Excavating Area with Pb Contamination
9:00am	0.0	0.000	—	—	Loading Scrap Steel
10:00am	0.0	0.000	—	Sight Coal Tar	Excavating Special Waste
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: West
Date: 9-21-01

Sampler: Courtney Warhoffer
Weather: Partly Cloudy 70°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: Mini Ram ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	Excavating Area of PD Contamination
9:00am	0.0	0.000	—	—	Loading Scrap Steel
10:00am	0.0	0.000	—	—	Excavating Special Waste
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 9-24-01

Sampler: COURTNEY MARHOFFER
Weather: CLOUDY COOL 55°

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00 am	0.0	0.000	—	—	LOADING SPECIAL WASTE
9:00 am	0.0	0.000	—	—	"
10:00 am	0.0	0.000	—	—	"
11:00 am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	"
1:00 pm	0.0	0.000	—	—	"
2:00 pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: SOUTH
Date: 9-24-01

Sampler: COURTNEY MARKHOEFER
Weather: CLOUDY COOL 55°

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MINI RAM ID: ~~D6025T~~ 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	LOADING SPECIAL WASTE
9:00am	0.0	0.000	—	SLIGHT COAL TAR	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	SLIGHT COAL TAR	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 9-24-01

Sampler: COURTNEY WARHOEFFER
Weather: CLOUDY COOL 55°

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-002441	Dust Meter (mg/m^3) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	LOADING SPECIAL WASTE.
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 9-24-01

Sampler: COURTNEY WARITOOFER
Weather: CLOUDY COOL 55°

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	LOADING SPECIAL WASTE
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 9-25-01

Sampler: COURTNEY MARHOFFER
Weather: SUNNY COOL 55°

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-052141	Dust Meter (mg/m^3) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	LOADING SPECIAL WASTE
9:00am	0.0	0.000	—	—	NO ACTIVITY
10:00 am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
11:00 am	0.0	0.000	—	—	"
NOON	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 9-25-01

Sampler: Courtney Marhoefer
Weather: Cool Sunny 55°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002441	Dust Meter (mg/m³) Make: MIE Model: MiniRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	Loading Special Waste
9:00am	0.0	0.000	—	—	No Activity
10:00am	0.0	0.000	—	—	Excavating Special Waste
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 9-25-01

Sampler: Courtney Wantoofer
Weather: Cool Sunny 55°

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-002441	Dust Meter (mg/m³) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	LOADING SPECIAL WASTE
9:00am	0.0	0.000	—	—	NO ACTIVITY
10:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 9-25-01

Sampler: COURTNEY HARTHOEFER
Weather: SUNNY, COOL 55°

Time	PID Make: RAESYSTEMS Model: MINIRAE2000 ID: 116-00241	Dust Meter (mg/m³) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	LOADING SPECIAL WASTE
9:00am	0.0	0.000	—	—	NO ACTIVITY
10:00am	0.0	0.006	—	—	EXCAVATING SPECIAL WASTE
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	"
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 9-26-01

Sampler: Courtney Marhoefer
Weather: Cool, Overcast 55°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: Mini Ram ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
9:00am	0.0	0.000	—	—	MOVING BUILDING DEBRIS
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 9-26-01

Sampler: Courtney Marhoffer
Weather: Cool, Overcast 55°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	Excavating Special Waste
9:00am	0.0	0.000	—	—	Moving Building Debris
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	Excavating Special Waste
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 9-26-01

Sampler: Courtney Marhoffer
Weather: Cool, Clear East 55°

Time	PID Make: RAE Systems Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	Excavating Special Waste
9:00am	0.0	0.000	—	—	Moving Building Debris
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	Excavating Special Waste
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 9-28-01

Sampler: Courtney Martoeffer
Weather: Cool, Overcast 55°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:00am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
9:00am	0.0	0.000	—	—	MOVING BUILDING DEBRIS
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	"
1:00pm	0.0	0.000	—	—	"
2:00pm	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
3:00pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: North
Date: 9-27-01

Sampler: Courtney Marthopper
Weather: Cool, Sunny 65°

Time	PID Make: RAE Systems Model: MiniRAE 2000 ID: 110-002441	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:30am	0.0	0.000	—	—	Excavating Special Waste
8:00am	0.0	0.000	—	Slight	"
8:30am	0.0	0.000	—	—	"
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	No Activity
1:00pm	0.0	0.000	—	—	Removing Fence Posts
2:00pm	0.0	0.000	—	—	Excavating Special Waste
2:30pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: South
Date: 9-27-01

Sampler: Courtney Martoffer
Weather: Cool, Sunny 65°

Time	PID Make: RAE SYSTEMS Model: Mini RAE 2000 ID: 110-002141	Dust Meter (mg/m^3) Make: MIE Model: MiniRam ID: 02067	Benzene (ppm)	Odors	Remarks
8:30am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
8:00am	0.0	0.000	—	SLIGHT	"
8:30am	0.0	0.000	—	—	"
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	No Activity
1:00pm	0.0	0.000	—	—	Removing Fence Posts
2:00pm	0.0	0.000	—	—	Excavating Special Waste
2:30pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 9-27-01

Sampler: Courtney Marhoffer
Weather: Cool, Sunny 65°

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: Mini RAM ID: 02067	Benzene (ppm)	Odors	Remarks
7:30am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
8:00am	0.0	0.000	—	SLIGHT	"
8:30am	0.0	0.000	—	—	"
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	NO ACTIVITY
1:00pm	0.0	0.000	—	—	Removing fence posts
2:00pm	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
2:30pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: West
Date: 9-27-01

Sampler: Courtney Marhoefer
Weather: Cool Sunny 65°

Time	PID Make: RAE SYSTEM Model: MINIRAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
7:30am	0.0	0.000	—	—	EXCAVATING SPECIAL WASTE
8:00am	0.0	0.000	—	SLIGHT	"
8:30am	0.0	0.000	—	—	"
9:00am	0.0	0.000	—	—	"
10:00am	0.0	0.000	—	—	"
11:00am	0.0	0.000	—	—	"
Noon	0.0	0.000	—	—	No Activity
1:00pm	0.0	0.000	—	—	Removing Fence Posts
2:00pm	0.0	0.000	—	—	Excavating Special Waste
2:30pm	0.0	0.000	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 9-28-01

Sampler: GEORGE PILJA
Weather: CLOUDY 58-67°

Time	PID Make: RAESYSTEMS Model: MINI RAE 2000 ID: 110002141	Dust Meter (mg/m³) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
7:45	0.0	0.00			EXC. SPECIAL
8:15	0.0	0.00			WASTE; LOADING
9:30	0.00	0.00			SPECIAL WASTE; LOADING S OF HOLDER EXC.
11:00	0.00	0.00			GRADING
1:00 PM	0.00	0.00			EXCAVATING GRADING
2:00 PM	0.00	0.00			EXCAVATING SPECIAL WASTE; LOADING
3:00 PM	0.0	0.00			GRADING
3:45					↓

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: SOUTH
Date: 9-28-01

Sampler: GEORGE PILJA
Weather: CLOUDY 58-67°

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
7:45	0.0	0.00			EXCAVATING & LOADING SPECIAL WASTE, ~~IE~~ GRADING SITE
8:15	0.0	0.00			
9:30	00	0.00			GRADING
11:00	00	0.00			EXCAVATING: GRADING
1:00 PM	0.0	0.00			EXCAVATING SPE NON HAZ WASTE, TRUCK LOADING! GRADING
2:00 PM	0.0	0.00			
3:00 PM	0.0	0.00			
3:45 PM	0.0	0.00			

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 9-28-01

Sampler: GEORGE PILJA
Weather: CLOUDY 58-67°

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: MIE Model: MINI RAM ID: 02067	Benzene (ppm)	Odors	Remarks
7:45	0.0	0.00			EXCAVATING & LOADING SPECIAL WASTE.
8:15	0.0	0.00			SITE GRADING
9:30	0.0	0.00			GRADING
11:00	0.0	0.00			EXCAVATING; GRADING
1:00	0.0	0.00			EXCAVATING SPECIAL WASTE
2:00	0.0	0.00			TOXIC LOADING GRADING
3:00	0.0	0.00			↓
3:45	0.0	0.00			

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 9-28-01

Sampler: GEORGE PILJA
Weather: CLOUDY 58-67°

Time	PID Make: RAE SYSTEMS Model: MINI RAE 2000 ID: 110-002141	Dust Meter (mg/m³) Make: WIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
7:45	0.0	0.00			EXCAVATING & LOADING SPECIAL WASTE, GRADING SITE
8:15	0.0	0.00			
9:30	0.0	0.00			GRADING
11:00	0.0	0.00			EXCAVATING NON HAZ. WASTE
1:00	0.0	0.00			TRUCK LOADING, GRADING
2:00	0.0	0.00			↓
3:00	0.0	0.00			
3:45	0.0	0.00			

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: NORTH
Date: 10/01/01

Sampler: GEORGE PILJA
Weather: SUNNY 64-73°F

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-002441	Dust Meter (mg/m³) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
07:15	0.0	0.00	–	–	LOADING NON HAZ SOIL
08:30	0.0	0.00	–	–	EXCAVATING NON-HAZ SOIL
10:40	0.0	0.00	–	–	LOADING
12:00	0.0	0.00	–	–	SITE GRADING
14:00	0.0	0.00	–	–	"
15:00	0.0	0.00	–	–	"
16:00	0.0	0.00	–	–	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: SOUTH
Date: 10-01-01

Sampler: GEORGE DILLA
Weather: SUNNY 64-73°F

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-002441	Dust Meter (mg/m³) Make: MIE Model: MINIRAM ID: D2067	Benzene (ppm)	Odors	Remarks
07:15	0.0	0.00	—	—	LOADING NON-HAZ SOIL
08:30	0.0	0.00	—	—	EXCAVATING NON HAZ SOIL
10:40	0.0	0.00	—	—	LOADING
12:00	0.0	0.00	—	—	SITE GRADING
14:00	0.0	0.00	—	—	"
15:00	0.0	0.00	—	—	"
16:00	0.0	0.00	—	—	"

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: EAST
Date: 10-01-01

Sampler: GEORGE PILJA
Weather: SUNNY 64-73°F

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-002441	Dust Meter (mg/m³) Make: MIE Model: MINIRAM ID: 02067	Benzene (ppm)	Odors	Remarks
07:15	0.0	0.00	–	–	LOADING NON-HAZ SOIL
08:30	0.0	0.00	–	–	EXCAVATING NON-HAZ SOIL
10:40	0.0	0.00	–	–	LOADING NHS
12:00	0.0	0.00	–	–	SITE GRADING
14:00	0.0	0.00	–	–	
15:00	0.0	0.00	–	–	
16:00	0.0	0.00	–	–	

Real-Time Ambient Air Sampling Field Data Sheet

Project: Rogers Park Main
Project #: 27194-4.07

Sampling Location: WEST
Date: 10-01-01

Sampler: GEORGE PILJA
Weather: SUNNY 64-75°

Time	PID Make: RAE SYSTEMS Model: MINIRAE 2000 ID: 110-002441	Dust Meter (mg/m³) Make: MIE Model: MINIRAM ID: D2067	Benzene (ppm)	Odors	Remarks
07:15	0.0	0.00	—	—	LOADING NON-HAZ SOIL
08:30	0.0	0.00	—	—	EXCAVATING NON HAZ SOIL
10:30	0.0	0.00	—	—	LOADING NH SOIL
12:00	0.0	0.00	—	—	SITE GRADING
15:00	0.0	0.00	—	—	"
16:00	0.0	0.00	—	—	"
	0.0	0.00	—	—	"

A.L. 0.2

Rogers Park Main
Real Time Instrument Calibration Log

Project: Rogers Park Main
Project #: 27194-4.07

Instrument: MiniRae 2000
Manufacturer: Rae Systems, Inc
Serial No.: 110-00214T ~~20750~~ 110-001464

Burns & McDonnell SINCE 1898

Date	Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm ~~or %~~)	Zero Check	Meter Reading (ppm ~~or %~~)	Calibration Notes and Comments
7/19	7:15am	Humid, Sunny Hot	Isobutylene	100 ppm	✓	0.0 ppm	
7/20	7:50am	Hot, Sunny, Humid, Hazy	Isobutylene	100 ppm	✓	0.0 ppm	
7/23	7:00am	Hot, Sunny, Humid, Hazy	Isobutylene cm	~~910~~ 100 ppm	✓	0.0 ppm	
7/24	6:55am	Hot, Sunny, Humid, Hazy	Isobutylene	100 ppm	✓	0.0 ppm	
7/25	7:10am	Rain, Cloudy, Mild	Isobutylene	99.3 ppm	✓	0.0 ppm	
7/26	7:00am	Sunny, Mild	Isobutylene	100 ppm	✓	0.0 ppm	
7/27	7:15am	Sunny 70°F	Isobutylene	100 ppm	✓	0.0 ppm	
7/30	7:00am	Cloudy, Hot	Isobutylene	~~100 ppm~~	=	~~0.0 ppm~~	Not Functioning
7/31	7:00am	Hot, Sunny Hot/Humidity	Isobutylene		=		Not Functioning
8/1	7:06am	Hot, Sunny Hot/Humidity	Isobutylene	100 ppm	✓	0.0 ppm	
8/2	7:30am	Rain, Hot	Isobutylene	100 ppm	✓	0.0 ppm	
8/3	6:50am	Cloudy, Humid, Hot	Isobutylene	99.9 ppm	✓	0.0 ppm	
8/6	6:45am	Hot, Sunny 90°	Isobutylene	100 ppm	✓	0.0 ppm	
8/7	6:55am	Hot, Sunny 95°	Isobutylene	100 ppm		0.0 ppm	

0-001464

110-002141

Rogers Park Main
Real Time Instrument Calibration Log

Project: Rogers Park Main
Project #: 27194-4.07

Instrument: MiniRae 2000
Manufacturer: Rae Systems, Inc
Serial No.: 110-002141

Burns & McDonnell
SINCE 1898

Date	Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments
8/8	7:00am	Hot 95° Sunny	Isobutylene	100ppm	✓	0.0ppm	
8/9	7:00am	Hot 95° Sunny	Isobutylene	100ppm	✓	0.0ppm	
8/10	7:15am	Mild 75° Sunny	Isobutylene	100ppm	✓	0.0ppm	
8/13	7:00am	Mild 80° Overcast ~~Sunny~~	Isobutylene	100ppm	✓	0.0ppm	
8/14	7:15am	Sunny 78°	Isobutylene	100ppm	✓	0.0ppm	
8/15	7:30am	Sunny 80°	Isobutylene	100ppm	✓	0.0ppm	
8/16	7:50am	Rain 75°	Isobutylene	100ppm	✓	0.0ppm	
8/17	7:05am	Sunny 80° ~~75°~~	Isobutylene	100ppm	✓	0.0ppm	
8/20	7:15am	Sunny 75°	Isobutylene	100ppm	✓	0.0ppm	
8/21	7:00am	Sunny 82°	Isobutylene	100ppm	✓	0.0ppm	
8/22	7:05am	Cloudy, Rain Humid 80°	Isobutylene	100ppm	✓	0.0ppm	
8/23	7:00am	Cloudy, Rain Humid 75°	Isobutylene	100ppm	✓	0.0ppm	
8/24	7:10am	Sunny 80°	Isobutylene	100ppm	✓	0.0ppm	
8/27	7:20am	Sunny 80°	Isobutylene	100ppm	✓	0.0ppm	

Rogers Park Main
Real Time Instrument Calibration Log

Project: Rogers Park Main
Project #: 27194-4.07

Instrument: MiniRae 2000
Manufacturer: Rae Systems, Inc
Serial No.: 110-002141

Burns & McDonnell SINCE 1898

Date	Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments
8/28	7:45am	Sunny 80°	Isobutylene	100ppm	✓	0.0ppm	
8/29	7:45am	Sunny 80°	Isobutylene	100ppm	✓	0.0ppm	
8/30	6:50am	Sunny 85°	Isobutylene	100ppm	✓	0.0ppm	
8/31/01	7:10am	Sunny/70°	Isobutylene	101ppm	✓	0.1ppm	meter zeroed but still had readings in ambient 0.00 to .05
9/4/01	7:00am	Sunny 75°	Isobutylene	100ppm	✓	0.0ppm	
9/5/01	7:00am	Sunny 75°	Isobutylene	100ppm	✓	0.0ppm	
9/6	7:30am	Partly cloudy 80°	Isobutylene	100ppm	✓	0.0ppm	
9/7	7:30am	Partly cloudy 85° humid	Isobutylene	100ppm	✓	0.0ppm	
9/10	7:30am	Sunny 75°	Isobutylene	100ppm	✓	0.0ppm	
9/11	7:25am	Sunny 80°	Isobutylene	100ppm	✓	0.0ppm	
9/12	7:25am	Sunny 85°	Isobutylene	100ppm	✓	0.0ppm	
9/13	7:30am	Sunny 70°	Isobutylene	100ppm	✓	0.0ppm	
9/14	7:30am	Sunny 65°	Isobutylene	100ppm	✓	0.0ppm	
9/17	6:40am	Sunny 70°	Isobutylene	100ppm	✓	0.0ppm	

Rogers Park Main
Real Time Instrument Calibration Log

Project: Rogers Park Main
Project #: 27194-4.07

Instrument: MiniRae 2000
Manufacturer: Rae Systems, Inc
Serial No.: 110-002141

Burns & McDonnell SINCE 1898

Date	Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments
9/18	6:30am	Humid, Cool 70°	Isobutylene	100ppm	✓	0	
9/19	7:00am	Rain 70°	Isobutylene	100ppm	✓	0	
9/20	7:00am	Sunny 70°	Isobutylene	100ppm	✓	0	
9/24	7:25am	Cloudy Cool 55°	Isobutylene	100ppm	✓	0	
9/25	7:30am	Cool Sunny 55°	Isobutylene	100ppm	✓	0	
9/26	7:30 am	Cool 55° Partly Cloudy	Isobutylene	100ppm	✓	0	
9/27	7:30am	Cool Sunny 65°	Isobutylene	100ppm	✓	0	
9/28	7:30am	Sunny 70°	Isobutylene	100 ppm	✓	0	
10/1	7:30am	Sunny 70°	Isobutylene	100ppm	✓	0	
			Isobutylene				
			Isobutylene				
			Isobutylene				
			Isobutylene				
			Isobutylene				

A.L. 0.15

Rogers Park Main
Real Time Instrument Calibration Log

Project: Rogers Park Main
Project #: 27194-4.07

Instrument: MiniRam
Manufacturer: MIE
Serial No.: 02067

Burns & McDonnell SINCE 1898

Date	Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (~~ppm or %~~) mg/m3	Calibration Notes and Comments
7/19	10:30	Sunny Hot Humid	—	—	✓	0.00	
7/20	7:30	Sunny Hot, Humid, Hazy	—	—	✓	0	
7/23	7:05	Hot, Sunny, Humid, Hazy	—	—	✓	0	
7/24	6:45	Hot Sunny, Humid, Hazy	—	—	✓	0	
7/25	7:05	Rain, Cloudy, Mild	—	—	✓	0	
7/26	7:20am	Sunny, Mild	—	—	✓	0	
7/27	7:10Am	Sunny Hot	—	—	✓	0	Based on background as 0.000
7/30	7:30am	Sunny, Hot	—	—	✓	0	
7/31	7:00am	Sunny, Hot Heat Advisory	—	—	✓	0	
8/1	7:00am	Hot, Sunny Heat Warning	—	—	✓	0	
8/2	7:15	Rain, Hot	—	—	✓	0	
8/3	6:50am	Cloudy, Humid, Hot	—	—	✓	0	
8/6	6:50am	Hot, 90° Sunny	—	—	✓	0	
8/7	6:55am	Hot, Sunny 95°	—	—	✓	0	

Rogers Park Main
Real Time Instrument Calibration Log

Project: Rogers Park Main
Project #: 27194-4.07

Instrument: MiniRam
Manufacturer: MIE
Serial No.: 02067

Burns & McDonnell
SINCE 1898

Date	Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading ~~(ppm or %)~~ mg/m³	Calibration Notes and Comments
8/8	7:00am	Hot 95° Sunny	—	—	✓	0	
8/9	7:00am	Hot 95° Sunny	—	—	✓	0	
8/10	7:15am	MILD 75° Sunny	—	—	✓	0	
8/13	7:00am	MILD 80° OVERCAST	—	—	✓	0	
8/14	7:15am	Sunny 78°	—	—	✓	0	
8/15	7:30am	Sunny 80°	—	—	✓	0	
8/16	7:50am	RAIN 75°	—	—	✓	0	
8/17	7:05am	Sunny 80°	—	—	✓	0	
8/20	7:15am	Sunny 75°	—	—	✓	0	
8/21	7:00am	Sunny 82°	—	—	✓	0	
8/22	7:05am	Cloudy, RAIN Humid 80°	—	—	✓	0	
8/23	7:00am	Cloudy, RAIN Humid 75°	—	—	✓	0	
8/24	7:10am	Sunny 80°	—	—	✓	0	
8/27	7:20am	Sunny 80°	—	—	✓	0	

Rogers Park Main
Real Time Instrument Calibration Log

Project: Rogers Park Main
Project #: 27194-4.07

Instrument: MiniRam
Manufacturer: MIE
Serial No.: 02067

Burns & McDonnell
SINCE 1898

Date	Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading ~~(ppm or %)~~ mg/m3	Calibration Notes and Comments
8/28	7:45am	Sunny 80°	—	—	✓	0	
8/29	7:45am	Sunny 80°	—	—	✓	0	
8/30	6:50am	Sunny 85°	—	—	✓	0	
8/31	6:50AM	Sunny 70°	—	—	✓	0	
9/4	7:00am	Sunny 75°	—	—	✓	0	
9/5	7:00am	Sunny 75°	—	—	✓	0	
9/6	7:30am	~~Sunny~~ Partly Cloudy 80°	—	—	✓	0	
9/7	7:30am	Partly Cloudy 85°	—	—	✓	0	
9/10	7:30am	Sunny 75°	—	—	✓	0	
9/11	7:25am	Sunny 80°	—	—	✓	0	
9/12	7:25am	Sunny 85°	—	—	✓	0	
9/13	7:30am	Sunny 70°	—	—	✓	0	
9/14	7:30am	Sunny 65°	—	—	✓	0	
9/17	6:40am	Sunny 70°	—	—	✓	0	

Rogers Park Main
Real Time Instrument Calibration Log

Project: Rogers Park Main
Project #: 27194-4.07

Instrument: MiniRam
Manufacturer: MIE
Serial No.: 02067

Burns & McDonnell
SINCE 1898

Date	Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments
9/18	6:45am	Humid, Cool 70°	—	—	✓	0	
9/19	7:00am	Rain 70°	—	—	✓	0	
9/20	7:00am	Sunny 70°	—	—	✓	0	
9/24	7:25am	Cloudy Cool 55°	—	—	✓	0	
9/25	7:30am	Cool Sunny 55°	—	—	✓	0	
9/26	7:30am	Cool 58° Pretty Sunny	—	—	✓	0	
9/27	7:30am	Sunny Cool 65°	—	—	✓	0	
9/28	7:30am	Sunny 70°	—	—	✓	0	
10/1	7:30am	Sunny 70°	—	—	✓	0	

Ambient Air Sampling Field Data Sheet

Project Name: Rogers Park Main - Peoples Gas

Project Number: 27194-4.07

Weather Conditions: Sunny, Mild

Date: 7-26-01

Air Monitoring Equipment Used MiniRae 2000, MiniRam, Drager Tubes

Sampler: Courtney Marhoefer

Time	Sample Location	Readings			Activities on site	Corrective Action Taken[3]
		Dust Monitor	PID	Benzene Tube		
8:00am	IN PIT (BOTTOM)	0.018	0.2±		EXCAVATION TO 12'	MUST WEAR RESPIRATOR IF ENTER PIT

NOTES:

(1) Benzene tubes readings only required if fence line readings for PID exceed action level of 236 ppb.
(2) Engineering controls required when dust levels exceed .015 mg/m3.
(3) Corrective Actions are as follows;
- A. Foamed excavated area.
- B. Re-sampled and found new levels below action levels.
- C. Upgraded to level C.
- D. Contacted project manager.
- E. Shut-down project.
- F. Below background results at specified location: no action taken.

Ambient Air Sampling Field Data Sheet

Project Name: Rogers Park Main - Peoples Gas

Project Number: 27194-4.07

Weather Conditions: HEAT WARNING, HEAT INDEX 105°-110°, SUNNY

Date: 8-1-01

Air Monitoring Equipment Used MiniRae 2000, MiniRam, Drager Tubes

Sampler: CONRTNEY WARTHOFFER

Time	Sample Location	Readings			Activities on site	Corrective Action Taken[3]
		Dust Monitor	PID	Benzene Tube		
10:00am	PARKING LOT AREA				LOADING/EXCAVATING SPECIAL WASTE	BECAUSE OF EXCESSIVE HEAT- VISIBLE DUSTS, THEREFORE, HAD EFS SPRAY WATER ON PARKING LOT

NOTES:

(1) Benzene tubes readings only required if fence line readings for PID exceed action level of 236 ppb.
(2) Engineering controls required when dust levels exceed .015 mg/m3.
(3) Corrective Actions are as follows;
- A. Foamed excavated area.
- B. Re-sampled and found new levels below action levels.
- C. Upgraded to level C.
- D. Contacted project manager.
- E. Shut-down project.
- F. Below background results at specified location: no action taken.

Ambient Air Sampling Field Data Sheet

Project Name: Rogers Park Main - Peoples Gas

Project Number: 27194-4.07

Weather Conditions: HEAVY RAIN, LIGHTENING, HOT

Date: 8-2-01

Air Monitoring Equipment Used MiniRae 2000, MiniRam, Drager Tubes

Sampler: COURTNEY MARHOEFER

Time	Sample Location	Readings			Activities on site	Corrective Action Taken[3]
		Dust Monitor	PID	Benzene Tube		
8:00am					HEAVY RAIN, LIGHTENING	SHUT DOWN
						PROJECT
						TEMPORARILY
2:30pm	CENTER PILE OF		0.2±		PILE OF EXCAVATED HAZ	COVER WITH
	EXCAVATED HAZ WASTE				WASTE FROM CENTER OF	PLASTIC -
					HOLDER	ANYONE WORKING
						AROUND IT TO
						WEAR A
						RESPIRATOR

NOTES:

(1) Benzene tubes readings only required if fence line readings for PID exceed action level of 236 ppb.
(2) Engineering controls required when dust levels exceed .015 mg/m3.
(3) Corrective Actions are as follows;
- A. Foamed excavated area.
- B. Re-sampled and found new levels below action levels.
- C. Upgraded to level C.
- D. Contacted project manager.
- E. Shut-down project.
- F. Below background results at specified location: no action taken.

Ambient Air Sampling Field Data Sheet

Project Name: Rogers Park Main - Peoples Gas

Project Number: 27194-4.07

Weather Conditions: Hot, Humid, Cloudy

Date: 8-3-01

Air Monitoring Equipment Used MiniRae 2000, MiniRam, Drager Tubes

Sampler: Courtney Marhoffer

Time	Sample Location	Readings			Activities on site	Corrective Action Taken[3]
		Dust Monitor	PID	Benzene Tube		
	Near Holders & Tar Tanks				2 Piles of Haz Waste with Heavy Coal Tar Odors	Covered with Plastic until Haz Waste Trucks Arrive to Haul offsite

NOTES:

(1) Benzene tubes readings only required if fence line readings for PID exceed action level of 236 ppb.
(2) Engineering controls required when dust levels exceed .015 mg/m3.
(3) Corrective Actions are as follows;
- A. Foamed excavated area.
- B. Re-sampled and found new levels below action levels.
- C. Upgraded to level C.
- D. Contacted project manager.
- E. Shut-down project.
- F. Below background results at specified location: no action taken.

Ambient Air Sampling Field Data Sheet

Project Name: Rogers Park Main - Peoples Gas

Project Number: 27194-4.07

Weather Conditions: HOT, SUNNY, 90°

Date: 8-6-01

Air Monitoring Equipment Used MiniRae 2000, MiniRam, Drager Tubes

Sampler: CONRTNEY MARHOEFER

Time	Sample Location	Readings: Dust Monitor	Readings: PID	Readings: Benzene Tube	Activities on site	Corrective Action Taken[3]
8:00am	PARKING LOT	VISIBLE DUST			EXCAVATING HAZ WASTE - DUMPING WASTE	SPRAY DOWN PARKING LOT W/H2O
9:00am	NEAR HOLDER		0.2±	0.0	PILE OF HAZ WASTE -	TOLD OPERATOR
			(NOT CONSISTENTLY		LOADING HAZ WASTE - ODORS	TO WEAR RESPIRATOR
			0.2+)			IF NOT FEELING
						WELL - COVERED
						WITH PLASTIC

NOTES:

(1) Benzene tubes readings only required if fence line readings for PID exceed action level of 236 ppb.
(2) Engineering controls required when dust levels exceed .015 mg/m3.
(3) Corrective Actions are as follows;
- A. Foamed excavated area.
- B. Re-sampled and found new levels below action levels.
- C. Upgraded to level C.
- D. Contacted project manager.
- E. Shut-down project.
- F. Below background results at specified location: no action taken.

Ambient Air Sampling Field Data Sheet

Project Name: Rogers Park Main - Peoples Gas

Project Number: 27194-4.07

Weather Conditions: Hot, Sunny, 95° Heat Index 105°

Date: 8-7-01

Air Monitoring Equipment Used MiniRae 2000, MiniRam, Drager Tubes

Sampler: Courtney Warehopper

Time	Sample Location	Readings			Activities on site	Corrective Action Taken[3]
		Dust Monitor	PID	Benzene Tube		
8:00am	Near Gas Holder		0.2±		Excavating/Loading Haz	Covered with
					Waste - Pile of Haz	Plastic
					Waste ~~[illegible]~~ Near Holder	

NOTES:

(1) Benzene tubes readings only required if fence line readings for PID exceed action level of 236 ppb.
(2) Engineering controls required when dust levels exceed .015 mg/m3.
(3) Corrective Actions are as follows;
- A. Foamed excavated area.
- B. Re-sampled and found new levels below action levels.
- C. Upgraded to level C.
- D. Contacted project manager.
- E. Shut-down project.
- F. Below background results at specified location: no action taken.

Ambient Air Sampling Field Data Sheet

Project Name: Rogers Park Main - Peoples Gas

Project Number: 27194-4.07

Weather Conditions: Hot, 95° Heat Index 110°, Sunny

Date: 8-8-01

Air Monitoring Equipment Used MiniRae 2000, MiniRam, Drager Tubes

Sampler: Courtney Warhoffer

Time	Sample Location	Readings			Activities on site	Corrective Action Taken[3]
		Dust Monitor	PID	Benzene Tube		
1:00pm	Near Holder		0.2±	0	Excavating Haz waste	Covered with
					From the Holder -	Plastic
					Strong odor	

NOTES:

(1) Benzene tubes readings only required if fence line readings for PID exceed action level of 236 ppb.
(2) Engineering controls required when dust levels exceed .015 mg/m3.
(3) Corrective Actions are as follows;
- A. Foamed excavated area.
- B. Re-sampled and found new levels below action levels.
- C. Upgraded to level C.
- D. Contacted project manager.
- E. Shut-down project.
- F. Below background results at specified location: no action taken.

APPENDIX F
AMBIENT AIR CALCULATIONS

Table F-1
Values Used For Allowable Concentration at Receptor
Rogers Park Main Parcel

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Surface/Subsurface Soil
Exposure Point: Surface Soil
Receptor Population: Residential User
Receptor Age: Child/Adult

Exposure Route	Parameter Code	Parameter Definition	Units	Value	Rationale/ Reference	Intake Equation
Inhalation	IRn	Inhalation Rate (Non-Cancer)*	m3/hr	0.81	USEPA 1997	Non-Cancer Equation:
	IRc	Inhalation Rate (Cancer)**	m3/hr	1.9	USEPA 1997	Allowable Concentration at Receptor (Cb,r) (ug/m3) =
	EF	Exposure Frequency	days/year	40	USEPA 1991	(TRn x BWn x ATn x TDn x 1000ug/mg)/(EF x ED x IRn)
	ED	Exposure Duration	years	1	USEPA 1991	
	TRc	Target Risk (Cancer)	unitless	0.0000010	Assumed	
	TRn	Target Risk (Non-Cancer)	unitless	0.3	Assumed	Cancer Equation:
	BWc	Body Weight (Cancer)	kg	70	USEPA 1991	Allowable Concentration at Receptor (Cb,r) (ug/m3) =
	BWn	Body Weight (Non-Cancer)	kg	15	USEPA 1991	(TRc x BWc x ATc X 1000ug/mg)/(EF x ED x TDc x IRc)
	ATc	Averaging Time (Cancer)	days	25,550	USEPA 1991	
	ATn	Averaging Time (Non-Cancer)	days	365	USEPA 1991	
	TDc	Toxicity Data (Cancer)	(kg-day/mg)	See Table D-3		
	TDn	Toxicity Data (Non-Cancer)	(mg/kg-day)	See Table D-2		

SOURCES:

Illinois EPA 2001: Title 35: Environmental Protection, Subtitle G, Chapter I, Subchapter f, Part 742: Tiered Approach to Corrective Action Objectives (TACO), Appendix C, Table B

USEPA 1991: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual - Supplemental Guidance, Standard Default Exposure Factors. Interim Final OSWER Directive 9285.6-03, March 15

USEPA 1993: Superfund's Standard Default Exposure Factors for the Central Tendency and Reasonable Maximum Exposure, November 4

USEPA 1997: Exposure Factors Handbook: Volume I - General Factors, August.

NOTES:

* Inhalation Rate used in non-cancer intake equation was calculated assuming residential expsosure of 0-6 year old child to outdoor air for 8 hours/day (IRn = 6.48 m3/day) based on the 1997 Exposure Factor Handbook.

** Inhalation Rate used in cancer intake equation was calculated assuming residential expsosure of an adult to outdoor air for 8 hours/day (IRc = 15.2 m3/day) based on the 1997 Exposure Factor Handbook

Table F-2
Non-Cancer Toxicity Data -- Inhalation
Rogers Park Main Parcel

Chemical of Potential Concern	Chronic/ Subchronic	Adjusted Inhalation RfD	Units	Primary Target Organ	Sources of RfC:RfD/ Target Organ	Dates (1) (MM/DD/YY)
Benzene	Chronic	1.7E-03	mg/kg-day	leukemia	USEPA Region III/IRIS,	3/16/2001
Toluene	Chronic	1.0E-01	mg/kg-day	developmental toxicity	USEPA Region III/IRIS,	3/16/2001
Ethylbenzene	Chronic	3.0E-01	mg/kg-day	CNS	USEPA Region III/IRIS,	3/16/2001

NOTES:

(1) Date of most recent search of IRIS.

IRIS = Integrated Risk Information System

TACO = Illinois EPA Tiered Approach to Corrective Action Objectives

Table F-3
Cancer Toxicity Data -- Inhalation
Rogers Park Main Parcel

Chemical of Potential Concern	Inhalation Cancer Slope Factor	Units	Weight of Evidence/ Cancer Guideline Description	Source	Date (2) (MM/DD/YY)
Benzene	2.9E-02	(mg/kg-day) $^{-1}$	A	IRIS	3/16/2001

NOTES:

NA = Not available

IRIS = Integrated Risk Information System

(2) Date of most recent search of IRIS

EPA Group:

A - Human carcinogen

B1 - Probable human carcinogen - indicates that limited human data are available

B2 - Probable human carcinogen - indicates sufficient evidence in animals and inadequate or no evidence in humans

C - Possible human carcinogen

D - Not classifiable as a human carcinogen

E - Evidence of noncarcinogenicity

Table F-4
Allowable Vapor Concentration at Source
Rogers Park Main Parcel

Equation 1:

ER* = Cb,r x W,r x Hb,r x Um,r

Equation 2:

Cb,s* = ER / (W,s x Hb,s x Um,s)

Where:

ER = Emission rate (ug/s)
Cb,r = Allowable vapor concentration in box at receptor location (ug/m³)
W,r = Width of box from source area to receptor location (m)
Hb,r = Mixing height in box at receptor location (m)
Cb,s = Allowable vapor concentration in box at source (ug/m³)
W,s = Width of box at source area (m)
Hb,s = Mixing height in box at source (m)
Um,r or s* = Wind speed in mixing zone (m/s)
Where:
Um,r or s = 0.228 x U10 x ln(2.5 x Hb,r or s)
U10 is windspeed at 10 m elevation (m/s)

Variable Values:

Cb,r = Calculated
W,r = 122.0 m (distance from source to nearest residence)
Hb,r = 7.2 m (corresponding height based on box length)
W,s = 38.1 m (125 ft)
Hb,s = 2.95 m (corresponding height based on box length)
U10 = 4.69 m/s (IEPA, 2001)
Um,r = 3.1 m/s (calculated)
Um,s = 2.1 m/s (calculated)

Chemical	Cb,r (ug/m³)	ER (ug/s)	Cb,s (ug/m³)
Benzene	1.08E+001	2.92E+004	1.24E+002
Ethylbenzene	1.84E+003	4.99E+006	2.12E+004
Toluene	7.22E+002	1.96E+006	8.33E+003
Xylenes (Total)	--	--	--

NOTES:

*Gas Research Institute, 1988 Management of Manufactured Gas Plant Sites, Volume III: Risk Assessment GRI-87/0260.3.

Illinois EPA 2001: Title 35: Environmental Protection, Subtitle G, Chapter I, Subchapter f, Part 742: Tiered Approach to Corrective Action Objectives (TACO).

Table F-5
Allowable Chemical Vapor Concentrations
Rogers Park Main Parcel

Chemical	Vapor Concentration at Receptor ($\mu g/m^3$)		Vapor Concentation at Source ($\mu g/m^3$)		Action Level* ($\mu g/m^3$)	Action Level* (ppb)
	Noncancer Effects[1]	Cancer Effects[2]	Noncancer Effects[1]	Cancer Effects[2]		
VOCs						
Benzene	10.8	101	124	1,165	124	39
Ethylbenzene	1,838	--	21,201	--	21,201	4,883
Toluene	722	--	8,330	--	8,330	2,211
Xylenes (Total)	--	--	--	--	--	--

Notes:

[1] - Vapor concentrations at receptor location for noncancer effects calculated assuming residential exposure of 0-6 year old child to outdoor air for 8 hours/day over a 40 day exposure period (inhalation rate = 0.81 m^3/hour, body weight = 15kg, target hazard index - 0.3).

[2] - Vapor concentrations at receptor location for cancer effects calculated assuming residential exposure of an adult to outdoor air for 8 hours/day over a 40 day exposure period (inhalation rate = 1.9 m^3/hour, body weight = 70kg, target cancer risk = 1E-06).

* - Action level at the source is the lower calculated concentration between the noncancer and cancer effects.

Table F-6
Allowable Chemical Concentrations in Dust
Rogers Park Main Parcel

Benzo(a)anthracene[1]	
Dust Concentration in Ambient Air ($\mu g/m^3$)	Allowable Chemical Concentration in Dust ($\mu g/kg$)
15	321,488
50	96,446
100	48,223
150	32,149
200	24,112
250	19,289

Benzo(a)pyrene[1]	
Dust Concentration in Ambient Air ($\mu g/m^3$)	Allowable Chemical Concentration in Dust ($\mu g/kg$)
15	32,149
50	9,645
100	4,822
150	3,215
200	2,411
250	1,929

Benzo(b)fluoranthene[1]	
Dust Concentration in Ambient Air ($\mu g/m^3$)	Allowable Chemical Concentration in Dust ($\mu g/kg$)
15	321,488
50	96,446
100	48,223
150	32,149
200	24,112
250	19,289

Benzo(k)fluoranthene[1]	
Dust Concentration in Ambient Air ($\mu g/m^3$)	Allowable Chemical Concentration in Dust ($\mu g/kg$)
15	3,214,876
50	964,463
100	482,231
150	321,488
200	241,116
250	192,893

Chrysene[1]	
Dust Concentration in Ambient Air ($\mu g/m^3$)	Allowable Chemical Concentration in Dust ($\mu g/kg$)
15	184,833
50	55,450
100	27,725
150	18,483
200	13,862
250	11,090

Dibenz(a,h)anthracene[1]	
Dust Concentration in Ambient Air ($\mu g/m^3$)	Allowable Chemical Concentration in Dust ($\mu g/kg$)
15	32,149
50	9,645
100	4,822
150	3,215
200	2,411
250	1,929

Pyrene[2]	
Dust Concentration in Ambient Air ($\mu g/m^3$)	Allowable Chemical Concentration in Dust ($\mu g/kg$)
15	12,673,611
50	3,802,083
100	1,901,042
150	1,267,361
200	950,521
250	760,417

Notes:

[1] - Allowable chemical concentrations in dust for carcinogenic PAHs calculated assuming residential exposure of an adult to outdoor air for 8 hours/day over a 40 day exposure period (inhalation rate = 1.9 m^3/hour, body weight = 70kg, target cancer risk = 1E-06).

[2] - Allowable chemical concentrations in dust for pyrene calculated assuming residential exposure of 0-6 year old child to outdoor air for 8 hours/day over a 40 day exposure period (inhalation rate = 0.81 m^3/hour, body weight = 15kg, target hazard index - 0.3).

APPENDIX G
CONSTRUCTION DAILY REPORTS

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~SOUTH~~ PARCEL
POND/MAIN

Erosion Sediment Control Report	**Day** 110 **of Construction** **Date:** 6-13-01 WEDNESDAY
Project Name	Rogers Park Sub Shop ~~South~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	T. GRASS
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:
CONTINUED EXCAVATION & LOADING

Signature: T. Grass **Date:** 6-13-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~SOUTH~~ POND/MAIN PARCEL

Erosion Sediment Control Report	**Day** 17 **of Construction** **Date:** 6-14-01 THURSDAY
Project Name	Rogers Park Sub Shop ~~South~~ POND/MAIN Parcel Excavation
Location	Chicago, Illinois
Preparer's Name	T. GASS
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:
CONTINUED EXCAVATION & LOADING

Signature: T. D. Gass **Date:** 6-14-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~SOUTH~~ POND/MAIN PARCEL

Erosion Sediment Control Report	**Day** 18 **of Construction**	
	Date: 6-15-01 FRIDAY	
Project Name	Rogers Park Sub Shop ~~South~~ POND/MAIN Parcel Excavation	
Location	Chicago, Illinois	
Preparer's Name	T.D. GASS	
Title		

Project Status:
Is the project proceeding according to schedule? Yes [X] No [ ]
Discuss project status:

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes [X] No [ ]
If no, list controls not in place and provide an explanation why:

Comments:
RAIN OVER NIGHT
ALL SECTION RE-EVALUATED - NO EXCAVATION UNTIL ANALYTICAL IS RECEIVED.
LOADING FROM STOCKPILE

Signature: T.D. Gass **Date:** 6-15-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP ~~SOUTH~~ POND/MAIN PARCEL

MONDAY

Erosion Sediment Control Report	Day 19 of Construction Date: 6-18-01
Project Name	Rogers Park Sub Shop ~~South~~ POND/MAIN Parcel Excavation
Location	Chicago, Illinois
Preparer's Name	T. GASS
Title	

Project Status:
Is the project proceeding according to schedule? Yes [X] No [ ]
Discuss project status:

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes [X] No [ ]
If no, list controls not in place and provide an explanation why:

Comments:
FINISHED SOUTH EXCAVATION & SAMPLING
WAITING ANALYSIS

Signature: T. D. Gass **Date:** 6-18-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~SOUTH~~ PARCEL
POND/MAIN

WEDNESDAY

Erosion Sediment Control Report	Day 21 of Construction Date: 6-20-01
Project Name	Rogers Park Sub Shop ~~South~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	T. GASS
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☐ No ☐
Discuss project status:

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☐ No ☐
If no, list controls not in place and provide an explanation why:

Comments:
CONTINUED EXCAVATION & LOADING SOIL IN N.E. CORNER.

Signature: T.D. Gass **Date:** 6-20-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~SOUTH~~ PARCEL
POND/MAIN

THURSDAY

Erosion Sediment Control Report	**Day** 22 **of Construction**
	Date: 6-21-01

Project Name	Rogers Park Sub Shop ~~South~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	D. SAFTIC
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☐ No ☐
Discuss project status:

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☐ No ☐
If no, list controls not in place and provide an explanation why:

Comments: PLACED GRAVEL OVER NE PARCEL. EXCAVATED "POND" AREA. COLLECTED SAMPLES @ RPP-CS08 RPP-CS05, RPP-CS01 RPP-CS07 AND RPP-CS04. STARTED EXCAVATING RPP-CS09 SOME BLACK SUBSTANCE PRESENT (ODOR). DISCOVERED CONCRETE BLOCK IN SECTION ≈ RPP-CS03 WITH STAINING AND ODOR. BLOCK IS ~~APPROXIMATELY~~ AT LEAST 5' bgs. NO PID READINGS AT RPP CS03 AND RPP-CS09.

Signature: D. Saftic **Date:** 6/21/01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~SOUTH~~ PARCEL
POND/MAIN
FRIDAY

Erosion Sediment Control Report	**Day** 23 **of Construction**
	Date: 6-22-01

Project Name	Rogers Park Sub Shop ~~South~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	D. SAFTIC
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☐ No ☐
Discuss project status:

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☐ No ☐
If no, list controls not in place and provide an explanation why:

Comments: CONTINUED EXCAVATING "POND" PARCEL. ALLISON AND CHRIS (PEOPLES GAS) ONSITE WITH MARGARET KELLEY (BMcD) TO LOOK AT EXCAVATION @ EAST. CONCERNED WITH CONCRETE FOOTINGS FOUND WHILE EXCAVATING NEAR RPP-CS003 (STRONG ODOR). WAITING FOR DECISION ON HOW TO PROCEED WITH CONCRETE FOOTINGS. COLLECTED GW SAMPLES @ SITE.

Signature: D. Saftic **Date:** 6/22/01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~SOUTH~~ PARCEL
POND/MAIN
MONDAY

Erosion Sediment Control Report	Day 24 of Construction Date: 10-25-01
Project Name	Rogers Park Sub Shop ~~South~~ POND/MAIN Parcel Excavation
Location	Chicago, Illinois
Preparer's Name	T. GASS
Title	

Project Status:
Is the project proceeding according to schedule? Yes [X] No [ ]
Discuss project status:

80" - SUNNY - ORM

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes [ ] No [ ]
If no, list controls not in place and provide an explanation why:

Comments: CONTINUED EXCAVATION & LOADING FROM WEST PARCEL, RE-EXCAVATION OF EAST SECTION & SAMPLING OF AMP-CS-02-002

TRUCKS RETURNING W/ CA-6 CONCRETE FOR EAST PARKING AREA

Signature: T. Dl. **Date:** 10-25-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~SOUTH~~ PARCEL
POND/MAIN
TUESDAY

Erosion Sediment Control Report	Day 25 of Construction Date: 6-26-01
Project Name	Rogers Park Sub Shop ~~South~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	
Title	

Project Status:
Is the project proceeding according to schedule? Yes [X] No [ ]
Discuss project status:

80° - SUNNY - DRY

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes [✓] No [ ]
If no, list controls not in place and provide an explanation why:

Comments: CONTINUED LOADING & EXCAVATION OF WEST (POND) PARCEL

Signature: T. D. Lyon **Date:** 6-26-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~SOUTH~~ PARCEL
PONO/MAIN
WEDNESDAY

Erosion Sediment Control Report	**Day** 20 **of Construction**
	Date: 10-27-01

Project Name	Rogers Park Sub Shop ~~South~~ Parcel Excavation
Location	Chicago, Illinois PONO/MAIN
Preparer's Name	T. GASS
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☒ No ☐
Discuss project status:

SUNNY HI 80S

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☒ No ☐
If no, list controls not in place and provide an explanation why:

Comments:
CONTINUED EXCAVATION & LOADING FROM WEST PARCEL. COMPLETED EXCAVATION IN N.E. PARCEL & BACKFILLING W/ CA-6 CONCRETE FOR PARKING LOT

Signature: T. Gass **Date:** 10-27-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP ~~SOUTH~~ PARCEL
POND/MAIN
THURSDAY

Erosion Sediment Control Report	**Day** 27 **of Construction**
	Date: 6-28-01

Project Name	Rogers Park Sub Shop ~~South~~ Parcel Excavation POND/MAIN
Location	Chicago, Illinois
Preparer's Name	T. GLASS
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☒ No ☐
Discuss project status:

SUNNY HI 70s

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☒ No ☐
If no, list controls not in place and provide an explanation why:

Comments:
CONTINUED EXCAVATION & LOADING FROM WEST PARCEL

Signature: T. D. Glass **Date:** 6-28-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~SOUTH~~ PARCEL
PONO/MAIN
FRIDAY

Erosion Sediment Control Report	**Day** 28 **of Construction**
	Date: 6-29-01

Project Name	Rogers Park Sub Shop ~~South~~ Parcel Excavation
Location	Chicago, Illinois PONO/MAIN
Preparer's Name	T. GASS
Title	

Project Status:
Is the project proceeding according to schedule? Yes [/] No [ ]
Discuss project status:

SUNNY HI 80S

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes [X] No [ ]
If no, list controls not in place and provide an explanation why:

Comments:

CONTINUED LOADING & TRUCKING FROM WEST PARCEL TO C.F.D. LANDFILL.

Complete COMPACTION OF CA-6 BACKFILL IN N.E. PARKING LOT.

Completed EXCAVATION in WEST PARCEL pending SAMPLE RESULTS. & STARTUP OF EXCAVATION in EMPLOYEE PARKING LOT

Signature: T. O. Gass	**Date:** 6-29-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~SOUTH~~ POND/MAIN PARCEL

Erosion Sediment Control Report	**Day** 29 **of Construction** WEDNESDAY
	Date: 7-18-01
Project Name	Rogers Park Sub Shop ~~South~~ POND/MAIN Parcel Excavation
Location	Chicago, Illinois
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

HOT, HUMID

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:
MEASURED FOR SHEET PILING

Signature: Cathy L. Martin **Date:** 7-18-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~SOUTH~~ POND/MAIN PARCEL

Erosion Sediment Control Report	Day 30 of Construction (THURSDAY) Date: 7-19-01
Project Name	Rogers Park Sub Shop ~~South~~ POND/MAIN Parcel Excavation
Location	Chicago, Illinois
Preparer's Name	C. MARKHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

HUMID, HOT, SUNNY

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

- READIED AREA FOR SHEET PILING INSTALLATION
- MARKED GAS LINES
- INSTALLED WEATHER MONITOR

Signature: [signature] Date: 7-18-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~SOUTH~~ PARCEL
POND/MAIN
FRIDAY

Erosion Sediment Control Report	Day 31 of Construction Date: 7-20-01
Project Name	Rogers Park Sub Shop ~~South~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOFFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☒ No ☐
Discuss project status:

HOT, SUNNY, HUMID, HAZY

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☒ No ☐
If no, list controls not in place and provide an explanation why:

Comments:
- SHEET PILING PREP INSTALLATION
- REMOVED SOUTH FENCE

Signature: [signature] Date: 7-20-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP ~~SOUTH~~ POND/MAIN PARCEL

Erosion Sediment Control Report	Day MONDAY 321 of Construction Date: 7-23-01
Project Name	Rogers Park Sub Shop ~~South~~ POND/MAIN Parcel Excavation
Location	Chicago, Illinois
Preparer's Name	C. MARTHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

HOT, SUNNY, HUMID HAZY

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

- DROVE SHEET PILING
- INSTALLED TEMPORARY FENCE

Signature: Cathy L. Hayes Date: 7-23-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~SOUTH~~ POND/MAIN PARCEL

Erosion Sediment Control Report	Day TUESDAY 33 of Construction Date: 7-24-01
Project Name	Rogers Park Sub Shop ~~South~~ POND/MAIN Parcel Excavation
Location	Chicago, Illinois
Preparer's Name	C. MARCHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

HOT, HUMID, SUNNY, HAZY

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:
- INSTALLATION OF SHEET PILING
- EXPLORED EXPOSED SOUTHEAST VALVE BOX

Signature: [signature] Date: 7-24-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~SOUTH~~ POND/MAIN PARCEL

Erosion Sediment Control Report	Day WEDNESDAY 34 of Construction Date: 7-25-01
Project Name	Rogers Park Sub Shop ~~South~~ POND/MAIN Parcel Excavation
Location	Chicago, Illinois
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

RAIN, Cloudy, Mid 60

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

- MEASURED FOR HOLDER EXCAVATION
- BEGAN EXCAVATION OF HOLDER

Signature: [signature] Date: 7-25-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~SOUTH~~ POND/MAIN PARCEL

THURSDAY

Erosion Sediment Control Report	Day 35 of Construction Date: 7-26-01
Project Name	Rogers Park Sub Shop ~~South~~ POND/MAIN Parcel Excavation
Location	Chicago, Illinois
Preparer's Name	C. MARHOFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Sunny, Mild

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:
- BEGAN LOADING NON HAZ SOIL - BROUGHT TO CID
41 TRUCK LOADS

Signature: [signature] Date: 7-26-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP ~~SOUTH~~ POND/MAIN PARCEL

Erosion Sediment Control Report	Day 360 of Construction Date: 7-27-01
Project Name	Rogers Park Sub Shop ~~South~~ POND/MAIN Parcel Excavation
Location	Chicago, Illinois
Preparer's Name	C. MARTHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Sunny 70°F

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:
- PUMPED WHITE H_2O FROM HOLDER EXCAV. TO FRAC TANK
- EXCAVATED AND LOADED NON-HAZ. SOIL
- COLLECTED SOIL SAMPLES:
  RPM-CSH-01U RPM-CSH-03U
  RPM-CSH-01L RPM-CSH-03L
  RPM-CSH-02U RPM-CSH-04U
  RPM-CSH-02L RPM-CSH-04L

Signature: [signature] Date: 7-27-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~SOUTH~~ POND/MAIN PARCEL

MONDAY

Erosion Sediment Control Report	Day 37 of Construction Date: 7-30-01
Project Name	Rogers Park Sub Shop ~~South~~ POND/MAIN Parcel Excavation
Location	Chicago, Illinois
Preparer's Name	C. MARKHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Cloudy, Hot

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:
- EFS COMPLETED CUTTING 3" REBAR ON SOUTH SIDE OF HOLDER FOUNDATION
- EXCAVATION / LOADED NON HAZ. SOIL
46 TRUCK LOADS

Signature: [signature] Date: 7-30-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP - ~~SOUTH~~ POND/MAIN PARCEL

TUESDAY

Erosion Sediment Control Report	Day 30 of Construction Date: 7-31-01
Project Name	Rogers Park Sub Shop ~~South~~ POND/MAIN Parcel Excavation
Location	Chicago, Illinois
Preparer's Name	C. MARKHOFFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

HOT, SUNNY HEAT ADVISORY

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

- NON-HAZ SOIL EXCAVATION/LOADING FROM HOLDER
- BEGAN EXCAVATION AT STREET PILING
- SEPARATED HAZ FROM NON-HAZ SOIL
- BEGAN TRUCKING IN 3" CRUSHED CONCRETE
  34 TRUCKLOADS

Signature: [signature] Date: 7-31-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP ~~- POND~~ PARCEL
POND/MAIN

Erosion Sediment Control Report	**Day** WEDNESDAY 39 **of Construction** **Date:** 8-1-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☒ No ☐
Discuss project status:

HOT, SUNNY, HEAT WARNING

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☒ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

EXCAVATION/LOADING NON-HAZ SOIL
FROM BOTH HOLDER AND TAR TANK AREAS

PUMPED WATER FROM NEAR HOLDER AREA TO FRAC TANK

BEGAN EXCAVATION NEAR S.E. VALVE BOX

30 LOADS

Signature: [signature] **Date:** 8-1-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP ~~POND~~ PARCEL
POND/MAIN

Erosion Sediment Control Report	Day 40 of Construction Date: 8-2-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARTHOPER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

HOT, HEAVY RAIN

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

- EXCAVATION/LOADING NON-HAZ SOIL
- HEAVY RAIN SUSPENDED OPERATIONS - NO MORE TRUCKING
- SEPARATED HAZ FROM NON-HAZ. WASTE

13 LOADS

Signature: [signature] **Date:** 8-2-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP ~~POND~~ POND/MAIN PARCEL

FRIDAY

Erosion Sediment Control Report	**Day** 41 **of Construction**
	Date: 8-3-01

Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Cloudy, Humid, Hot

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

DUE TO HEAVY RAIN - SHEET PILING MOVED 3" FROM SIDEWALK - FILLED GAP

Comments:
- SURVEY
- EXCAVATION / LOADING NON-HAZ WASTE
- ~~BECAUSE OF~~
  66 TRUCK LOADS

TOOK SOIL SAMPLES: RPM-CSH-05U RPM-CSH-08U
RPM-CSH-05L RPM-CSH-08L
RPM-CST-01U RPM-CST-04U/04L
RPM-CST-01L RPM-CST-05U/05L
RPM-CST02U/02L

Signature: [signature] **Date:** 8-3-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ PARCEL
POND/MAIN

Erosion Sediment Control Report	**Day** 42 **of Construction**
	Date: 8-6-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

HOT, SUNNY, 90°F

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

BEGAN LOADING HAZ WASTE SOIL
BROUGHT IN FILL – 3" STONE & CAL
PUMPED H_2O FROM HOLDER / TAR TANK EXCAVATION
TO FRAC. TANK

11 LOADS HAZ
34 LOADS NON HAZ

Signature: [signature] **Date:** 8-6-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

Erosion Sediment Control Report	**Day** 43 **of Construction** TUESDAY
	Date: 8-7-01

Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

HOT, SUNNY, 95°F

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

LOADING HAZ SOIL – 7 LOADS
LOADING NON-HAZ – 1 LOAD

PUMPED WASTE WATER FROM HOLDER/TAR TANK EXCAVATIONS TO FRACK TANK

EXCAVATED TAR TANK AREA
BROUGHT IN CAL6 FILL

Signature: [signature] **Date:** 8-7-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ PARCEL

POND/MAIN
WEDNESDAY

Erosion Sediment Control Report	**Day** 44 **of Construction**
	Date: 8-8-01

Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

HOT, 95°, SUNNY

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

NON-HAZ / HAZ WASTE LOADED
EXCAVATED HOLDER AREA
MONITORING WELLS FILLED WITH BENTONITE
TOOK SAMPLES: RPM-CSH-09U/09L
RPM-CSH-04U/04L
10 LOADS HAZ 9 LOADS NON-HAZ.

Signature: [signature] **Date:** 8-8-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

Erosion Sediment Control Report	**Day** THURSDAY 45 **of Construction**
	Date: 8-9-01

Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

HOT, 95°F, SUNNY

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

EXCAVATED / LOADED NON-HAZ. / HAZ. WASTE
PUMPED WASTEWATER FROM HOLDER INTO FRACK TANK AND TANK TRUCK
BACKFILLED HOLDER EXCAVATION
8 LOADS HAZ. 31 LOADS NON-HAZ.

Signature: [signature] **Date:** 8-9-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

Erosion Sediment Control Report	**Day** 46 **of Construction** FRIDAY
	Date: 8/10/01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

MILD, 75°F, SUNNY

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

EXCAVATED/LOADED NON-HAZ. WASTE
PUMPED WATER FROM HOLDER INTO ~~FRAC~~ TANK
BACKFILLED - BROUGHT IN CA6
SURVEY ~~STREET~~ CURB, SIDEWALK, MANHOLES
37 LOADS

Signature: [signature] **Date:** 8-10-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

MONDAY

Erosion Sediment Control Report	**Day** 47 **of Construction**
	Date: 8-13-01

Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

MILD, 80° F, OVERCAST

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

EXCAVATED/LOADED NON-HAZ. WASTE – 13 LOADS

EXCAVATED TAR TANK AREA

BEGAN EXCAVATING / REMOVING 2" STEEL TAR PIPE SOUTH OF TAR TANK EXCAVATION EXCAVATED FULL LENGTH TO PROPERTY LINE.

PUMPED WATER FROM HOLDER

Signature: [signature] **Date:** 8/13-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

TUESDAY

Erosion Sediment Control Report	**Day** 48 **of Construction**
	Date: 8-14-01

Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. WARTHEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Sunny 78°F

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

EXCAVATED/LOADED NON-HAZ WASTE - 20 LOADS
BROUGHT IN 6 LOADS OF CA6 FILL
EXCAVATED HOLDER FOUNDATION

Signature: [signature] **Date:** 8-14-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ PARCEL
POND/MAIN

Erosion Sediment Control Report	WEDNESDAY **Day** 49 **of Construction** **Date:** 8-15-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Sunny, 80°F

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments: SET ARRIVED TO CLEAN S.E. VALVE BOX
LOADED NON-HAZ SOIL – 2 LOADS
EXCAVATED AROUND S.E. VB – ALSO UNCOVERED N.W. VALVE BOX
BACKFILLED HOLDER EXCAVATION – PUT BLACK FENCE FABRIC OVER 3" STONE – CA6 FILL ON TOP OF FABRIC
SAMPLED: RPM-CSF, 03U, 03L, 06U, 06L, 07U, 07L

Signature: [signature] **Date:** 8-15-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

Erosion Sediment Control Report	Day 50 of Construction (THURSDAY) Date: 8-16-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

RAIN 75°F

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

LOADED NON-HAZ WASTE – 16 LOADS
BACKFILLED 2" STEEL TAR PIPE TRENCH
PUT MORE FABRIC IN HOLDER EXCAVATION
REMOVED ASPHALT FROM PARKING LOT
SET ONSITE

Signature: [signature] **Date:** 8-16-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

FRIDAY

Erosion Sediment Control Report	**Day** 51 **of Construction**
	Date: 8-17-01

Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARCHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

SUNNY 80°F

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments: RECEIVED ROLL-OFF BOXES FROM HERITAGE
BEGAN CRUSHING HOLDER FOUNDATION
BEGAN EXPOSING N.E. VALVE BOX

SET ENV. ONSITE TO CLEAN VALVE BOXES –
REMOVED WATER AND SLUDGE

LOADED ROLL-OFF BOXES
NO TRUCKING
SURVEY

Signature: Timothy L. Hurley **Date:** 8-17-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

Monday

Erosion Sediment Control Report	Day 52 of Construction Date: 8-20-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Sunny 75°F

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:
SET CLEANED VALVE BOXES
4 ROLL-OFF BOXES DELIVERED – 2 TAKEN AWAY
REMOVED INSIDES OF VALVE BOX

Signature: [signature] **Date:** 8-20-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

TUESDAY

Erosion Sediment Control Report	**Day** 53 **of Construction**
	Date: 8-21-01

Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARTOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☒ No ☐
Discuss project status:

Sunny, 82°F

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☒ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

HERITAGE DELIVERED 2 ROLL-OFF BOXES AND PICKED 2 UP

SET ENV. ONSITE - CLEANED VALVE BOXES

VALVE BOX INSIDES REMOVED AND CLEANED

SURVEY

Signature: Timothy L. Martz **Date:** 8-21-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

WEDNESDAY

Erosion Sediment Control Report	**Day** 54 **of Construction** **Date:** 8-22-01
Project Name	Rogers Park Sub Shop ~~Pond~~ POND/MAIN Parcel Excavation
Location	Chicago, Illinois
Preparer's Name	C. MARHOFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Cloudy, Rain, Humid 80°F

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

EXCAVATED S.E. VALVE BOX
SET ONSITE
1 ROLL OFF TAKEN AWAY – 1 BROUGHT ONSITE
KANGAROO BROUGHT FILL

Signature: Cathy L. Marh **Date:** 8-22-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

THURSDAY

Erosion Sediment Control Report	**Day** 55 **of Construction**
	Date: 8-23-01

Project Name	Rogers Park Sub Shop ~~Pond~~ POND/MAIN Parcel Excavation
Location	Chicago, Illinois
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Cloudy, Rain, Humid, 75°F

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

SET ONSITE – PUMPED WATER
REMOVED ASPHALT
BROKE UP CONCRETE OF HOLDER FOUNDATION
LOADED ROLL-OFF BOXES

Signature: [signature] **Date:** 8-23-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

Erosion Sediment Control Report	Day 56 of Construction (FRIDAY) Date: 8-24-01
Project Name	Rogers Park Sub Shop ~~Pond~~ POND/MAIN Parcel Excavation
Location	Chicago, Illinois
Preparer's Name	C. MARTHOFFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

SUNNY 80°F

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

SET ONSITE – CLEANED S.E. VALVE BOX
LOADED 5 LOADS FROM TAR TANK
15 LOADS FROM S.E. VALVE BOX
RECEIVED CA6 FILL – BACKFILLED TAR TANK

Signature: [signature] **Date:** 8-24-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

Erosion Sediment Control Report	**Day** 57 **of Construction** (Monday)
	Date: 8-27-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. Martoefer
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☒ No ☐
Discuss project status:

Sunny 80°F

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☒ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

EXCAVATED / LOADED NON-HAZ. WASTE - 21 LOADS
EXCAVATED N.W. VALVE BOX
BACKFILLED HOLDER
1 POOL-OFF BOX DROPPED OFF - 1 PICKED UP
FABRIC IN TAR TANK EXCAVATION

Signature: Cathy L. Stafe **Date:** 8-27-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

Erosion Sediment Control Report	Day 58 of Construction Date: 8-28-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MacHoffer
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☒ No ☐
Discuss project status:

Sunny 80°F

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☒ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

LOADED NON-HAZ WASTE

SET ONSITE - PUMPED H_2O FROM N.W. VALVE BOX

REMOVED: 2 ROLL-OFFS BROUGHT 2 ROLL-OFF BOXES

Signature: [signature] Date: 8-28-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

Erosion Sediment Control Report	**Day** 59 **of Construction** WEDNESDAY
	Date: 8-29-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

SUNNY 80°F

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments: SET ONSITE
LOADED NON-HAZ WASTE FROM S.E. VALVE BOX
FILLED 5 ROLL-OFF BOXES FROM N.W. VALVE BOX
BACKFILLED UP AGAINST SHEET PILING
CRUSHED HOLDER FOUNDATION

Signature: [signature] **Date:** 8-29-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

THURSDAY

Erosion Sediment Control Report	Day 60 of Construction Date: 8-30-01
Project Name	Rogers Park Sub Shop ~~Pond~~ POND/MAIN Parcel Excavation
Location	Chicago, Illinois
Preparer's Name	C. MARTHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Sunny 85°F

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

LOADING WASTE FROM S.E. ~~[illegible]~~ & N.W. VALVE BOXES
SET ONSITE – PRESSURE WASHED N.W. VALVE BOX
SAMPLED: RPM-CSH-064-02
RPM-CSH-074-02

Signature: [signature] **Date:** 8-30-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ PARCEL
POND/MAIN
FRIDAY

Erosion Sediment Control Report	**Day** 61 **of Construction**
	Date: 8-30-01

Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Sunny 70°

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:
PUMPED WATER
SET ONSITE

Signature: [signature] **Date:** 8-31-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ PARCEL
POND/MAIN

Erosion Sediment Control Report	Day 62 of Construction Date: 9-03-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARTHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments: GEORGE ONSITE TO PUMP WATER

Signature: [signature] **Date:** 9-3-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

TUESDAY

Erosion Sediment Control Report	Day 03 of Construction Date: 9-4-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Sunny 75°F

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

PUMPED WATER
EXCAVATED & REMOVED 24" PIPE IN S.E. CORNER OF PROPERTY
SURVEY

Signature: [signature] **Date:** 9-4-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

Erosion Sediment Control Report	**Day** 64 **of Construction** WEDNESDAY
	Date: 9-5-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes [X] No [ ]
Discuss project status:

Sunny 75°

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes [X] No [ ]
If no, list controls not in place and provide an explanation why:

Comments:

LOADED NON-HAZ. WASTE - 7 LOADS
EXCAVATED 24" PIPE
2 ROLL-OFF BOXES TAKEN AWAY

Signature: Patty L. Murphy **Date:** 9-5-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

THURSDAY

Erosion Sediment Control Report	Day 65 of Construction Date: 9-6-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

PARTLY CLOUDY 80°

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

BACKFILLING 24" PIPE EXCAVATION W/CA-6
USED MAGNET TO PICK UP METAL IN FILL
IN BACK PARKING LOT
UNITED SCRAP PICKED UP METAL
PICK UP ROLL-OFF BOX

Signature: [signature] Date: 9-6-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ PARCEL
POND/MAIN

Erosion Sediment Control Report	Day 66 of Construction Date: 9-7-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

PARTLY CLOUDY, HUMID, 85°F

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

LOADED NON-HAZ SOIL – 5 LOADS
2 ROLL OFF BOXES TAKEN AWAY
BROUGHT CA6 ONSITE
PUMPED WATER
EXCAVATED AROUND S.E. VALVE BOX

Signature: Cathy L. [illegible] **Date:** 9-7-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

Erosion Sediment Control Report	**Day** 67 **of Construction**
	Date: 9-10-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARTOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Sunny 75°

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

SET ONSITE – DECON. FRACK TANK
BACKFILLED AGAINST SHEET PILING
EXCAVATED HOLDER FOUNDATION
LOADED NON-HAZ. WASTE

Signature: Cathy L. Martoefer **Date:** 9-10-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ PARCEL
POND/MAIN
TUESDAY

Erosion Sediment Control Report	**Day** 68 **of Construction**
	Date: 9-11-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Sunny 80°

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments: ~~SEAL PRESSURE WASHED S.E. VALVE BOX~~
~~SEAL~~ LOADED 2 LOADS ~~OF~~ NON HAZ. WASTE

Signature: [signature] **Date:** 9-11-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ PARCEL
POND/MAIN

WEDNESDAY

Erosion Sediment Control Report	**Day** 69 **of Construction**
	Date: 9-12-01

Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. WARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:
Sunny 85°

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:
LOADED NON-HAZ. WASTE – 5 LOADS
EXCAVATED HOUSE FOUNDATION
TOOK DOWN EAST PORTION OF PARKING LOT FENCE

Signature: [signature] **Date:** 9-12-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ PARCEL
POND/MAIN

Erosion Sediment Control Report	**Day** THURSDAY 70 **of Construction**
	Date: 9-13-01

Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel/Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☒ No ☐
Discuss project status:

Sunny 70°

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☒ No ☐
If no, list controls not in place and provide an explanation why:

Comments:
DART PICKED UP ROW OF BOXES (EMPTY)
10 LOADS OF CA6 BROUGHT TO SITE
EXCAVATED HOLDER FOUNDATION

Signature: [signature] **Date:** 9-13-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ PARCEL
POND/MAIN

Erosion Sediment Control Report	**Day** FRIDAY 71 **of Construction**
	Date: 9-14-01

Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MATHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☒ No ☐
Discuss project status:

Sunny 65°

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☒ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

LOADED NON-HAZ. WASTE – 23 LOADS
EXCAVATED 2" TAP PIPE NEAR S.E. VALVE BOX

Signature: Cathy L. Hoff **Date:** 9-14-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

MONDAY

Erosion Sediment Control Report	**Day** 72 **of Construction** **Date:** 9-17-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MacHarper
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Sunny 70°

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

LOADING NON-HAZ WASTE – 14 LOADS
DEMO. BUILDING IN N.W. CORNER
BACKFILLED
EXCAVATED HOLDER FOUNDATION

Signature: [signature] **Date:** 9-17-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ PARCEL
POND/MAIN

Erosion Sediment Control Report	Day TUESDAY 73 of Construction Date: 9-18-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

HUMID, COOL 70°

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

LOADED BUILDING RUBBLE
BACKFILLED
LOADED 9 LOADS OF NON-HAZ WASTE

Signature: [signature] Date: 9-18-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

Erosion Sediment Control Report	**Day** 74 **of Construction** WEDNESDAY
	Date: 9-19-01

Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. WARHOOPER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

RAIN 70°

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

LOADED NON-HAZ. WASTE – 13 LOADS
PUMPED WATER
RECEIVED BACKFILL – CA6

Signature: Lanty L. [illegible] **Date:** 9-19-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

Erosion Sediment Control Report	**Day** 15 **of Construction** THURSDAY
	Date: 9-20-01

Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Sunny 70°

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

LOADED NON-HAZ SOIL - 28 LOADS
PUMPED WATER
BACKFILLED
SAMPLED: RPM-CS03-01
RPM-CS04-04

Signature: [signature] **Date:** 9-20-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

Erosion Sediment Control Report	Day 76 of Construction (FRIDAY) Date: 9-21-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Sunny 70°

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

EXCAVATED LEAD CONTAMINATION IN MAIN PARCEL

LOADED NON-HAZ WASTE - 24 LOADS

Signature: [signature] **Date:** 9-21-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

Erosion Sediment Control Report	**Day** 11 **of Construction** Monday **Date:** 9-24-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Cloudy, Cool 55°

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:
LOADED NON-HAZ WASTE - 29 LOADS
LEVELED UP FILL - BACKFILLED
SURVEY

Signature: [signature] **Date:** 9-24-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ PARCEL
POND/MAIN

TUESDAY

Erosion Sediment Control Report	Day 78 of Construction Date: 9-25-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. Wachhoeper
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Cool Sunny 55°

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

LOADED NON-HAZ. SOIL -12 LOADS
EXCAVATED NORTH PORTION OF HOLDER FOUNDATION
EXCAVATED & REMOVED 3" & 2" PIPES

Signature: [signature] **Date:** 9-25-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

WEDNESDAY

Erosion Sediment Control Report	Day 19 of Construction Date: 9-26-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOEFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

COOL, PARTLY CLOUDY, 55°

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

BACKFILLED
EXCAVATED NORTH HOLDER FOUNDATIONS
LOADED SCRAP STEEL

Signature: [signature] Date: 9-26-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

THURSDAY

Erosion Sediment Control Report	Day 80 of Construction Date: 9-27-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARTHOFFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Clear Sunny 65°

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

LOADED NON-HAZ WASTE
EXCAVATED AND REMOVED PIPES
BROUGHT IN FILL – CA6 & 3" STONE

Signature: [signature] Date: 9-27-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ POND/MAIN PARCEL

Erosion Sediment Control Report	Day 81 of Construction (FRIDAY) Date: 9-28-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. Marhoefer
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Sunny 70°

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:
LOADED NON-HAZ WASTE – 18 LOADS
BACKFILLED & LEVELED FILL

Signature: [signature] Date: 9-28-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ PARCEL
POND/MAIN
Monday

Erosion Sediment Control Report	Day 82 of Construction Date: 10-01-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	[signature]
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☑ No ☐
Discuss project status:

Sunny 70°

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☑ No ☐
If no, list controls not in place and provide an explanation why:

Comments:

LOADED NON-HAZ. SOIL
LEVELED BACKFILL
COMPLETED EXCAVATION OF N. HOLDER FOUNDATION

Signature: [signature] Date: 10-01-01

Erosion and Sediment Control
Monitoring Report
ROGERS PARK SUB SHOP – ~~POND~~ PARCEL
POND/MAIN

Erosion Sediment Control Report	Day 83 of Construction Date: 10-02-01
Project Name	Rogers Park Sub Shop ~~Pond~~ Parcel Excavation
Location	Chicago, Illinois POND/MAIN
Preparer's Name	C. MARHOFER
Title	

Project Status:
Is the project proceeding according to schedule? Yes ☒ No ☐
Discuss project status:

Erosion Controls:
Are appropriate erosion and sediment controls installed at this time? Yes ☒ No ☐
If no, list controls not in place and provide an explanation why:

Comments:
MEASURED TAR TANK AND HOLDER EXCAVATIONS

Signature: [signature] Date: 10-2-01

APPENDIX H
REMEDIAL ACTION DISPOSAL QUANTITIES

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
6/13/2001	9528055	15.600		
		17.680		
		13.690		
		17.810		
	9528056	16.720		
		17.430		
		14.210		
		21.260		
	9528057	19.130		
		19.080		
		14.630		
	9528058	13.620		
		13.240		
		13.900		
	9528059	16.000		
		14.400		
		18.960		
	9528060	17.250		
		19.670		
		19.190		
	9528061	18.960		
		17.990		
		23.140		
	9528062	17.720		
		16.120		
		18.680		
	9528063	16.560		
		15.880		
		20.610		
	9528064	18.810		
		16.410		
		21.030		
	9528065	19.110		
		16.670		
	9528066	16.360		
		14.880		
		19.040	641.440	641.440
6/19/2001	9528183	19.030		
		15.880		
		13.970		
		17.090		
		16.030		
	9528184	15.160		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
6/19/2001	9528184	17.220		
		20.210		
		14.750		
	9528185	20.600		
		18.900		
		19.930		
	9528186	20.190		
		15.920		
		18.800		
	9528187	19.850		
		14.900		
		22.480		
	9528188	17.680		
		17.870		
	9528189	16.480		
		17.560		
		16.430		
	9528190	16.450		
		11.380		
		17.220		
	9528191	13.560		
		15.870		
		14.370		
	9528192	18.140		
		16.030		
		17.870		
	9528193	13.310		
		13.530		
	9528194	17.870		
		16.530		
	9528195	15.780		
		15.190		
		10.920		
	9528196	15.600		
		14.910		
		15.290		
	9528197	16.380		
		17.110		
	9528198	17.490		
		16.920		
		18.060		
	9528199	18.240		
		14.280		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
6/19/2001	9528199	14.220		
	9528200	17.760		
		14.390		
		17.600		
	9528201	18.000		
		14.680		
		15.790		
	9528202	12.220		
		17.350	957.240	1598.680
6/20/2001	9528203	14.180		
		20.090		
		18.470		
		17.390		
	9528204	20.170		
		18.420		
		16.980		
		18.220		
	9528205	19.440		
		21.550		
		19.910		
		19.690		
	9528206	18.780		
		20.130		
		19.920		
	9528207	16.020		
		18.520		
		17.090		
		14.920		
	9528208	18.500		
		19.930		
		17.760		
		17.520		
	9528209	17.170		
		18.050		
		17.730		
		15.090		
	9528210	19.420		
		22.120		
		23.980		
		22.370		
	9528211	14.400		
		17.090		
		15.240		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
6/20/2001	9528211	13.900		
	9528212	17.980		
		20.430		
		17.790		
		16.880		
	9528213	16.780		
		21.730		
		19.660		
		16.700		
	9528214	17.440		
		17.410		
		19.120		
		18.160		
	9528215	21.100		
		21.370		
		20.010		
	9528216	17.480		
		19.770		
		17.770		
		18.610		
	9528217	21.310		
		19.090		
		16.810		
		17.860		
	9528218	18.520		
		16.480		
		16.910		
	9528219	21.600		
		19.940		
		17.660		
		16.960		
	9528220	20.410		
		19.480		
		17.050		
		19.620		
	9528221	18.210		
		18.060		
		17.730		
	9528222	15.190		
		17.250	1362.490	2961.170
6/21/2001	9528223	18.290		
		21.440		
	9528224	16.470		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
6/21/2001	9528224	19.570		
		18.800		
	9526225	20.300		
	9528226	22.750		
		23.710		
		27.490		
	9528227	19.600		
		18.450		
		22.210		
	9528228	17.710		
		20.360		
		19.760		
		19.500		
	9528229	19.140		
		19.600		
		18.130		
	9528230	18.920		
		20.890		
		19.530		
	9528231	19.910		
		19.870		
		21.070		
	9528232	19.280		
		17.810		
		19.780		
	9528233	14.780		
		15.730		
		16.780		
	9528234	17.200		
		23.410		
		21.780		
	9528235	17.160		
		24.050		
		26.990		
	9528236	16.460		
		21.000		
		20.760		
	9528237	17.630		
		18.130		
		20.680		
	9528238	17.720		
		22.400		
		19.770		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
6/21/2001	9528239	18.800		
		21.210		
		20.340		
	9528240	16.910		
		20.260		
		19.160		
	9528241	13.700		
		16.820		
		21.030	1081.000	4042.170
6/22/2001	9340141	20.080		
		21.690		
		20.300		
	9340142	20.800		
		22.550		
		22.280		
		19.640		
	9340143	18.880		
		18.680		
		19.960		
		17.410		
	9340144	22.820		
		17.930		
		15.410		
	9340145	17.890		
		16.450		
		16.790		
	9340146	20.200		
		16.570		
		18.490		
	9340147	17.850		
		14.980		
		17.790		
	9340148	23.030		
		22.300		
		24.410		
	9340149	18.700		
		18.110		
		19.770		
	9340150	18.490		
		17.790		
		16.090		
	9340210	19.270		
		18.960		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
6/22/2001	9340210	17.730		
	9340211	20.240		
		18.470		
		19.820		
	9340212	17.730		
		19.280		
		16.200		
	9340219	21.780		
		21.480		
		20.080		
	9340231	20.600		
		18.730		
		16.710		
	9528242	20.190		
		19.550		
		19.770		
		18.430		
	9528243	20.300		
		18.360		
		16.840		
		17.580		
	9528244	22.300		
		19.940		
		19.610		
		17.540		
	9528245	20.420		
		19.420		
		18.800		
		20.190		
	9528246	20.120		
		19.940		
		17.880		
		18.040		
	9528247	19.670		
		17.650		
		18.130		
		16.220		
	9528248	19.990		
		19.350		
		19.140		
		18.090		
	9528249	20.340		
		22.490		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
6/22/2001	9528249	20.840		
	9528250	20.120		
		21.110		
		18.190		
		19.620	1577.380	5619.550
6/25/2001	9340151	26.130		
		19.770		
		21.620		
	9340152	19.660		
		19.100		
		19.860		
	9340153	21.350		
		19.460		
		20.240		
	9340154	22.410		
		19.360		
		19.120		
	9340155	22.930		
		20.190		
	9340156	20.750		
		17.720		
		20.060		
	9340157	20.230		
		18.380		
		19.300		
	9340158	20.830		
		17.670		
		18.990		
	9340159	21.030		
		16.430		
		18.340		
	9340160	20.020		
		18.210		
		17.730		
	9340161	24.280		
		25.720		
		23.920		
	9340162	22.030		
		17.070		
		19.350		
	9340163	22.770		
		19.210		
		21.840		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
6/25/2001	9340164	21.830		
		21.010		
	9340167	19.970		
		20.700		
		18.660		
	9340168	18.340		
		17.850		
		17.540		
	9340169	22.150		
		20.860		
		19.340		
	9528426	23.910		
		18.760	1034.000	6653.550
6/26/2001	9340170	20.690		
		18.210		
		19.220		
	9340171	18.080		
		18.990		
	9340172	20.830		
		17.650		
		18.570		
		18.100		
	9340173	19.320		
		19.740		
	9340174	18.300		
		20.020		
		15.040		
		20.280		
	9340175	19.360		
		19.080		
		15.760		
		18.690		
	9340176	19.010		
		18.640		
		17.730		
		19.840		
	9340180	21.150		
		21.440		
		23.260		
	9340181	19.560		
		20.460		
		20.060		
		20.500		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
6/26/2001	9340182	20.810		
		19.080		
		19.690		
	9340183	23.890		
		22.580		
		25.640		
	9340184	19.310		
		17.860		
		17.410		
	9340185	21.190		
		19.860		
		21.730		
	9340186	20.680		
		14.630		
		20.590	882.530	7536.080
6/27/2001	9340187	21.040		
		18.000		
		17.840		
	9340188	26.190		
		24.900		
		21.470		
	9340189	18.320		
		16.960		
		16.890		
		16.710		
	9340190	20.560		
		20.470		
		18.610		
		18.030		
	9340191	18.110		
		20.460		
		21.120		
		17.520		
	9340192	19.160		
		16.870		
		16.930		
	9340193	20.280		
		16.300		
		19.630		
	9340194	21.460		
		18.940		
		21.180		
	9340195	20.080		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
6/27/2001	9340195	20.930		
		21.700		
	9340196	14.610		
		17.040		
	9340197	13.460		
		16.570		
		18.280		
	9340198	18.130		
		18.340		
	9340199	17.170		
		18.000		
	9340200	17.550		
		19.450		
	9340201	20.610		
	9340202	16.410	812.280	8348.360
6/28/2001	9340203	18.940		
		19.470		
		19.390		
	9340213	19.930		
		20.020		
		20.400		
	9340214	16.300		
		19.880		
		20.730		
		17.050		
	9340215	21.000		
		16.600		
		18.740		
		18.130		
	9340216	21.040		
		18.910		
		21.540		
		17.490		
	9340217	19.260		
		19.610		
		18.160		
	9340218	17.210		
		18.700		
		18.550		
		16.290		
	9340220	19.670		
		24.290		
		18.760		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
6/28/2001	9340220	19.120		
	9340221	18.980		
		17.270		
		19.240		
		16.940		
	9340222	19.620		
		21.950		
		22.040		
		20.360		
	9340223	19.590		
		20.340		
		18.300		
	9340224	18.580		
		16.740		
		18.780		
	9340225	22.460		
		23.490		
		22.750		
	9340226	21.150		
		19.250		
		19.570		
		17.680		
	9340227	21.810		
		22.430		
		24.110		
		18.980		
	9340228	17.570		
		20.770		
		20.600		
		17.920		
	9340229	17.560		
		19.140		
		16.220		
	9340230	18.740		
	9340232	19.170		
	9340233	18.910		
		18.660		
		17.760	1280.610	9628.970
6/29/2001	9340234	17.040		
		19.240		
		19.260		
	9340235	18.020		
		18.460		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
6/29/2001	9340235	23.230		
	9340236	20.270		
		19.540		
		17.110		
	9340237	13.950		
		16.240		
		17.870		
	9340238	18.260		
		19.140		
		20.940		
	9340239	17.500		
		15.780		
		20.420		
	9340240	18.540		
		19.420		
		19.320		
	9340241	12.720		
		16.380		
		17.410		
	9340242	16.840		
		18.610		
		15.660		
	9340243	21.980		
		18.950		
		15.150		
	9340244	17.520		
		20.450		
		16.680		
	9340246	19.540		
		20.760		
		18.820		
	9340247	19.800		
		21.020		
	9340248	15.080		
		16.400		
	9340249	18.140		
		16.450		
	9340250	17.700		
		16.140		
	9340251	22.320		
		22.200		
	9340252	16.130		
		15.540		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
6/29/2001	9340253	16.770		
		19.640	910.350	10539.320
7/26/2001	9340254	17.900		
		16.710		
		20.380		
	9340255	15.830		
		16.880		
		19.120		
	9340256	18.780	NOTE: NOT charged for	
		18.450		
		16.730		
		18.040		
	9340257	19.540		
		19.340		
		17.700		
	9340258	16.630		
		16.110		
		16.450		
	9340259	14.630		
		12.370		
		15.540		
	9340260	16.780		
		16.290		
		17.090		
	9340261	12.970		
		17.640		
		16.850		
	9340262	18.310		
		17.370		
		18.070		
	9340263	16.110		
		16.590		
		21.500		
	9340264	18.000		
		17.120		
		17.080		
	9340265	14.600		
		14.150		
	9340266	16.480		
		17.790		
	9340267	14.950		
		16.800		
	9340268	18.330		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
7/26/2001	9340268	17.860	715.860	11255.180
7/27/2001	9340269	17.490		
		21.900		
		20.740		
		17.840		
	9340270	17.150		
		18.860		
		19.310		
		17.890		
	9340271	20.510		
		21.540		
		20.670		
		17.670		
	9340272	17.000		
		17.060		
		19.270		
		16.990		
	9340273	17.300		
		20.850		
		19.030		
		18.550		
	9340274	18.280		
		19.880		
		19.470		
		19.210		
	9340275	23.630		
		20.290		
		20.510		
		17.670		
	9340276	18.190		
		17.850		
		15.520		
		17.300		
	9340277	20.960		
		25.770		
		21.770		
	9340278	21.430		
		20.460		
	9340279	19.670		
		20.580		
		19.700		
	9340280	19.410		
		18.870		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
7/27/2001	9340280	18.910		
	9340281	18.960		
		18.630		
		18.730		
	9340282	20.670		
		18.850		
		19.550		
	9340283	21.470		
		20.330		
		19.770		
	9340284	19.260		
		19.320		
		19.270		
	9340285	17.950		
		17.540		
	9340286	17.540		
		17.170		
		17.960		
	9340287	18.270		
	9340306	18.750		
		19.720		
		18.870	1231.530	12486.710
7/30/2001	9340288	18.440		
		17.810		
		18.680		
		16.510		
	9340289	18.940		
		17.530		
		18.900		
		17.070		
	9340290	15.730		
		18.080		
		18.220		
	9340291	18.070		
		18.290		
		19.180		
		17.260		
	9340292	17.200		
		16.140		
		16.450		
		15.760		
	9340293	15.740		
		18.270		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
7/30/2001	9340293	17.090		
		15.980		
	9340294	16.300		
		14.290		
		17.710		
	9240295	17.810		
		18.850		
		18.020		
	9340296	15.870		
		16.680		
		16.890		
	9340297	16.550		
		16.840		
		15.500		
	9340298	14.090		
		16.140		
		15.150		
	9340299	19.950		
		19.310		
		19.530		
	9340300	14.570		
		17.580		
		17.730		
	9340302	16.960		
		16.680	790.340	13277.050
7/31/2001	9340303	16.740		
		18.230		
		19.740		
		16.860		
	9340304	13.290		
		17.430		
		14.170		
		16.960		
	9340305	17.030		
		18.500		
		16.330		
		18.290		
	9340307	19.350		
		17.320		
		17.150		
	9340308	16.680		
		19.530		
		18.180		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
7/31/2001	9340308	17.220		
	9340309	19.160		
		18.050		
		18.370		
	9340310	19.200		
		17.260		
		17.610		
	9340311	17.930		
		17.000		
		17.010		
	9340312	19.480		
		18.060		
		18.270		
	9340313	17.020		
		15.790		
		16.030		
	9340314	17.850		
		14.430		
		18.620		
	9340315	17.970		
		19.600		
		19.750		
	9340316	18.230		
		17.080		
		18.720		
	9340317	19.980		
		19.020	796.490	14073.540
8/1/2001	9340318	16.430		
	9340319	13.700		
		17.370		
		18.790		
		20.750		
	9340320	15.850		
		18.060		
		16.590		
	9340321	15.380		
		16.060		
		16.650		
		18.430		
	9340322	17.590		
		15.490		
		17.580		
		15.670		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
8/1/2001	9340323	15.680		
		14.200		
		12.560		
		17.670		
	9340324	16.480		
		18.140		
		17.190		
		18.320		
	9340325	18.090		
		19.140		
		18.810		
	9340326	18.330		
		17.680		
		17.140		
	9340327	16.950		
		16.900		
		18.610		
	9340328	15.670		
		17.050		
		16.790		
	9340329	16.860		
		16.880		
	9340330	17.480		
		17.050		
		18.990		
	9340331	17.590		
		15.210		
		17.480		
	9340332	14.810		
		16.780		
		15.230		
	9340333	16.840		
		16.210		
		18.470		
	9340334	17.010		
	9340335	13.520	878.200	14951.740
8/2/2001	9340336	13.840		
	9340337	13.630		
	9340338	16.820		
	9340339	17.320		
	9340340	16.470		
	9340341	17.650		
	9340342	14.480		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
8/2/2001	9551645	14.930		
	9551648	18.650		
	9551649	17.790		
	9551650	18.160		
	9551651	18.700	198.440	15150.180
8/3/2001	9551646	20.780		
		18.720		
		18.040		
	9551647	15.940		
		19.790		
		16.690		
	9551652	20.080		
		19.170		
		20.090		
	9551653	17.040		
		19.390		
		14.770		
	9551654	15.800		
		16.490		
		16.120		
	9551655	15.690		
		17.140		
		19.340		
	9551656	16.780		
		19.860		
		20.590		
	9551657	16.580		
		17.520		
		18.690		
	9551658	16.260		
		16.820		
		18.100		
	9551659	17.320		
		14.890		
	9551660	17.370		
		17.510		
	9551661	15.700		
		18.730		
	9551662	17.680		
		19.930		
	9551663	18.620		
		19.550		
	9551664	15.760		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
8/3/2001	9551664	18.940		
	9551665	17.450		
		17.060		
	9551666	17.100		
		16.900		
	9551667	17.960		
		18.290		
	9551668	16.340		
		16.230		
		17.100		
	9551669	11.930		
		11.750		
	9951670	16.980		
		15.770		
	9551671	16.270		
		17.020		
	9551672	14.190		
		16.290		
	9551673	17.560		
		16.880		
	9551674	15.770		
		20.290		
	9551675	16.310		
		16.370		
	9551676	18.140		
		17.470		
	9551677	19.350		
		18.020		
	9551678	14.810	1159.880	16310.060
8/6/2001	9551679	20.290		
		15.300		
	9551680	21.380		
		18.910		
	9551681	19.470		
		16.390		
	9551682	14.170		
	9551683	14.190		
		17.020		
	9551684	17.180		
		17.290		
	9551685	18.300		
		18.030		
	9551686	19.260		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
8/6/2001	9551687	18.030		
		17.590		
	9551688	16.470		
		19.060		
	9551689	16.100		
		19.840		
	9551690	17.110		
	9551691	19.240		
	9551692	16.460		
	9551693	17.110		
		16.180		
	9551694	17.870		
		17.370		
	9551695	18.620		
	9551696	22.030		
		18.730		
	9551697	17.630		
	9551698	17.410		
	9551699	15.710		
	9551670	17.810	603.550	16913.610
8/7/2001	9551701	18.490		
	9551702	15.910		
	9551703	20.560		
	9551704	15.340		
	9551706	11.850		
	9551707	17.830		
	9551708	17.780	117.760	17031.370
8/8/2001	9551709	19.060		
		18.870		
	9551710	19.830		
		20.830		
	9551711	19.170		
	9551712	19.300		
		15.630		
	9551713	19.880		
	9551715	16.100	168.670	17200.040
8/9/2001	9551714	18.830		
		18.210		
		18.530		
		18.780		
	9551716	18.250		
		20.400		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
8/9/2001	9551716	16.110		
		18.040		
	9551717	19.150		
		20.200		
		17.910		
		18.310		
	9551718	17.950		
		19.360		
		18.410		
	9551719	17.110		
	9551720	19.180		
		19.960		
		20.300		
	9551721	18.790		
		19.210		
		20.550		
	9551722	19.780		
		19.640		
		18.020		
	9551723	17.970		
		20.520		
		18.780		
	9551724	20.190		
		20.680		
	9551726	19.080	588.200	17788.240
8/10/2001	9551725	16.970		
		19.170		
		17.220		
	9551727	17.820		
	9551728	20.010		
		17.320		
		16.910		
		17.480		
	9551729	17.930		
	9551730	19.380		
		18.790		
		18.710		
		18.000		
	9551731	17.250		
	9551732	19.250		
		15.200		
	9551733	19.830		
		14.640		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
8/10/2001	9551733	16.100		
	9551734	19.050		
		16.490		
		15.780		
	9551735	20.560		
		19.620		
		18.070		
	9285407	17.270		
		16.300		
	9285408	16.690		
		17.160		
	9285409	18.300		
		20.200		
	9285410	17.040		
		18.560		
	9285411	18.140		
		13.770		
	9285412	16.200		
		19.460	656.640	18444.880
8/13/2001	9551705	18.120		
	9285413	15.420		
		17.300		
		13.340		
	9285414	15.280		
		18.590		
		14.280		
	9285415	18.010		
		18.030		
		17.810		
	9552255	17.030		
		17.240		
		15.350	215.800	18660.680
8/14/2001	9552256	15.030		
		17.740		
		16.640		
	9552257	16.630		
		14.740		
		17.240		
	9552258	16.320		
		15.900		
		15.950		
	9552259	15.220		
		14.620		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
8/14/2001	9552259	17.850		
	9552260	17.410		
		16.300		
		18.050		
	9552261	14.620		
	9552262	16.950		
		17.320		
	9552263	16.330		
		16.600	327.460	18988.140
8/15/2001	9552265	18.160		
	9552266	19.400	37.560	19025.700
8/16/2001	9552264	16.490		
		17.210		
	9552267	20.530		
		17.330		
	9552268	15.220		
		17.330		
	9552269	12.180		
		17.720		
	9552270	18.810		
	9552271	15.480		
		16.650		
	9552272	18.890		
		14.980		
	9552273	14.930		
	9552274	17.370		
		16.190	267.310	19293.010
8/24/2001	9552275	19.980		
		16.140		
	9552276	16.180		
	9552277	15.850		
		18.690		
	9552278	16.260		
	9552279	17.490		
	9552280	12.920		
		16.310	149.820	19442.830
8/27/2001	9552281	20.950		
		22.360		
		19.070		
	9552282	18.930		
		16.620		
		20.320		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
8/27/2001	9552283	18.750		
		19.160		
	9552284	18.400		
		17.550		
	9552284	18.190		
	9552365	20.020		
		16.730		
		15.860		
	9552366	16.890		
		17.370		
	9552367	16.430		
		18.650		
	9552368	18.320		
	9552369	19.170		
		17.260	387.000	19829.830
8/28/2001	9552370	18.870		
		19.740		
		18.560		
	9552371	17.110		
		24.160		
	9552372	16.410		
		18.410		
		15.150		
	9552373	20.750		
		21.250		
		17.080		
	9552374	16.850		
		14.720	239.060	20068.890
8/29/2001	9552375	19.570	19.570	20088.460
8/30/2001	9552376	17.550		
		18.930		
		16.870		
	9552377	15.850		
		17.030		
		14.970		
	9552378	17.760		
	9552379	15.490		
		15.130		
	9552380	16.430		
		19.850		
		20.610		
	9552381	19.770		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
8/30/2001	9552381	20.360		
		18.790		
	9552382	16.350		
		17.850		
		16.680		
	9552383	19.560		
		17.320		
		19.100		
	9552384	18.020		
	9552385	17.010		
		10.300	417.580	20506.040
8/31/2001	9552386	18.380	18.380	20524.420
9/5/2001	9552388	16.650		
		16.610		
		13.830		
	9552389	19.510		
		18.350		
		15.950	100.900	20625.320
9/6/2001	9552390	12.400	12.400	20637.720
9/7/2001	9552391	15.250		
		19.390		
		16.850		
	9552392	17.900		
		14.940		
		14.730		
	9552393	18.900		
		14.280		
		16.240		
	9552394	16.570		
		16.540		
	9552395	17.680		
		15.460	214.730	20852.450
9/10/2001	9552396	15.050		
	9552397	15.550		
		18.240		
		16.940		
	9552398	17.100		
		18.850		
		18.600	120.330	20972.780
9/11/2001	9552399	15.450		
		14.240		
	9552400	20.900		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
9/11/2001	9552400	21.280		
	9552401	17.150		
	9552402	17.430		
	9552403	18.840	125.290	21098.070
9/12/2001	9552404	14.770		
	9552405	14.930		
	9552406	17.530		
	9552407	17.160		
9/12/2001	9552408	17.380	81.770	21179.840
9/13/2001	9552409	17.480		
		16.730		
		17.380		
	9552410	17.890		
		17.710		
	9552411	19.120		
	9552412	18.180		
		18.750		
	9552413	18.960		
		21.860		
	9552414	17.640		
		18.130		
	9552200	17.910		
		19.190		
	9552202	16.220		
		17.530	290.680	21470.520
9/14/2001	9551096	17.560		
		19.520		
	9552201	16.950		
		15.280		
		15.740		
	9552211	14.880		
		14.550		
		14.400		
		20.230		
	9552214	19.030		
		18.550		
		14.750	201.440	21671.960
9/17/2001	9551097	18.490		
		21.950		
	9551098	16.640		
		18.040		
	9551099	19.710		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
9/17/2001	9551099	18.440		
		19.250		
	9551100	16.920		
		17.380		
	9551102	16.500		
		23.320		
	9551103	16.600		
		17.940		
	9551107	18.030	259.210	21931.170
9/18/2001	9551101	19.270		
		20.550		
	9551104	22.360		
		17.880		
	9551105	22.380		
		18.780		
	9551106	17.880		
	9551107	17.480		
	9551108	20.110	176.690	22107.860
9/19/2001	9551109	23.810		
		19.310		
	9551110	20.970		
		19.810		
	9551111	19.260		
		18.420		
	9551112	17.730		
		19.730		
	9551113	17.090		
		16.620		
	9551114	18.530		
		17.120		
	9551115	15.870	244.270	22352.130
9/20/2001	9551116	16.590		
		17.110		
		18.320		
	9551117	17.080		
		17.270		
		15.820		
	9551118	17.310		
		16.320		
	9551119	17.600		
		17.710		
		16.270		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
9/20/2001	9551120	17.640		
		15.170		
		19.790		
	9551121	17.670		
		18.480		
	9551122	17.440		
		16.460		
	9551123	15.560		
		14.390		
	9551124	19.870		
		16.130		
	9551125	19.240		
		19.390		
	9552204	18.010		
	9552212	15.000		
	9552213	16.880		
	9552215	17.430	481.950	22834.080
9/21/2001	9551232	19.010		
		16.960		
		17.830		
	9551233	19.710		
		17.740		
	9551234	17.820		
		16.870		
	9551235	14.440		
		15.560		
	9551236	16.470		
		16.280		
	9551237	19.680		
		17.310		
	9551238	20.390		
	9551239	16.840		
	9552203	17.120		
		19.830		
		18.470		
	9552205	19.940		
		17.480		
		15.970		
	9552206	18.170		
		19.990		
		18.840	428.720	23262.800
9/24/2001	9551240	17.240		
		16.990		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
9/24/2001	9551241	20.280		
		18.610		
	9551242	18.620		
		17.750		
	9551243	17.480		
		14.790		
	9551244	19.030		
		16.890		
	9551245	17.220		
		15.890		
	9551246	17.020		
		17.180		
	9551247	17.800		
		20.750		
	9551248	15.050		
		16.430		
	9551249	14.630		
		16.000		
	9551250	16.890		
		17.160		
	9551251	17.210		
		19.940		
	9551252	17.780		
		17.440		
	9551253	19.100		
		16.270		
	9551254	16.820	504.260	23767.060
9/25/2001	9551255	18.270		
		11.960		
		19.090		
	9551256	16.500		
		16.090		
		16.780		
		12.570		
	9551257	14.390		
		17.390		
		12.170		
	9551258	16.910		
		19.030		
	9551259	16.600		
		19.730		
		16.300		
	9551260	17.800		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
9/25/2001	9551260	18.010		
		13.190		
	9551261	15.680		
		16.830		
		12.790		
	9551390	17.000		
		15.990		
	9551391	18.470		
		21.850		
		15.560		
	9551392	15.910	442.860	24209.920
9/26/2001	9551393	19.000		
	9551394	16.300		
	9551395	13.380		
		14.130	62.810	24272.730
9/27/2001	9551396	15.120		
	9551397	18.760		
	9551398	18.170		
		18.970		
		15.940		
	9551399	18.290		
		18.040	123.290	24396.020
9/28/2001	9551400	17.470		
		19.140		
		18.660		
	9551401	17.520		
		18.760		
		12.680		
	9551402	18.420		
		18.650		
		21.450		
	9551403	18.440		
		18.430		
		15.610		
	9551404	18.210		
		13.380		
	9551405	16.070		
		16.670		
	9551406	16.160		
	9551407	17.810		
	9551409	18.380	331.910	24727.930
10/1/2001	9551411	17.970		

Table H-1
Special Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Tons)	Daily Total (Tons)	Grand Total (Tons)
10/1/2001	9551411	17.170		
	9551412	17.300		
		15.860		
		17.210		
	9551413	19.990		
		21.860		
		18.770		
	9551414	18.760		
		17.230		
		15.680		
	9551415	19.940		
		20.900		
	9551416	17.060		
		20.940		
		15.730	292.370	25020.300
Special Waste Grand Total:				**25020.300**

Table H-2
Hazardous Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Pounds)	Daily Total (Pounds)	Grand Total (Pounds)
8/6/2001	9314130	36,380		
	9314131	39,800		
	9314132	40,640		
	9314133	44,120		
	9314134	42,160		
	9314135	44,740		
	9314136	39,040		
	9314137	40,900		
	9314138	39,180		
	9314139	45,260		
	9314140	42,760	454,980	454,980
8/7/2001	9314141	42,020		
	9314142	39,700		
	9314143	45,320		
	9314144	42,240		
	9314145	34,780		
	9314146	37,740		
	9314147	49,800	291,600	746,580
8/8/2001	9314148	63,580		
	9314149	43,440		
	9314150	40,240		
	9314151	45,500		
	9314152	54,100		
	9314153	43,260		
	9314154	41,000		
	9314155	38,400		
	9314156	46,320		
	9314157	34,580		
	9314158	41,360		
	9314159	45,380		
	9314160	45,620	582,780	1,329,360
8/9/2001	9314195	43,840		
	9314196	42,260		
	9314197	70,060		
	9314198	38,200		
	9314199	48,480	242,840	1,572,200
Roll-Off Boxes:				
8/20/2001	9314200	30,480		
	9314201	25,040	55,520	55,520
8/21/2001	9314202	25,240		
	9314203	38,580	63,820	119,340
8/22/2001	9314370	34,460		
	9314371	38,180	72,640	191,980
8/23/2001	9314372	41,160	41,160	233,140

Table H-2
Hazardous Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Pounds)	Daily Total (Pounds)	Grand Total (Pounds)
8/24/2001	9314373	29,240		
	9314380	43,534	72,774	305,914
8/27/2001	9314381	41,340	41,340	347,254
8/28/2001	9314382	31,300		
	9314383	35,900		
	9314384	29,900	97,100	444,354
8/29/2001	9314385	26,060	26,060	470,414
8/31/2001	9314376	41,660		
	9314377	24,880	66,540	536,954
8/30/2001	9314386	29,140		
	9314387	30,980	60,120	597,074
9/6/2001	9314378	33,500	33,500	630,574
9/7/2001	9314379	35,520		
	9312294	30,560	66,080	696,654
9/12/2001	9312295	29,860	29,860	726,514
9/13/2001	9312296	30,660	30,660	701,654
Hazardous Waste Grand Total:				**2,273,854**

Table H-3
Hazardous Liquid Waste Disposal Quantities
Remedial Action
Peoples Gas - Rogers Park Pond and Main Parcels

Date	Manifest Number	Weight (Gallons)	Daily Total (Gallons)	Grand Total (Gallons)
8/3/2001	9352976*	5,300		
	9352977*	5,000		
	9352978*	5,000		
	9352979*	5,100	20,400	20,400
8/6/2001	9352981*	5,177		
	9352983*	5,000	10,177	30,577
8/7/2001	9352982*	5,000		
	9352987*	5,200		
	9352991*	5,200	15,400	45,977
8/8/2001	8778384*	5,300		
	9352989*	5,490		
	9352990*	5,240	16,030	62,007
8/9/2001	9352988*	5,240	5,240	67,247
8/15/2001	10025005	2,441	2,441	69,688
8/17/2001	9630903	1,500	1,500	71,188
8/22/2001	9273073	3,000	3,000	74,188
8/23/2001	10025034	5,303	5,303	79,491
8/24/2001	10025083	5,043	5,043	84,534
8/29/2001	10025094	5,203	5,203	89,737
9/10/2001	10025141	2,000		
	10025142	5,300	7,300	97,037
Hazardous Liquid Waste Grand Total:				**97,037**

* Note: Initially manifest listed incorrect USEPA and Illinois Generator Identification Numbers. The manifests were corrected, and corrected copies were sent to the Illinois EPA Division of Land Pollution Control, the transporter, and the disposal facility on October 31, 2001.

APPENDIX I
SAMPLE VALIDATION MEMORANDUM AND ANALYTICAL DATA

SOIL SAMPLE DATA EVALUATION MEMORANDA
ROGERS PARK MAIN MGP SITE

BURNS & McDONNELL

Client:	Peoples Gas	Prepared By:	Courtney Marhoefer
Site:	Rogers Park Main Parcel	Date:	October 22, 2001
Project #:	27194	Checked By:	Kim Nichols
File No.:	I.7	Date:	October 23, 2001
Title:	Data Validation of Confirmation Soil Samples Collected June 21 and 25, August 15 and September 21, 2001		

PURPOSE

The purpose of this document is to present the evaluation and validation of soil sampling analytical results.

VALIDATION CRITERIA

The evaluation and validation consisted of the following:

- Checked analytical holding times.
- Checked surrogate recoveries.
- Reviewed laboratory blank analyses.
- Reviewed laboratory control standards.
- Reviewed laboratory annotations.

SAMPLING EFFORT

Soil Samples were collected at the Peoples Gas Rogers Park Main Parcel in Chicago, Illinois on June 21 and 25, August 15 and September 21, 2001. Samples RPM-CS01, RPM-CS02, and RPM-CS03 were taken as composite confirmation samples, while RPM-CST-03L and RPM-CST-03U were taken as grab confirmation samples. Soil samples were taken at specific confirmation locations during site remediation activities.

LABORATORY

Samples were analyzed and validated by STAT Analysis Corporation of Chicago, Illinois in accordance with Illinois Site Remediation Program analytical data reduction and validation guidelines.

CONCLUSIONS

Laboratory data have been reviewed and are acceptable for use with qualification. STAT Analysis Corporation, performed laboratory validation and determined that all analytical results were usable. Based on the provided information, Burns & McDonnell performed further evaluation and validation, determining that the overall quality of the analytical results was good.

REFERENCES

The following reference documents were used:

(1) Illinois Administrative Code, 1998. *Site Remediation Program*, Title 35: Environmental Protection, Subtitle G: Waste Disposal, Chapter I: Pollution Control Board, Part 740.

(2) United States Environmental Protection Agency (USEPA), 1994. *Contract Laboratory Program National Functional Guidelines for Organic Data Review*, February.
(3) USEPA, 1994. *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, February.
(4) USEPA, 1998. *Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods,* EPA Publication No. SW-846, [Third Edition (September 1986), as amended by Updates I (July 1992), II (September 1994), IIA (August 1993), IIB (January 1995), III (December 1996), IVA (January 1998)].

SAMPLE INFORMATION

Table 1 presents sample numbers and analyses requested. Table 2 lists the methods used to analyze the soil samples.

HOLDING TIME EVALUATION

Table 3 presents the analytical holding times that were used to evaluate and validate the extractions and analyses performed. All sample extractions and analyses were performed within the holding time criteria; therefore, no qualification was necessary.

SURROGATE RECOVERY EVALUATION

Surrogate recoveries were all within the acceptable laboratory limits; therefore, no qualification was necessary.

LABORATORY BLANK ANALYSIS EVALUATION

Laboratory blanks were prepared and run for this sampling event. All laboratory blanks were non-detect; therefore, no qualification was necessary.

LABORATORY CONTROL STANDARDS EVALUATION

Laboratory control standards (LCS) were prepared and run for this sampling event. All laboratory control standards were within the acceptable laboratory limits; therefore, no qualification was necessary.

LABORATORY ANNOTATION REVIEW

A review of the STAT Analysis Corporation laboratory annotation indicates that the overall quality of the analytical results is acceptable.

Table 1 List of Sample Numbers and Analyses	
Sample Number	**Analyses**
RPM-CS01-001	Polynuclear Aromatic Hydrocarbons (PAHs) and Total and Synthetic Precipitation Leaching Procedure (SPLP) Lead
RPM-CS02-001	PAHs and Total and SPLP Lead
RPM-CS02-002	PAHs
RPM-CST-03L	Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX), Styrene, PAHs, and Total and SPLP Lead
RPM-CST-03U	BTEX, Styrene, PAHs, and Total and SPLP Lead
RPM-CS03-01	Total and SPLP Lead

Table 2 Analytical Methods[1]	
Parameter	**Analytical Method**
BTEX and Styrene	5035/8260B
PAHs	8270C
Total Lead	6020
SPLP Lead	1312/6020

Notes:
(1) U.S. EPA 1998

Table 3 Analytical Holding Times	
Analyses	**Holding Time From Sample Collection[1]**
BTEX	14 days
PAHs	14 days to extraction, 40 days from extraction to analysis
Total Lead	6 months
SPLP metals	180 days to Method 1312 extraction, 180 days from extraction to analysis

Note: (1) USEPA 1998