REPORT
REMEDIAL INVESTIGATION
BROWNFIELDS CLEANUP PROGRAM

for
132 DINGENS ST., BUFFALO, NY
(Site #: C915263)

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(final)

Prepared for
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Buffalo, NY

by

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JANUARY 2015

1.0 INTRODUCTION

Iyer Environmental Group PLLC (IEG) completed a Supplemental Phase II Environmental Site Assessment in December 2011, and was retained by 132 Dingens St. LLC to follow up with additional investigations and site remediation under the Brownfields Cleanup Program. Field work for the Remedial Investigation (RI) was completed in accordance with the approved Work Plan dated September 2012 to address areas of the property not targeted in previous investigations and to assess the presence of any contamination related to past practices in the area. This Report provides specific details on the remedial investigation completed at the site and an analysis of available remedial alternatives.

2.0 SITE DESCRIPTION AND HISTORY

This irregular shaped, 13-acre parcel located at 132 & 136 Dingens Street (see location on Figure 1) contained an 85,000-sf manufacturing and warehouse facility which burned down in a fire (see aerial photo on Figure 2). Photographs taken at the Site prior to the investigations are included in Appendix A. Half of this facility was first occupied by Superior Pallet for recycling and refurbishing wood pallets, and the other half was used by Umbra for warehousing/distribution of household/office trash containers. The warehouse was used by Tops Markets since 1966, and was refrigerated at that time by an ammonia refrigeration system located in the pump-house building in the northwest section. A small section west of this pump-house is leased to third parties for a communications tower.

The property was previously used by a fuel oil equipment construction and service company called Mali's Fuel Service. Niagara Frontier Service, Tops Markets' predecessor, purchased the property around 1966. Historically there had been numerous petroleum tanks, both above ground and below ground dating back to the 1930s. The warehouse also had pad-mounted transformers outside. According to previous environmental reports, industrial fill materials are present on the subject site and on adjacent parcels to the north and west. The ammonia was removed from the entire refrigeration system including the tanks in September 2001, following a reported ammonia leak in June 2001.

The site is surrounded by commercial properties: a UPS ground terminal and Buffalo Games to the north; Dingens Street to the south; First Student Day Care, AMSCO and warehouses owned by Buffalo News and FPPF Chemical Company to the west; and Citadel Broadcasting, Otis Bed and Niagara Tying Service to the east. This area contained numerous rail lines and yards dating back to 1917.

The subject property was listed in the NY Spills database in 1992 due to a reported leaking line on a truck, and two leaking 4,000-gal diesel USTs reported in 1987. The leaking tanks were issued Spill No. 8707625 which was closed in 1991. A 2004 Phase II ESA by Barron & Associates included an EM-61 metal detector survey in areas of reported UST locations, and subsurface sampling through test pits and Geoprobe soil borings. This Phase II identified SVOC contamination in an area northeast of the warehouse that exceeded NYSDEC guidelines.

Site plans obtained from the City of Buffalo indicated a fuel oil UST in an area just south of the pump-house that was not included in the 2004 Phase II EM-61 survey and soil sampling. The sub-basement of the pump-house had ammonia tanks and associated piping from the old refrigeration system. The site includes a long 5'4" diameter tunnel from the south basement wall of the refrigeration building to the warehouse building, and a short tunnel of the same diameter on the north basement wall, built for future expansion. The former Tops warehouse building completely burned down in a 2010 fire, leaving only the concrete floor, associated foundation and twisted steel.

3.0 SITE PHYSICAL SETTING

The Site is located in the Erie-Ontario Lake plain physiographic province, which is characterized by relatively flat surfaces and is underlain by Onondaga limestone, which is the lowest formation in the Devonian stratigraphic sequence of Western New York. The limestone, intermixed with dark grey chert, is at a relatively shallow depth below ground surface. Based on various subsurface investigations conducted at the Site, the average depth to bedrock is around 25 feet bgs. The bedrock typically dips gently to the south in the general area of the Site.

The ground surface slopes gently to the south as seen from the survey map (Drawing A) as well as the USGS topographic map on Figure 6. Surface water runoff from the site is directed to numerous storm catch basins throughout the paved parking areas. The storm water discharges into the City of Buffalo municipal sewer system. Soils on the site are mapped as Urban Land which can typically contain fill materials with little native soil conditions remaining.

No sensitive ecological receptors were identified in and around the site. Potable water is supplied from Lake Erie by the City of Buffalo, and there are no drinking water wells in the area. Groundwater at the site is approximately 7 to 10 feet below ground surface. The local regional groundwater flow is generally to the south toward the Buffalo River, although extensive past construction activities in the area may have significantly altered localized groundwater flow patterns.

4.0 SUMMARY OF ENVIRONMENTAL CONDITIONS

The following environmental conditions were identified during initial site visits and from previous documents (see recognized environmental conditions on Figure 3):

- Assorted drums, containers and tanks in the refrigeration building and around the building foundation (see list of drums in Table 1).

- Pits around the site's eastern perimeter dug by people searching for old bottles. These pits revealed various kinds of fill deposited in the area over the years.

- Tire piles in the northwest leg of the parcel

- Sub-basement tunnel between the refrigeration building and the warehouse foundation filled with water (up to four feet on the deep end towards the warehouse).

- Two pad-mounted Transformers

Previous investigations at the site included two Phase I ESAs (1997 by Acres International, and 2004 by Kay Ver Group), and two Phase II ESAs (2004 by Baron Associates, and 2011 by Iyer Environmental Group). Table 2 provides a summary of the sampling and analysis performed during the 2012 Phase II ESA, while sample locations and analytical results are shown on Figures 4 and 5. These subsurface investigations revealed the area to have soil contamination associated with historical industrial fill used to elevate the ground level to its present state. Most of the elevated contamination is in the unpaved areas of the site to the east and north.

The 2011 Phase II ESA results for Geoprobe and test pit soil samples are reproduced in Tables 3A and 3B respectively along with the NYSDEC's restricted commercial and industrial use soil cleanup objectives (SCOs). The Phase II sample locations (GS-1 through GS-16, and TS-1 through TS-7) are shown on Figure 4, and those with exceedances of the Part 375 SCOs are highlighted on Figure 5.

Low levels of volatile organics were detected in soil samples from the Phase II investigation ranging from toluene at 0.58 µg/Kg (GS-14) to methylcyclohexane and isopropyl benzene at 150 µg/Kg (GS-12). None of the VOCs exceeded the Part 375 SCOs for commercial use.

Six of the fifteen Phase II Geoprobe and test pit soil samples exceeded the industrial use SCOs for up to nine SVOC compounds that included: benzo(a)anthracene (13 µg/Kg at GS-1 to 490,000 µg/Kg at TS-5), benzo(a)pyrene (89 µg/Kg at GS-2 to 550,000 µg/Kg at TS-5), benzo(b)fluoranthene (21 µg/Kg at GS-1 to 600,000 µg/Kg at TS-5), benzo(k)fluoranthene (20 µg/Kg at GS-2 to 240,000 µg/Kg at TS-5), chrysene (19 µg/Kg at GS-1 to 450,000 µg/Kg at TS-5), dibenz(a,h)anthracene (30 µg/Kg at GS-13 to 86,000 µg/Kg at TS-5), fluoranthene (15 µg/Kg at GS-1 to 1,200,000 µg/Kg at TS-5), indeno(1,2,3-cd)pyrene (14 µg/Kg at GS-1 to 250,000 µg/Kg at TS-5), and phenanthrene (31 µg/Kg at TS-3 to 1,200,000 µg/Kg at TS-5). Pyrene was the only SVOC that exceeded only the restricted commercial use SCO in one sample (TS-5 at 880,000µg/Kg).

As seen on Figure 5, SVOCs and metals are present across the site, with hot spot areas (TS-4, TS-5 and TS-7) along the northwest property boundary, in the southeast corner (TS-1), and in the middle of the eastern section of the paved area (GS-12). No groundwater sampling was included in these investigations.

Five metals (arsenic, barium, copper, mercury and lead) exceeded only their corresponding restricted commercial use SCOs in up to seven of the fifteen soil samples. Arsenic and lead also exceeded their restricted use industrial SCOs in up to eight soil samples. The detected concentrations of these metals were as follows: arsenic from 1.5 mg/Kg at TS-3 to 36.7 mg/Kg at GS-9; barium from 7 mg/Kg at TS-3 to 2,560 mg/Kg at TS-4; copper from 16 mg/Kg at TS-3 to 411 mg/Kg at TS-4; mercury from 0.1 mg/Kg at TS-3 to 3.9 mg/Kg at TS-4; and lead from 6.5 mg/Kg at TS-3 to 4,400 mg/Kg at TS-4

During the course of this investigation, Pinto Construction Services (Pinto) cleared the site of all the debris piled up at the old warehouse building location after the 2011 fire. In addition, with the approval of the Buffalo Sewer Authority (BSA), Pinto pumped the water out of the sub-tunnel to facilitate an inspection. Pinto also removed old equipment and associated piping from the refrigeration building and the sub-basement, as well as the two transformers. These removal activities are documented in the 2012 Supplemental Phase II ESA.

5.0 REGULATORY CRITERIA

Site investigation and remediation is being conducted through the Brownfields Cleanup Program, and is subject to requirements under 6 NYCRR Part 375 and DER-10 guidelines. The NYSDEC has established goals for acceptable contamination levels in soils based on a combination of human health risk factors and potential groundwater impacts. These goals are applicable when considering the need for a remedial measure at contaminated sites.

The Brownfield Cleanup Program provides for a multi-track approach to the remediation of soil contamination. The NYSDEC has developed tables of soil cleanup goals from four tracks ranging from unrestricted use (Track 1) to different degrees of restricted use (Tracks 2, 3 and 4). The intent of this remedial effort is to clean up this property to restricted commercial or industrial use under Track 4. Any excavation and off-site disposal of the contaminated soils will be compliant with the Resource Conservation and Recovery Act (RCRA), the Toxic Substances Control Act (TSCA), and all other applicable regulations.

Restricted Commercial and Industrial SCOs derived from Part 375, Table 375.6.8(b), are included in soil analytical data tables in this Report for comparison. Analytical data tables in this Report for groundwater also include NYSDEC's Part 703 groundwater quality standards for comparison.

6.0 REMEDIAL INVESTIGATION OBJECTIVES

Several areas of the 13-acre parcel were previously investigated in two Phase II ESAs (2004 and 2011). These Phase IIs were limited to soil sampling, and did not include any groundwater sampling. This Remedial Investigation was undertaken to fill in data gaps, including areas not previously covered, and to complete the assessment, remediation and closure of this property under the Brownfields Cleanup Program.

The objectives of this remedial investigation are as follows:

1. Determine the nature and extent of on-site contamination, supplementing the results of previous investigations;

2. Establish the groundwater table and obtain other hydrogeological data such as hydraulic conductivity and groundwater flow/velocity;

3. Qualitatively assess exposure pathways and potential risks to human health and the environment; and

4. Evaluate and develop a remedy for soil and groundwater contamination.

7.0 SITE CLEARING AND DEBRIS REMOVAL

During the course of this investigation, Pinto Construction Services continued to remove old equipment from the site and process them for recycling. The building previously used for refrigeration has been cleared of all equipment and was made available for use/rental.

Several drums containing various liquids were staged inside the refrigeration building for disposal off-site. All drums have been removed from the site as shown in Table 1. Drums containing various chemicals were properly disposed off-site by Environmental Products & Services (Buffalo, NY) and bills of lading for these drums are included in Appendix B.

8.0 SAMPLING AND ANALYSIS

The remedial investigation consisted of the sampling and analysis of soil and groundwater at the site. Soil samples were collected through both borings and test pits. Groundwater samples were collected from shallow overburden wells installed across the Site. Underground utilities were cleared in the sampling area through the Dig Safely New York program prior to all intrusive activities. The sample locations were surveyed.

The schedule of sampling and analysis for this remedial investigation is tabulated in Table 4A, while Table 4B provides a detailed breakdown by analytical parameter with sampling dates. Table 4C lists the required sample container, preservatives and holding times. Figure 4 shows the locations of all samples from this RI (GS-17 through GS-40, TS-8 through TS-17, and MW-1 through MW-8) as well as from the 2011 Phase II ESA (GS-1 through GS-16, and TS-1 through TS-7). Photos taken during soil and groundwater sampling are included in Appendix A.

All soil boring, test pit and monitoring well locations were surveyed (see Drawing A - Site Survey Map) at the conclusion of sampling. Survey coordinates for all sample locations are tabulated in Table 5 along with elevation data for monitoring wells and depth and thickness of subsurface layers. Monitoring well structure is shown on Figure 7, while specific details of individual monitoring wells are included in Table 6 and in the driller's logs in Appendix C.

A table of field PID measurements and descriptions of soil boring and test pit samples is also included along with test pit logs in Appendix C. Field reports prepared for each sampling event are included in Appendix D, well purging and sampling records in Appendix E, geologic cross-sections in Appendix F, and groundwater contour plots in Appendix G. Appendix H includes the Data Useability Summary Report, while the raw laboratory analytical data on Form 1s is included as Appendix I. Due to its volume, full laboratory reports (Category B deliverables) are provided on a CD-ROM along with electronic copies of this RI Report.

All samples were collected in certified clean containers provided by the analytical laboratory. The samples were dropped off daily at Test America's laboratory facility in Amherst, NY. The laboratory is certified by the NYSDOH Environmental Laboratory Program (ELAP) and USEPA's Contract Laboratory Program (CLP). Analytical methods and QA/QC, including matrix spikes (MS/MSD), and field blanks (FB) and field duplicates (FD) were in accordance with the NYSDEC's ASP protocols and USEPA methods.

8.1 Soil

Soil samples were selected for laboratory analysis based on PID readings, visual observations and prior contaminated sample locations. All soil samples were analyzed for TCL semivolatile organics (SVOCs) and TAL metals (including mercury). Selected samples were analyzed for the full list of parameters, including TCL volatile organics (VOCs), PCBs, pesticides, and total cyanides. TCLP (RCRA Toxicity Characteristic Leaching Procedure) lead analysis was included for several samples that exhibited high lead concentrations with the potential to exceed the RCRA criteria. A few samples were also analyzed for landfill parameters for acceptance by a solid waste landfill. Only discrete samples were taken for VOCs, and composite samples for all other parameters.

Test Pit Soil Sampling: Ten (10) test pit locations (TS-8 through TS-17) were dug to depths of up to 8 feet below ground surface for surficial and subsurface soil samples across the unpaved, vegetated areas of the Site. Pinto Construction cleared the vegerated areas in advance to facilitate the test pit excavation. A small backhoe was used to advance test pits to a practical depth limited by reach of equipment and safety. The soils were screened using a photoionization detector (PID) that analyzes volatile organics in the air space around the soil samples. The soil was also characterized by depth as it was brought up in the bucket. The observations (soil type, odor, color, etc.) and PID readings were recorded in a field log and tabulated (see table in Appendix C).

At least one composite sample was collected from each test pit that was representative of the contamination and nature of source material, and was analyzed

at a minimum for SVOCs and metals. Discrete samples were collected for VOC analysis at a few test pits although none of them showed elevated PID readings in the field. The depth of sampling at test pits ranged from surficial to a maximum of 8 feet below ground surface.

The depth interval for sampling was field determined based on visual observations and depth of subsurface soil/fill. Sampling depth intervals are included with the analytical data tables. The full depth was composited if no discerning features were observed. At locations where the fill showed significant variation, composite samples were obtained at more than one depth interval in concurrence with the NYSDEC representative. Selected samples were analyzed for the full list of parameters listed in Table 4. Composited samples (SVOCs and metals only) were also collected from test pits with no visible evidence of contamination or a source thereof.

The following procedure was used for test pit sampling:

a. Sampling tools (trowels, knives, compositing tray, etc.) were brushed clean and washed thoroughly with non-phosphate detergent and distilled water, and wiped clean, prior to sampling at each location.

b. Surface soil samples were collected before excavation.

c. A small backhoe was used to excavate soil in two foot layers and the excavated material was stock-piled on the side. As each bucket came out of the excavation, the soil was screened with a PID and visually characterized.

d. Grab soil samples for volatile organics were taken using a trowel directly from the bucket into laboratory-provided containers. Composite samples were taken in a compositing tray with a trowel from across each stockpile staged by depth intervals. The soil was mixed and placed in laboratory-provided containers for analysis.

e. A laboratory-provided chain of custody was completed for all samples and included with the coolers dropped off at the laboratory. All sample coolers were packed with ice and properly sealed, and dropped off at the laboratory on the day of sampling.

f. After sample collection, the stockpiled soil was pushed back into the excavation by the backhoe, and graded.

Soil Boring Samples: A total of twenty four (24) soil borings (18 from Geoprobe and 8 from monitoring well borings) were completed during the remedial investigation phase, with most of them in paved areas of the site. Three soil borings were located within the footprint of the former warehouse building, with provisions made to core through the reinforced concrete flooring.

A direct push method with a tractor mounted Geoprobe was used for the soil borings (except those at monitoring well locations) to depths of up to 20 feet below ground surface. A drill rig was used for soil borings at the monitoring well locations to depths of up to 24 feet below ground surface. The Geoprobe used 4-foot long split

spoons with plastic liners. The drill rig used 2-foot split spoons that were rinsed thoroughly between sampling.

At each location, the split spoon is pushed into the ground and the soil sample collected within the plastic sleeve. This was repeated until the required depth was sampled. Native clay/silty clay was encountered at depths from 4' (southern section of the property) to 16' (northern section) below ground surface. No bedrock was encountered during this subsurface sampling effort.

At least one sample was collected from each soil boring location that was representative of the contamination and nature of source material. The depth interval for sampling was field determined based on visual observations and depth of subsurface soil/fill. Sampling depth intervals are included with the analytical data tables. The full depth was composited if no discerning features were observed. At locations where the fill showed significant variation, composite samples were obtained at more than one depth interval in concurrence with the NYSDEC representative.

Discrete samples were collected for VOC analysis in the layer that showed elevated PID readings, which occurred at only one location. Composited samples for at a minimum SVOCs and metals analyses were collected across soil depths with similar types of waste fill materials and/or contamination. Additional samples were collected at locations that displayed varying layers of waste fill.

The following procedure was followed for soil borings:

a. All equipment was clean and free of soil, and the Geoprobe was stabilized and leveled prior to sampling at each location.

b. The split spoon with the plastic sleeve inserted was advanced into the ground to the appropriate depth. After sample extraction from the ground, the plastic sleeve with the soil sample was removed and placed sequentially on a folding table covered with disposable plastic sheets. The sleeve was cut along its axis and opened for sample screening with a PID and visual inspection. The PID readings and soil characterized were recorded in a field form, and transcribed onto a table with visual descriptions.

c. After screening, sample aliquots were collected from the selected depth interval in appropriate containers provided by the laboratory for analysis. All samples were analyzed at least for SVOCs and metals. Some samples were selected for the full list of analytical parameters based on field screening and observations. All sample containers for analysis were certified clean by the laboratory. The samples were placed in coolers containing ice bags and dropped off on the day of sampling at the laboratory.

d. A laboratory-provided chain of custody was completed for all samples and included with the shipment to the laboratory.

e. Unused soil boring samples were put back in the borehole.

Surface Soil Samples: Surficial soil samples (0 – 2") were collected from nine (9) test pit locations in unpaved areas of the site. The surface soil samples were collected with a trowel after clearing the vegetation, and before the test pits were dug. All surface soil samples were analyzed for SVOCs, metals, PCBs, pesticides and total cyanides.

The following procedure was used for surface soil sampling:

a. Sampling tools (trowels, knives, compositing tray, etc.) were brushed clean and washed thoroughly with non-phosphate detergent and distilled water, and wiped clean with paper towel, prior to sampling at each location.

b. The surface vegetation was cleared and discrete soil samples were taken using a clean trowel at the target location and placed into laboratory-provided, certified clean containers.

c. A laboratory-provided chain of custody was completed for the samples and included with the shipment to the laboratory. All sample coolers were properly packed with ice, and dropped off at the laboratory on the day of sampling.

8.2 Monitoring Well Installation and Development

At least three groundwater monitoring wells are needed to establish the groundwater table and flow gradient. Given the size and shape of the parcel, and potential migration of contaminants, eight (8) permanent overburden monitoring wells were completed at the locations shown on Figure 4. These eight wells were spread out across the Site: three wells (MW-4, MW-8 and MW-7) along the southeastern property boundary; one (MW-5) in the middle of the eastern section where USTs were previously located; three (MW-1, MW2 and MW-3) in the northwest portion, and the last one (MW-6) in the northeast corner. No bedrock wells were proposed given that the primary contaminants on site are SVOCs and metals which typically limit groundwater contamination to the overburden, and the Site was found during this investigation to be underlain by a thick layer of clay.

At least one soil boring sample was collected from each monitoring well location that was representative of the contamination and nature of source material. Grab samples were collected for VOC analysis in the layer that showed elevated PID readings. All samples were analyzed for the full list of parameters on Table 4.

Overburden Well Installation: The wells were installed to depths of 14.2' to 20' below ground surface with a 2" diameter screen straddling the water table from the bottom up, and a PVC riser. As shown on Figure 7, the screened section of each well has a sand filter pack, followed by bentonite-pellet seal above it, and then bentonite cement grout to the ground surface. The soil borings were screened in the field, and samples were collected for characterization and analysis using split spoons. After installation, the new and existing wells were surveyed so as to facilitate water level measurements and establishment of groundwater flow gradients.

The following procedure was followed for well installation:

a. All equipment was cleaned and free of soil, and the drill rig was stabilized and leveled prior to drilling at each location.

b. The auger was advanced in 2-foot intervals to allow for split sampling. The number of blows per 6" of drilling was recorded in the well log. Drilling was continued until the required depth was reached, which was at least two feet of clay below the overburden soil.

c. Split spoon samples were placed sequentially on a folding table with disposable plastic sheets. Each section was screened with a PID for volatile organics, and logged in the field log along with depth and visual characteristics of the soil, and where water occurs.

d. After screening, sample aliquots for analysis were collected from the selected depth interval in appropriate containers provided by the laboratory and certified clean. The containers with the samples were placed in coolers containing ice bags for shipment to the laboratory.

e. A bentonite plug was placed at the bottom of each well. The screen and riser, cut to the desired lengths (so the screen straddles the water table), was placed in the borehole, and aligned in place to remain vertical. The annular space between the screen and the borehole wall was filled with sand in 6" increments to prevent any air pockets. A layer of bentonite seal was placed above the sand layer, and above that a layer of cement/bentonite slurry.

f. In paved areas, the wells were completed with a lockable cap flush to the ground. Wells in the vegetated area outside the fence have a 3" casing extending 3 feet above ground, with lockable caps.

g. The wells were surveyed and water levels measured to establish a baseline water table elevation and groundwater flow gradient.

h. Drill cuttings from the well installation were staged in 55-gallon drums, and will be disposed off-site along with other contaminated materials during site remediation.

Well Development: The wells were developed to remove fines by purging at least ten well volumes. The turbidity persisted above 50 NTU as may happen in overburden wells and given the nature of the fill material at the site. As the target turbidity of 50 NTU could not be attained, both unfiltered and filtered samples were collected during the first round groundwater sampling event for the parameters of concern (SVOCs and metals). During the second round sampling event, a low flow (30 to 150 ml/min) sampling method with a peristaltic pump and dedicated tubing was used for groundwater sampling. Groundwater sampling was performed after all other field readings (pH, temperature and specific conductivity) stabilized.

Disposable bailers were used for well development and for sample collection in the first round, and the tubing with the peristaltic pump for the second round. During well

development, field measurements (amount of water removed, pH, specific conductivity, temperature and turbidity) were measured and recorded in the field log.

The following procedure was followed for well development:

a. Dedicated, clean, soil-free bailers were used for each well to be developed.

b. The water level was measured and recorded to the nearest 0.01."

c. Well water was bailed and collected in a 5-gallon pail (emptied into a 55-gal drum as needed) until a minimum of 10 well volumes was evacuated. Field parameters - turbidity, pH, specific conductance and oxidation-reduction potential (ORP) - were measured every 3-4 gallons and recorded in a field form.

d. The evacuated well water was staged in 55-gallon drums until receipt of analytical results. Based on the analytical results from the first round, a 5-gallon pail with granular activated carbon was used to filter the water and drain it on to the ground in the unpaved area north of the parking lot.

8.3 Groundwater Sampling and Analysis

The monitoring wells were purged and sampled for the same parameters as the soil samples. All groundwater samples were analyzed for VOCs, SVOCs, PCBs, pesticides, TAL metals (including mercury) and total cyanides (see Table 4). The sampling followed NYSDEC guidelines for sample packaging and shipment (in coolers with ice), chain of custody, analyses and QA/QC requirements. Field measurements during sampling included pH, specific conductivity, ORP and temperature.

The following procedure was followed for well purging and sampling:

a. Dedicated, clean, soil-free bailers (first round) and flexible ¼" tubing with a low flow pump (second round) were used to purge the wells.

b. The water level was measured and recorded to the nearest 0.01."

c. Round 1: Well water was bailed and collected into a 5-gallon pail (emptied into a 55-gal drum as needed) a minimum of 3 well volumes is evacuated. Field parameters (turbidity, pH, specific conductance, ORP) were measured at the beginning, at 50% of the purge volume, and before laboratory sampling. Field measurements and observations were recorded in a field form.

   Round 2: Well water was pumped out of each well using a peristaltic, low-flow pump and dedicated tubing into a 5-gallon pail. Two pumps (Model Geosub2 made by Geotech Environmental Equipment) with dedicated 12-volt batteries were used to minimize the total field time. The pumping rate was maintained starting at 30 ml/min at the first well sampled, and increased to a maximum of 150 ml/min at wells with low turbidity (less than 20 ntu) in the purge water.

d. At the conclusion of purging, groundwater samples were collected in appropriate containers provided by the laboratory for analysis - analytical parameters for groundwater samples are listed in Table 4. All sample containers for analysis were certified clean by the laboratory. The samples were labeled and placed in coolers containing ice bags for shipment to the laboratory.

e. A laboratory-provided chain of custody were completed for the samples and included with the shipment to the laboratory. All sample coolers were properly packed with ice, and dropped off at the laboratory on the day of sampling.

f. The evacuated well water was staged in 55-gallon drums for disposal following receipt of analytical results. Based on the analytical results which showed trace levels of contaminants, the drums of purge water were drained through a 5-gallon pail of granular activated carbon to filter out organics and particulates.

8.4 Quality Assurance/Quality Control Samples

Soil and groundwater were sampled in accordance with NYSDEC (May 2010 DER-10) guidelines, and samples analyzed per NYSDEC ASP requirements.

QA/QC samples included field rinse blanks, field duplicate and matrix spike/matrix spike duplicate. A NYSDOH ELAP-certified laboratory (Test America) was utilized for all analysis during this remedial investigation. Category B deliverables were provided by the laboratory for all samples. All analytical data were validated according to NYSDEC guidelines, and a Data Usability Summary Report (DUSR) is included as Appendix I.

9.0 WATER LEVELS MEASUREMENTS

Groundwater level measurements were made at the eight (8) monitoring wells on several occasions during the course of this investigation: after well installation and development on 7/25/12; on 7/31/12 during first round groundwater sampling; as a level measurement only event on 11/14/12; during second round sampling on 4/25/13-5/1/13; and as a level measurement only event on 6/11/13. The water level measurements are tabulated in Table 6. Contour plots developed using these water level measurements and the SURFER contouring and 3D mapping software (version 8) are included in Appendix G.

10.0 GEOLOGY AND HYDROGEOLOGY

The overburden soil/fill material varies in thickness from 4 to 8 feet, and is underlain with clay and glacial tills. Bedrock was not encountered during this investigation with clay extending beyond the maximum depth (24 feet) of sampling. According to previous reports (1997 Phase II Report, and a 1984 Geotechnical report, both listed in the reference), bedrock starts at depths of 25 to 28 feet below ground surface, and is characterized as Onondaga Limestone of the Middle Devonian age. This is a light grey limestone intermixed with dark grey chert.

As seen on the geologic cross-sections in Appendix F, thin lenses of silty sand were encountered in the areas of MW-4, MW-5, MW-7 and MW-8. The lenses varied from two to ten feet in thickness. On top of the clay and silty sand lenses are various types of fill materials. The fill consists of randomly deposited heterogeneous materials: construction debris (bricks, concrete and wood); junk fill (rubbish, glass and paper); industrial fills such as oil soaked materials and sludge; and various types of soils (clay, silt, sand and gravel). The thickness of the fill ranged from four feet along the southeastern boundary to twenty feet along the northern boundary.

Regional groundwater appears to be flowing in a southerly direction towards the Buffalo River, approximately 5,000 feet to the south of the Site. However, as confirmed by the contour plots in Appendix G, shallow groundwater is heavily influenced by the fill and general development of the Site over many years. The localized groundwater data in Table 6 (also see contour plots in Appendix G) indicates shallow groundwater is encountered at a depth of four (southern portion) to eight feet (northern portion) bgs, consistent with the gentle downward slope of the ground surface to the south. Groundwater flow is to the south. It should be noted, this shallow water appears to be perched on the clay glacial till layer, and could be one of several groundwater systems beneath the Site. The clay and glacial till act as a confining or semi-confining layer, separating the deeper groundwater in the bedrock from the shallow perched groundwater.

11.0 ANALYTICAL RESULTS

Analytical data on laboratory Form 1s are included as Appendix H. Soil analytical results are presented in Tables 7A and 7B for borings, Tables 8 and 9 for test pits, and Table 10 for landfill parameters. Groundwater analytical results are tabulated in Tables 11A and 11B from the two rounds of monitoring. Figures 8A and 8B show totals for organic parameters and selected metals in soils from the RI borings and test pits respectively. Phase II and RI soil samples exceeding one or more commercial or industrial SCOs are highlighted on Figure 9 along with total SVOCs and lead. Concentrations of individual SVOCs and metals exceeding SCOs are included on Figures 10A, 10B and 10C for various depth intervals (surface, at 0’ – 4’ and 4’ – 12’ respectively). PCBs exceeding SCOs are shown on Figure 11.

11.1 Soil Borings at Monitoring Wells

Sampling: On July 16-19, 2012 monitoring well installations were completed at (8) locations (MW-1 through MW-8) across the site. MW-1 was installed in the west leg of the site. MS-3 and MW-5 are centrally located. MW-2 is located on the north border near the center of the property, and MW-4 and MW-8 are located near the south border near the middle of the site. MW-6 and MW-7 are located at the eastern end of the site.

Continuous soil samples were collected in two-foot intervals to a depth of between 16 and 24 feet and screened in the field for VOCs with a PID. Analytical results for these soil samples are presented in Table 7A along with sampling depths. Total VOCs, total SVOCs and lead are also shown on Figure 8A along with the sample locations.

All samples show evidence of fill with trash in it. Many of the samples appeared to have slag, brick and ash which are indicative of industrial fill. The water table varied between 6' and 12'.

Analytical Results: None of the soil samples from the monitoring well locations had VOCs exceeding Part 375 restricted commercial or industrial use SCOs. As seen in Table 7A, up to seven (7) VOC compounds were found in the samples analyzed, ranging from 0.86 µg/Kg tetrachloroethene at MW-1 to 310 µg/Kg methylcyclohexne at MW-5.

The highest VOC concentrations (with total VOCs of 612 µg/Kg) were posted at MW-5, located at the center east part of the site in a paved area where a UST is believed to have been removed. A previously disturbed area of blacktop here is a possible indicator of a past UST. The next highest posting is MW-4 with 93 µg/Kg total VOCs. MW-4 is located along the south border near the entrance to the property off of Dingens St.

Up to twenty (20) SVOC compounds were found in the samples analyzed, including all seven polynuclear aromatic hydrocarbons (PAHs) on the USEPA's Priority Chemical List. Five of the eight soil samples had up to three SVOCs (benzo(a)anthracene, benzo(a)pyrene and benzo(b)fluoranthene) exceeding restricted industrial use SCOs, and one SVOC (dibenz(a,h)anthracene) exceeding the restricted commercial use SCO. The detected concentrations these four SVOCs ranged as follows: benzo(a)anthracene from 28 µg/Kg at MW-4 to 13,000 µg/Kg at MW-2; benzo(a)pyrene from 24 µg/Kg at MW-4 to 11,000 µg/Kg at MW-2; benzo(b)fluoranthene from 36 µg/Kg at MW-4 to 15,000 µg/Kg at MW-2; and dibenz(a,h)anthracene from 15 µg/Kg at MW-4 to 860 µg/Kg at MW-6.

MW-2, located along the north border near the center of the site, posted the highest total SVOC at 148,260 µg/Kg. MW-6, located on the northeast corner, was the next highest at 97,300 µg/Kg. Only one soil sample showed one PCB compound (Aroclor 1248) at a low level, and three samples had one pesticide compound (4,4-DDT) at low levels. All were well below their corresponding Part 375 commercial use SCOs. Cyanide was non-detect in all samples.

Four of the eight soil samples at monitoring well locations had up to five metals (arsenic, copper, lead, zinc and mercury) exceeding restricted industrial use SCOs. Two of the locations had soils with two metals (barium and lead) exceeding restricted commercial use SCOs. MW-7 had the highest concentration of lead with 6770 mg/Kg. MW-2, MW-3 and MW-5 all had relatively high lead levels that exceeded the lead SCO for commercial use.

The detected concentrations of these metals were as follows: arsenic from 7.8 mg/Kg at MW-1 to 128 mg/Kg at MW-2; barium from 69.3 mg/Kg at MW-1 to 4,530 mg/Kg at MW-7; copper from 30.8 mg/Kg at MW-4 to 276 mg/Kg at MW-2; mercury from 0.12 mg/Kg at MW-7 to 7.0 mg/Kg at MW-2; and lead from 18.8 mg/Kg at MW-4 to 6,770 mg/Kg at MW-7.

11.2 Geoprobe Soil Borings

Sampling: On July 23 and 24, 2012, soil borings were completed at eighteen (18) locations (GS-17 through GS-34) with a Geoprobe. An additional six (6) Geoprobe locations (GS-36 through GS-40) were sampled on September 21, 2012.

Samples GS-17 through GS-22 were taken in the west leg of the site. GS-23 was taken north of the refrigeration building. GS-24 was located near the south border at the center of the site. GS-27, GS-28 and GS-29 were on the south side of the east half of the property. GS-25, GS-26, GS-30, GS-31, GS-32, GS-33 and GS-34 were taken on the north side of the east half of the site. Two samples (GS-35 and GS-36) were taken within the old warehouse footprint, while samples GS-37 through GS-40 were located in the eastern section of the site to augment data for that area.

Continuous soil samples were collected in four-foot intervals to a depth of between 16 and 20 feet and screened in the field for VOCs with a PID. Analytical results for those samples so analyzed from these boring locations are tabulated in Table 7B. Total VOCs, total SVOCs and lead are also shown on Figure 8A along with the sample locations.

All samples showed evidence of fill with trash in it. Many of the samples appeared to have slag, brick and ash which are indicative of industrial fill. The water table varied between 5' and 11'.

Analytical Results: The first round of Geoprobe soil samples were all analyzed for VOCs. As seen in Table 7B, up to ten (5) VOC compounds were detected in the samples analyzed, ranging from 1.2 µg/Kg cyclohexane at GS-26 to 520 µg/Kg acetone at GS-30. None of the soil samples exceeded the restricted commercial use SCOs for VOCs.

GS-30 posted the highest VOC concentrations with total VOCs at 644 µg/Kg. GS-30 is located in the easternmost paved area near the start of the unpaved area at the east end of the site. A previously disturbed area of blacktop here is a possible indicator of a past UST. GS-24, located along the south border near the southwest corner of the concrete slab, had the next highest total VOCs at 498 µg/Kg.

All Geoprobe soil samples from the BCP RI were tested for SVOCs and metals. As seen on Figure 9, The Site shows wide spread exceedance of restricted commercial/industrial use SCOs for SVOCs and metals in the vegetated areas that stretch along the northern property boundary and cover the eastern portion of the Site.

Up to nineteen (19) SVOC compounds were found in the samples analyzed. Fourteen (14) of the twenty four Geoprobe locations had soils exceeding the restricted commercial or industrial use SCOs of up to four SVOCs. Benzo(a)pyrene exceeded its industrial use SCO in all these samples, while the other three SVOCs (benzo(a)anthracene, benzo(b)fluoranthene and dibenz(a,h)anthracene) exceeded industrial use SCOs in two to three samples. The detected concentrations these four SVOCs ranged as follows: benzo(a)anthracene from 71 µg/Kg at GS-17 to 17,000 µg/Kg at GS-32; benzo(a)pyrene from 59 µg/Kg at GS-17 to 17,000 µg/Kg at

GS-32; benzo(b)fluoranthene from 79 µg/Kg at GS-17 to 24,000 µg/Kg at GS-32; and dibenz(a,h)anthracene from 99 µg/Kg at GS-32 to 1600 µg/Kg also at GS-32.

GS-32 posted by far the highest levels of SVOCs with total SVOCs at 231,130 µg/Kg. GS-32 is located along the northeast border of the site. GS-18 and GS-33 were the next highest with 62,560 µg/Kg and 94,460 µg/Kg total SVOCs respectively. GS-18 is located on the west end of the property and GS-33 is located along the north border of the property just west of GS-32. Twenty three (23) samples posted total SVOCs between 6,454 µg/Kg and 91,220 µg/Kg, while the remaining three samples had total SVOCs between 132 and 1,840 µg/Kg.

Eight metals (arsenic, barium, cadmium, copper, lead, mercury, nickel and zinc) exceeded their corresponding SCOs for commercial use in one or more samples. Of these, only four metals (arsenic, mercury, lead and zinc) also exceeded industrial use SCOs. The detected concentrations of these metals were as follows: arsenic from 1.4 mg/Kg at GS-17 to 43.1 mg/Kg at GS-18; barium from 14.4 mg/Kg at GS-17 to 2,370 mg/Kg at GS-20; cadmium from 0.049 mg/Kg at GS-17 to 9.5 mg/Kg at GS-28; copper from 4.5 mg/Kg at GS-17 to 1,200 mg/Kg also at GS-32; lead from 2.9 mg/Kg at GS-17 to 9,790 mg/Kg at GS-20; mercury from 0.020 mg/Kg at GS-26 to 8.3 mg/Kg at GS-21; nickel from 3.1 mg/Kg at GS-26 to 743 mg/Kg at GS-32; and zinc from 9 mg/Kg at GS-17 to 14,400 mg/Kg at GS-28.

Among metals, GS-20 and GS-30 had the highest concentrations of lead with 9,790 mg/Kg and 6,880 mg/Kg respectively. Fifteen (15) soil samples exceeded the restricted commercial SCO for lead, and only two (2) of these exceed the restricted industrial use SCO for lead. GS-19, GS-20, GS-22, GS-28 and GS-33 had relatively high arsenic levels. GS-21 was the only sample that posted a higher than allowed concentration of mercury. GS-24, GS-25, GS-26, GS-27, GS-29 and GS-36 did not have any metals exceeding the SCOs for commercial land use.

PCBs were detected in eight (8) samples. Of these, two samples (GS-17 and GS-19) exceeded the commercial use SCO for PCBs (Aroclor 1248 at 1,800 and 1,700 µg/Kg, and Aroclor 1254 at 3,100 and 3,400 µg/Kg respectively), but were below the industrial use SCO. Pesticides were detected in twelve (12) samples ranging from 8.2 µg/Kg 4,4'-DDT at GS-22 to 88 µg/Kg 4,4'-DDE at GS-19. All detected pesticides were below their instrument limits and none exceeded the commercial use SCOs for pesticide compounds. No cyanide was detected in any of the samples.

Based on elevated lead results previously measured at two soil boring locations (MW-7A and GS-20), additional soil boring samples (one at MW-7A and two at MW-20A) were collected from the same locations and analyzed for total and TCLP lead. The results included in Table 7B shows the soil resampled at MW-7A with high total lead (25,800 mg/Kg) which exceeds industrial use SCO, and TCLP lead at 34.4 mg/L which exceeds the TCLP limit of 5 mg/L. The two soil samples from GS-20A at 2'-4' and 5'-7' depth intervals had 2,220 and 837 mg/Kg total lead, one of which exceed only the commercial use SCO, and the corresponding TCLP lead concentrations were 0.35 and 0.56 mg/L.

11.3 Test Pit Soils

Sampling: On Sep 25, 2012, IEG worked with Pinto Construction Services to perform test pit sampling at the site. An excavator was used to dig test pits at ten (10) locations (TS-8 through TS-17) outside of the fencing, across the unpaved eastern and northern boundaries of the site and on the west end. Four test pits (TS-8, TS-9, TS-10 and TS-11) were located on the east end of the property. TS-12 and TS-13 were taken on the north-central border of the site. TS-14 and TS-15 were located along the north border of the west leg of the site, and TS-16 and TS-17 on the west end of the property.

Surficial (0 – 2") soil samples were first obtained from nine (9) test pit locations (excluding TS-16) before any excavation work. The test pits were then dug to obtain deeper samples. Soil descriptions and logs are included in Appendix C. The samples were analyzed for VOCs, SVOCs, PCBs, metals and cyanide depending on field observations and locations. Two test pit locations from the 2011 Phase II ESA that were high in total lead were resampled for total and TCLP lead - these are designated TS-1A and TS-4A. Selected test pit soil samples were also analyzed for landfill parameters required to obtain landfill acceptance for contaminated soil disposal. Analytical results for the test pit soil samples are presented in Tables 8 (surficial samples) and 9 (all depths). Results for landfill parameters are presented in Table 10. The locations of the test pits are shown on Figure 4, while Figure 8B shows total SVOCs, PCBs and lead.

All test pits showed evidence of fill with trash in it. Many of the digs appeared to have slag, brick and ash which are indicative of industrial fill. Ceramic pieces, iron and glass were also common. The water table was evident only at TS-8, TS-9, TS-10 and TS-17 and was at least 4' below ground level.

Analytical Results: Analytical results for test pits are presented in Tables 8 (surface soil; samples only) and 9 (all RI soil samples).

Only two test pit samples (TS-8 and TS-11) located in the eastern section of the site were sampled for VOCs. Only trichloroethylene (TCE) was detected at trace levels (2.4 µg/Kg at TS-8 and 2.5 µg/Kg at TS-11).

Up to 24 SVOCs were found in all the test pit samples. The test pits were dug in the vegetated areas of the Site along the northern property boundary, and the eastern portion. All but one test pit location had soil with one or more SVOCs exceeding restricted industrial use SCOs. Up to six (6) SVOC compounds exceeded their corresponding soil SCOs for restricted commercial use. Five of these compounds also exceeded the industrial use SCOs in the soil samples.

Benzo(a)pyrene exceeded its industrial use SCO in all surficial samples, and in nearly all depth samples. The other SVOCs exceeding industrial use SCOs in one or more samples included benzo(a)anthracene, benzo(b)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene. Chrysene exceeded its restricted commercial use SCO only in one sample. The detected concentrations these SVOCs ranged as follows: benzo(a)anthracene from 78 µg/Kg at TS-10 to 72,000 µg/Kg at TS-15; benzo(a)pyrene from 53 µg/Kg at TS-10 to 56,000 µg/Kg at TS-15; benzo(b)fluoranthene from 75 µg/Kg at TS-10 to 46,000 µg/Kg at TS-15;

chrysene from 100 µg/Kg at TS-12 to 69,000 µg/Kg at TS-15; dibenz(a,h)anthracene from 14 µg/Kg at TS-10 to 12,000 µg/Kg at TS-15; and indeno(1,2,3-cd)pyrene from 26 µg/Kg at TS-10 to 27,000 µg/Kg at TS-15.

As seen in Table 8, TS-15 exhibited by far the highest total SVOCs with 1,031,800 µg/Kg in a surficial sample, significantly exceeding all others by several orders of magnitude. TS-15 is located along the middle of the northern border of the property northwest of the Refrigeration Building. It is near TS-5 which was found to have the highest total SVOCs in the 2011 Phase II ESA.

TS-11, TS-13 and TS-17 posted the next highest readings with 372,100, 350,260 and 251,860 µg/Kg total SVOCs respectively at the surface, and had seven SVOC compounds exceeding the soil SCOs. TS-11 is located at the northeast boundary while TS-13 is near TS-5, and TS-17 is in the west end of the site. The other soil samples had between 927 and 121,300 µg/Kg total SVOCs. Only one location, TS-16 in the western end of the property, had no exceedance of the soil SCOs for SVOCs.

All lab samples were tested for metals. Only arsenic, lead, mercury and zinc exceeded their corresponding industrial use SCOs in test pit samples – arsenic exceedance was observed in seventeen (17) samples, and only one sample each for mercury, lead and zinc. In addition to these three, barium, copper and lead were six metals exceeding the corresponding Part 375 SCOs for commercial use. The detected concentrations of these metals were as follows: arsenic from 6.3 mg/Kg at TS-9 to 274 mg/Kg at TS-13; barium from 75.5 mg/Kg at TS-10 to 1,290 mg/Kg at TS-10; copper from 31.9 mg/Kg at TS-8 to 2,400 mg/Kg at TS-11; mercury from 0.06 mg/Kg at TS-10 to 5.8 mg/Kg at TS-13; lead from 29.5 mg/Kg at TS-10 to 93,500 mg/Kg at TS-9; and zinc from 187 mg/Kg at TS-9 to 14,300 mg/Kg at TS-10.

Two samples TS-13 (surface and 2'-8' depth interval) were found to have the highest arsenic concentrations (167 and 274 mg/Kg respectively. All other samples were in the range of 6.3 to 43.6 mg/Kg. Lead was found to be the highest at TS-9 (93,500 mg/Kg), while two samples were at 8240 mg/Kg (TS-4A at 5'7' interval). All other samples had lead concentrations below 5,450 mg/Kg. TS--13 had the highest mercury concentration (5.8 mg/Kg at the surface) and all others were in the range of 0.094 to 1.6 mg/Kg. Barium ranged from 113 to 954 mg/Kg. Except for one sample (TS-10 at the surface) with a high zinc level of 14,300 mg/Kg, all other samples were in the range of 26.2 to 2,870 mg/Kg for this heavy metal.

Several test pit soil samples from areas of elevated total lead were also analyzed for TCLP lead. Soil samples with total lead in the range of 706 to 5,450 mg/Kg exhibited TCLP lead ranging from 0.52 to 3.8 mg/L, below the 5 mg/L TCLP limit. Those with total lead from 8,240 to 25,800 mg/Kg total lead also exhibited elevated TCLP lead from 9.9 to 34.4 mg/L.

At least one soil sample from each test pit location was analyzed for PCBs which was detected in seven (7) samples. A surface sample at TS-15 exhibited the highest PCB concentration (Aroclor 1248 at 59,000 µg/Kg) that exceeded the restricted industrial use SCO. All other detected PCBs ranged from a low of 79 µg/Kg Aroclor 1242 at TS-10 to 710 µg/Kg Aroclor 1260 at TS-11.

Pesticides were detected in all but one sample with individual pesticides detections ranging from 11 µg/Kg Endrin at TS-12 to 380 µg/Kg Endosulfan II at TS-15. Total pesticides ranged from 11 at TS-12 to 886 µg/Kg at TS-15. All pesticide compounds were below their restricted commercial use SCOs.

Cyanide was detected at trace concentrations (from 0.55 mg/Kg at TS-11 to 3.0 mg/Kg at TS-17) in all but one sample, and all concentrations were well below the restricted commercial use SCO.

11.4 Landfill Parameters

Five test pit samples were analyzed for all the landfill parameters – TCLP VOCs, TCLP metals, reactivity, total petroleum hydrocarbons, pH and flashpoint. The results presented in Table 10 show all parameters to be within landfill acceptable limits except for lead in one sample (GS-30) which was measured at 16 mg/L.

11.5 Groundwater

Sampling: All eight (8) groundwater monitoring wells at the site were sampled twice as part of this remedial investigation: Round 1 sampling was completed using dedicated bailers in August 2012, and Round 2 was completed in May 2013 using a low flow sampling method. All unfiltered samples were analyzed for VOCs, SVOCs, pesticides, PCBs, metals and cyanide.

During the first round all monitoring wells exhibited high turbidity in the purge water even after the required minimum three well volumes were removed. This is attributed to the nature of the industrial fill material in the overburden. Due to this persistently high turbidity, all groundwater samples were also filtered by the laboratory and analyzed for SVOCs and metals.

The second round groundwater sampling was performed using a low flow peristaltic pump to minimize/eliminate fines that contribute to sample turbidity and elevate contaminant levels. As seen by the analytical data presented in Tables 11A and 11B, this second round method resulted in much better groundwater quality than the unfiltered samples in the first round, and similar to the first round filtered samples. Two groundwater samples (MW-6 and MW-7) were also filtered by the laboratory before analyzing for SVOCs and metals.

Analytical Results from First Round: Table 11A presents analytical results from the first round of groundwater sampling. All unfiltered groundwater samples in the first round were analyzed for VOCs and only up to four volatile compounds were detected at trace levels and well below groundwater standards. Acetone was detected at the highest levels from 3.5 µg/L at MW-8 to 26 µg/L in MW-5. The other three compounds ranged from 0.44 µg/L carbon disulfide at MW-1 to 3.7 µg/L acetone at MW-4.

Up to twenty three (23) SVOCs were detected in unfiltered groundwater samples, ranging in concentrations from 0.35 µg/L di-n-butyl phthalate at MW-6 to 30 µg/L fluoranthene at MW-2. Five of the wells had one or more SVOCs in unfiltered samples exceeding the groundwater standards. The most number of SVOCs was found at MW-2 which is located in the north-central portion of the site inside the

fence. The three wells (MW-4, MW-7 and MW-8) along the southern property boundary showed only one SVOC at trace level (below method detection limit).

In contrast, only up to eight (8) SVOCs were at trace levels in all laboratory-filtered groundwater samples, ranging in concentrations from 0.37 µg/L di-n-butyl phthalate at MW-6 to 13 µg/L 2-methylnapthalene. Only three (3) SVOCs exceeding the groundwater standards two of the filtered samples – one SVOC (2-methylnapthalene at 13 µg/L) in MW-5 and two SVOCs (naphthalene at 5.7 µg/L and phenanthrene at 5.6 µg/L) in MW-2.

Up to four (4) pesticide compounds were detected in three of the eight unfiltered samples at trace levels (0.018 delta-BHC at MW-3 to 0.028 µg/L endrin aldehyde in MW-4). None of the detected compounds exceeded groundwater standards. No PCBs were detected in any of the groundwater samples. Total cyanide was reported to be present at trace levels (0.014 at MW-2 to 0.12 mg/L at MW-6) in five unfiltered groundwater samples, and none exceeded the groundwater standard.

All unfiltered and filtered groundwater samples were analyzed for metals. While eleven metals were at concentrations exceeding groundwater standards in unfiltered samples, only four of these marginally exceeded groundwater standards in filtered samples. Barium exceeded the standard in filtered samples at one well (MW-2) with 1.3 mg/L, magnesium in three wells (36.3 at MW-7 to 74.7 mg/L at MW-5), manganese in six wells (0.41 MW-2 to 0.84 mg/L at MW-1 and MW-8), and mercury at one well (MW-6) with 0.002 mg/L.

Analytical Results from Second Round: Table 11B presents analytical results from the second round of groundwater sampling. All unfiltered groundwater samples in the second round were analyzed for VOCs and none were detected.

Up to nine (9) SVOCs were detected in four unfiltered groundwater samples, ranging in concentrations from 0.41 µg/L acenaphthene at MW-5 to 2.3 µg/L acenaphthene at MW-2. One SVOC was present at MW-4 and MW-7, two at MW-5 and nine at MW-2, and none exceeded groundwater standards. No SVOCs were detected in the two filtered groundwater samples taken at MW-6 and MW-7.

Up to eight (8) pesticide compounds were detected in four unfiltered groundwater samples at trace levels (0.0085 alpha-BHC at MW-5 to 0.012 µg/L delta-BHC and Endosulfan I at MW-2) and none exceeded groundwater standards. No PCBs were detected in any of the groundwater samples. Cyanide was reported to be present at trace levels (0.0097 at MW-6 and 0.079. mg/L at MW-5) in two unfiltered groundwater samples, both well below the groundwater standard.

All eight unfiltered and two filtered groundwater samples were analyzed for metals. Only three metals were at concentrations exceeding groundwater standards in unfiltered samples, and only two of these exceeded groundwater standards in filtered samples. Barium exceeded the standard at one well (MW-5) with 2 mg/L, magnesium in five wells (40.7 mg/L at MW-8 to 98.8 mg/L at MW-5) and manganese in six wells (0.43 at MW-5 to 0.94 mg/L at MW-7). Mercury was non-detect in all groundwater samples.

11.6 QA/QC Samples

Analytical results for field duplicate samples are presented in Table 12A (soil) and 12B (groundwater). The variations between duplicate samples are within the range anticipated for these matrices.

Analytical results for equipment rinse and trip blanks are included in Table 13. Only trace levels of VOCs, SVOCs and metals were detected in the rinse blanks. The trip blanks were non-detect for VOCs and SVOCs.

12.0 SUMMARY OF SITE CONTAMINATION

As described in section 10, the site and its surrounding areas have been built up by a variety of materials ranging from construction debris to industrial fills and soils. As seen in the sub-surface cross-sections in Appendix F, the manmade fill materials extend from the surface to depths of up to 20 feet in the northern unpaved areas of the site, and up to 6 feet in the paved areas to the south. These fill materials bear heavily on the nature and extent of on-site soil and groundwater contamination.

As seen in the analytical data tables included here from the Phase II ESA and this BCP remedial investigation, volatile organics, pesticides and cyanide are only at trace levels and not of significance at this site. Underground petroleum storage tanks that were used at one time and subsequently removed do not show a significant residual impact on the site.

Based on the results of two rounds of sampling, groundwater does not appear to be adversely impacted at the site. The eight overburden monitoring wells straddle the fill materials, and unfiltered groundwater samples from these wells have low levels of contaminants consistent with the carryover of fine solids from the formation. Filtered groundwater samples from the first round and unfiltered samples from the second round were found to have only trace levels of semivolatile organics and metals typical of the area. These findings indicate that the site contaminants are not readily leaching from the fill materials into the groundwater. Therefore groundwater contamination is not a significant concern for this site.

Of greater significance is soil contamination with several semi-volatile compounds, PCBs and a few metals which are listed in Table 14 along with the range of concentrations found in site soils during the Phase II and RI investigations. SVOC and metals contamination in the soil is widespread across the vegetated areas of the site. These two parameters are typically associated with the industrial type fill material making up the top four to twenty feet of the subsurface. Among the metals, lead is of the greatest concern since high concentrations of total lead (greater than 5,000 mg/Kg) can result in exceedance of its TCLP limit.

The distribution of total SVOCs and lead is illustrated in Figure 9 for the full depth of soil sampling, and Figures 10A, 10B and 10C for different depth intervals. Total PCBs are shown on Figure 11. Samples with exceedances of the restricted commercial or industrial use SCOs for one or more constituents are also highlighted in these figures.

12.1 Semivolatile Organics

Semivolatile organics are present at a wide range of concentrations in soil samples across the site from the surface down through the fill materials. As seen on Figures 9 and 10, most SVOCs exceedances of the Part 375 SCOs occur mostly in subsurface soils in the northern unpaved areas, with relatively much higher SVOC contamination in the northwest portion of the site (at TS-5 and TS-15). Total detected concentration of SVOCs ranged from a low of 132 mg/Kg (to a high of 1,031 mg/Kg during this remedial investigation.

The detected concentrations of individual SVOC compounds that exceed commercial or industrial use SCOs in one or more Phase II and RI soil samples are as follows: benzo(a)anthracene from 13 µg/Kg at GS-1 to 490,000 µg/Kg at TS-5; benzo(a)pyrene from 24 µg/Kg at MW-4 to 550,000 µg/Kg at TS-5; benzo(b)fluoranthene from 21 µg/Kg at GS-1 to 600,000 µg/Kg at TS-5; benzo(k)fluoranthene from 20 µg/Kg at GS-2 to 240,000 µg/Kg at TS-5; chrysene from 19 µg/Kg at GS-1 to 450,000 µg/Kg at TS-5; dibenz(a,h)anthracene from 14 µg/Kg at TS-10 to 86,000 µg/Kg at TS-5; fluoranthene from 15 µg/Kg at GS-1 to 1,200,000 µg/Kg at TS-5; indeno(1,2,3-cd)pyrene from 14 µg/Kg at GS-1 to 250,000 µg/Kg at TS-5; phenanthrene from 31 µg/Kg at TS-3 to 1,200,000 µg/Kg at TS-5; and pyrene from 35 µg/Kg at TS-3 to 880,000 µg/Kg at TS-5.

12.2 PCBs

PCBs were found mostly in the unpaved areas of the site. PCBs ranged from 79 µg/Kg (Aroclor 1242) at TS-10 on the east end to a high of 59,000 µg/Kg (Aroclor 1248) at TS-15 in the northwest area. Exceedances of the commercial/industrial use SCOs for PCBs occurred in surficial soils in the northwest unpaved area of the site, including a hot-spot location with the highest PCB contamination.

12.3 Metals

The distribution of heavy metals in the soil is typical of the nature of the fill material. Arsenic, barium, cadmium, copper, lead, mercury, nickel and zinc represent metals with exceedances of the corresponding Part 375 SCOs for restricted commercial use. Of these, only arsenic, lead, zinc and mercury exceeded the industrial use SCOs. The detected concentrations of these metals are as follows: arsenic from 1.4 mg/Kg at GS-17 to 274 mg/Kg at TS-13; barium from 7 mg/Kg at TS-3 to 4,530 mg/Kg at MW-7; cadmium from 0.049 mg/Kg at GS-17 to 9.5 mg/Kg at GS-28; copper from 4.5 mg/Kg at GS-17 to 2,400 mg/Kg at TS-11; lead from 2.9 mg/Kg at GS-17 to 93,500 mg/Kg at TS-9; mercury from 0.02 mg/Kg at GS-26 to 8.3 mg/Kg at GS-21; nickel from 3.1 mg/Kg at GS-26 to 743 mg/Kg at GS-32; and zinc from 9 mg/Kg at GS-17 to 14,400 mg/Kg at GS-28.

Lead is of significance because it is present in concentrations high enough in a few places to exceed the TCLP limit and thereby considered hazardous. One sample at TS-9 in the unpaved eastern section of the site had 93,500 mg/Kg total lead, more than an order of magnitude higher than all the other samples; all others were below 10,000 mg/Kg. The unpaved northwest section of the property had the second highest lead concentration at 9,790 mg/Kg, followed by the eastern portion with 6880

and 6770 mg/Kg. The paved area in and around the old warehouse foundation had relatively lower levels of heavy metals.

The relationship between total and TCLP lead is illustrated by the chart included in Table 15 along with analytical data and sample locations. Soil samples with total lead in the range of 706 to 5,450 mg/Kg exhibited TCLP lead ranging from 0.52 to 3.8 mg/L, below the 5 mg/L TCLP limit. Those with total lead from 8,240 to 25,800 mg/Kg total lead exhibited elevated TCLP lead from 9.9 to 34.4 mg/L. This data indicates that lead is not readily leachable from the fill material, and that only soil containing around 5,000 mg/Kg total lead has the likelihood of exceeding its TCLP limit of 5 mg/L.

13.0 QUALITATIVE HUMAN HEALTH RISK ASSESSMENT

A qualitative human health risk assessment is performed for this Site in accordance with DER-10 Technical Guidance for Site Investigation and Remediation. The overall purpose of this exposure assessment is to evaluate and document how people might be exposed to site-related contaminants, and to identify and characterize the potentially exposed populations now and under the reasonably anticipated future use of the site. The five elements of this exposure assessment are contaminant source, contaminant release and transport mechanisms, potential exposure points, routes of exposure and receptor populations.

13.1 Site Characterization

This is an irregular shaped, 13-acre parcel of commercial property that had a large manufacturing and warehouse facility for food distribution and a pump-house that housed a refrigeration unit. The rest of the parcel is comprised of paved areas around the buildings, and vegetated areas along the northern and eastern property boundaries. The warehouse burned down in 2011 and the debris from this fire was cleared in 2012 to leave behind only the foundation. The Site is surrounded on all sides by commercial properties. A more detailed description of the Site is provided in Section 2.0.

Soil: Based on data collected to date and as shown by the soil analytical data in Figure 5 (Supplemental Phase II Investigation) and Figures 8 through 11 (this BCP Remedial Investigation), the highest levels of soil contamination exceeding restricted industrial use SCOs appears to be in vegetated areas along the northern property boundary and the eastern section. Elevated levels were also found in the old UST area just northeast of the warehouse foundation. Relatively lower levels of contamination were found in the paved areas surrounding the old warehouse foundation, and even lower along the southeastern property boundary.

The contaminants found at this Site are associated with industrial type fill material that was used to elevate the ground level to its present state not only at the Site but also the surrounding properties. This fill now makes up the top four (southern section of the property) to twenty feet (northern area) of the subsurface.

Groundwater: Given the nature of the contaminants (i.e. relatively immobile), groundwater does not appear to be adversely impacted at the Site. Any contamination observed in groundwater appears to come from the carryover of fine

fill material during sampling, particularly the first round which was performed using bailers (see Table 11A). As shown in Table 11B, VOCs and PCBs were not detected in groundwater samples collected using the low flow method while SVOCs were present at trace levels and well below the corresponding groundwater standards in groundwater at four of the eight monitoring wells. The same is true for pesticides except for one compound that was slightly above the groundwater standard. Amongst the metals, only barium, magnesium and manganese were found to marginally exceed the corresponding groundwater standards. This level of trace to low level contamination and groundwater quality appears to be associated with the nature of fill materials used to develop the area over several decades. Also, groundwater beneath the site is not a source of potable water, as the area is serviced by the City of Buffalo.

13.2 Selection of Chemicals of Concern

Volatile organics are at trace levels (below method detection limits) in both soil and groundwater, and therefore not of concern for this Site. Parameters of concern at this Site are semivolatile organics (particularly PAHs), PCBs and metals in site soils. SVOCs and metals occur from the surface in the vegetated areas, and extend across the site to depths of up to eight (8) feet. PCB contamination is limited to surficial soil in a small, vegetated area in the northwest section of the Site.

Table 14 provides a list of the Chemicals of Potential Concern (COPCs) at this Site along with the range of concentrations found in site soils during the Phase II and BCP RI investigations. These COPCs are determined to have the potential for human health risk based on the Soil Cleanup Objectives (SCOs) for restricted commercial and industrial use scenarios in 6 NYCRR Part 375.

13.3 Exposure Assessment

A qualitative exposure assessment consists of characterizing the exposure setting (physical environment and exposed populations), identifying exposure pathways, and evaluating contaminant fate and transport.

The physical setting of the Site is presented in Section 3.0 above. Current and future land use scenarios for the Site determine the type of populations that may potentially be exposed.

Current Land Use: The Site had not been in use for over a decade, and had remained as a vacant lot since a 2011 fire completely destroyed the 85,000 sf warehouse building. Only the warehouse foundation survived the fire. The entire paved area of the site is surrounded by a chain link fence. The old pump-house building was cleaned out in 2012 and half the space has been rented to a small commercial business. Its employees access the building though the front gate on Dingens Street and the paved area surrounding it.

Future Land Use: This Site with its large building foundation has the space to house a multi-story building for commercial and/or industrial use, and also has the potential for restricted commercial/industrial use (as defined with the associated restrictions in DER-10).

Redevelopment of this property for future use could therefore entail construction of a multi-story building on the existing foundation and possibly another building to the east, refurbishing the existing pump-house building for full commercial use, repaving/repairing paved areas around the buildings, and establishing green space in the remaining areas (i.e. current vegetated areas).

13.4 Identification of Potential Exposure Pathway

Currently, the exposed populations at the Site include employees of the commercial business renting space in the pump-house, maintenance/construction workers, and possible trespassers. Future exposed populations could potentially include Site workers, remediation workers, maintenance/construction workers, and the general public. The Site contaminants do not present a risk to off-site receptors since VOCs are not a concern and groundwater is not adversely impacted.

Given the above outlined land use scenarios (commercial and industrial) and exposed populations, the following exposure scenario receptors and pathways are anticipated at this Site:

- Incidental soil ingestion by adults
- Inhalation of soil by adults
- Dermal contact with soil by adults
- Groundwater protection
- Ecological Resource protection

13.5 Fate and Transport in Receiving Media

SVOCs, metals and PCBs are the COPCs for this Site in the soil medium. These contaminants are stable in the environment, and the subsurface industrial type fill materials and soils have a high adsorption capacity for them. Biological (e.g. biodegradation and plant metabolism) and chemical (e.g. oxidation) transformation processes are exceedingly slow for the organic constituents, particularly SVOCs and PCBs. There is no medium at the Site that would accumulate any of the contaminants.

Wind and water are the predominant transport mechanisms for the Site contaminants in soil. Wind can carry surficial soils across the Site and away from it, particularly from unpaved areas that also lack vegetative cover. Water, in the form of precipitation, has the potential to leach COPCs into the groundwater.

13.6 Potential Migration of Soil or Groundwater COPCs

The Site COPCs have the potential to migrate with the soil through the air and groundwater. Under normal conditions, migration of contaminated surficial soils through the air occurs in a limited way (usually windy days) in open areas lacking vegetation. Contaminated soil can be entrained in air and/or groundwater during intrusive activities such as excavations for site remediation or underground utilities, and the soil particles thus suspended could be incidentally inhaled or ingested by people on the Site.

13.7 Exposure Scenarios and Completed Pathways

Exposure pathways (ingestion, inhalation and dermal contact) for soil-based COPCs in unpaved areas of the Site are complete but limited by dense vegetation. These pathways are not complete in paved areas where the contaminated soil lies beneath the asphalt surface and the underlying stone base. Access to the unpaved areas is currently limited by the security fence at the Site.

Completed on-site exposure pathways for human exposure to COPCs from the Site are summarized below:

- Dermal contact with on-site soil by workers, visitors and trespassers under current/future conditions
- Inhalation of airborne soil particles by workers, visitors and trespassers under current/future conditions
- Incidental ingestion of soil particles by workers, visitors and trespassers under current/future conditions
- Incidental dermal contact with and incidental ingestion of contaminated soil in groundwater in excavations by workers under future conditions

14.0 Summary and Conclusions

Iyer Environmental Group PLLC (IEG) completed the field work in 2012/2013 for the BCP Remedial Investigation at 132 Dingens St. Site. This Site is an irregular shaped, 13-acre parcel that once housed an 85,000-sf manufacturing/warehouse building which burned down in 2011 leaving behind just the foundation. Another smaller building that remains at the Site has been cleared of a previously used ammonia refrigeration unit and pump-house equipment. Half the building is currently rented out to a commercial business. The property was previously used as a fuel service station, and a food warehouse. The Site is surrounded by commercial properties, and is zoned as such.

The ground surface slopes gently to the south, and surface water runoff from the site is directed to numerous storm catch basins throughout the paved parking areas that discharge into the City of Buffalo's municipal sewer system. Soils on the site are mapped as Urban Land which can typically contain fill materials with little native soil conditions remaining. No sensitive ecological receptors were identified in and around the site. Potable water is supplied from Lake Erie by the City of Buffalo, and there are no drinking water wells in the area. The groundwater table is approximately 7 to 10 feet below ground surface, and regional flow is generally to the south toward the Buffalo River.

Previous investigations at the Site included two Phase I ESAs (1997 by Acres International, and 2004 by Kay Ver Group), and two Phase II ESAs (2004 by Baron Associates, and 2011 by Iyer Environmental Group). Data from the 2011 Phase II ESA (which included 7 test pits and 17 Geoprobe soil borings) and this BCP RI form the basis for assessing environmental conditions at the Site. The purpose of this BCP RI is to determine the nature and extent of on-site contamination, establish groundwater flow, qualitatively assess human health risk, and develop a remedy for the Site. The evaluation and development of a remedy for the Site is presented in a separate document.

During the course of this investigation, Pinto Construction Services cleared the Site including the removal/recycling of old equipment, and disposal of drums containing various liquids. The remedial investigation consisted of the sampling and analysis of soil through borings and test pits, and groundwater through permanent monitoring wells. Ten (10) test pit locations across unpaved, vegetated areas and twenty four (24) Geoprobe soil boring locations across paved areas were sampled as part of this BCP RI. Two rounds of groundwater samples were collected from eight (8) newly installed monitoring wells across the Site.

All soil samples were analyzed for SVOCs and metals, and selected samples were analyzed for the full list of parameters, including VOCs, PCBs, pesticides, total cyanides, TCLP lead, and appropriate landfill parameters. All groundwater samples were analyzed for VOCs, SVOCs, PCBs, pesticides, metals and total cyanides. Groundwater levels were also measured on three occasions and contour plots were developed.

The Site consists of industrial type fill that was used to elevate the ground surface to its present grade in and around the Site. The fill includes randomly deposited heterogeneous materials, construction debris (bricks, concrete and wood), junk (rubbish, glass and paper), oil soaked materials and sludge. The fill is underlain by various types of natural soils (clay, silt, sand and gravel). The thickness of the fill material ranges from three along the southeastern boundary to fourteen feet along the northern boundary.

The highest levels of soil contamination exceeding SCOs for restricted commercial and industrial use were found in vegetated areas along the northern property boundary and the eastern section. Elevated levels were also found in the old UST area just northeast of the warehouse foundation. Relatively lower levels of contamination were found in the paved areas surrounding the old warehouse foundation, and even lower along the southeastern property boundary

Volatile organics, pesticides and cyanide were found only at trace levels and are therefore not of significance at this site. Groundwater does not appear to be adversely impacted at the site. Filtered groundwater samples from the first round and unfiltered samples from the second round were found to have only trace levels of semivolatile organics and metals typical of the area. These findings indicate that the site contaminants are not readily leaching from the fill materials into the groundwater.

Of greater significance for this Site is soil contamination with several semi-volatile compounds, PCBs and a few metals, which are typically associated with the industrial type fill material making up the top layer. Among the metals, lead is of primary concern because of potential exceedance of the TCLP limit at high concentrations.

Semivolatile organics are present at a wide range of concentrations (132 to 1,031 mg/Kg) in the fill layer. Most SVOC exceedances of the Part 375 SCOs occur mostly in subsurface soils in the northern unpaved areas, with a hot spot area of SVOC contamination in the northwest portion of the site. A small hot spot area was

also found in the paved area northeast of the old building foundation that was the location of petroleum USTs.

PCBs, with totals ranging from 0.077 to 59 mg/Kg, were found mostly in surficial soils. Exceedances of the SCOs for PCBs occurred only in the northwest unpaved area of the site, including a hot-spot location with the highest PCB contamination.

The distribution of metals in the soil is typical of the nature of the fill material. Arsenic, barium, copper, zinc and mercury represent metals with exceedances of the Part 375 SCOs for restricted commercial use, while only arsenic, lead, zinc and mercury exceeded the industrial use SCOs. The data indicates that lead is not readily leachable from the fill material, and that only soil containing around 5,000 mg/Kg total lead has the likelihood of exceeding its TCLP limit of 5 mg/L.

The qualitative human health risk assessment identified dermal contact, ingestion and inhalation as the pathways for human exposure to contaminated soil at the Site under current/future conditions. Human exposure to the soil contaminants is limited because a relatively large area of the site is paved, site access is restricted by security fencing, and the unpaved areas are mostly vegetated.

15.0 References

a. DER-10 Technical Guidance for Site Investigations and Remediation, NYSDEC, 2010.

b. Phase I Environmental Site Assessment, 132 Dingens St. Site, Acres International, 1997.

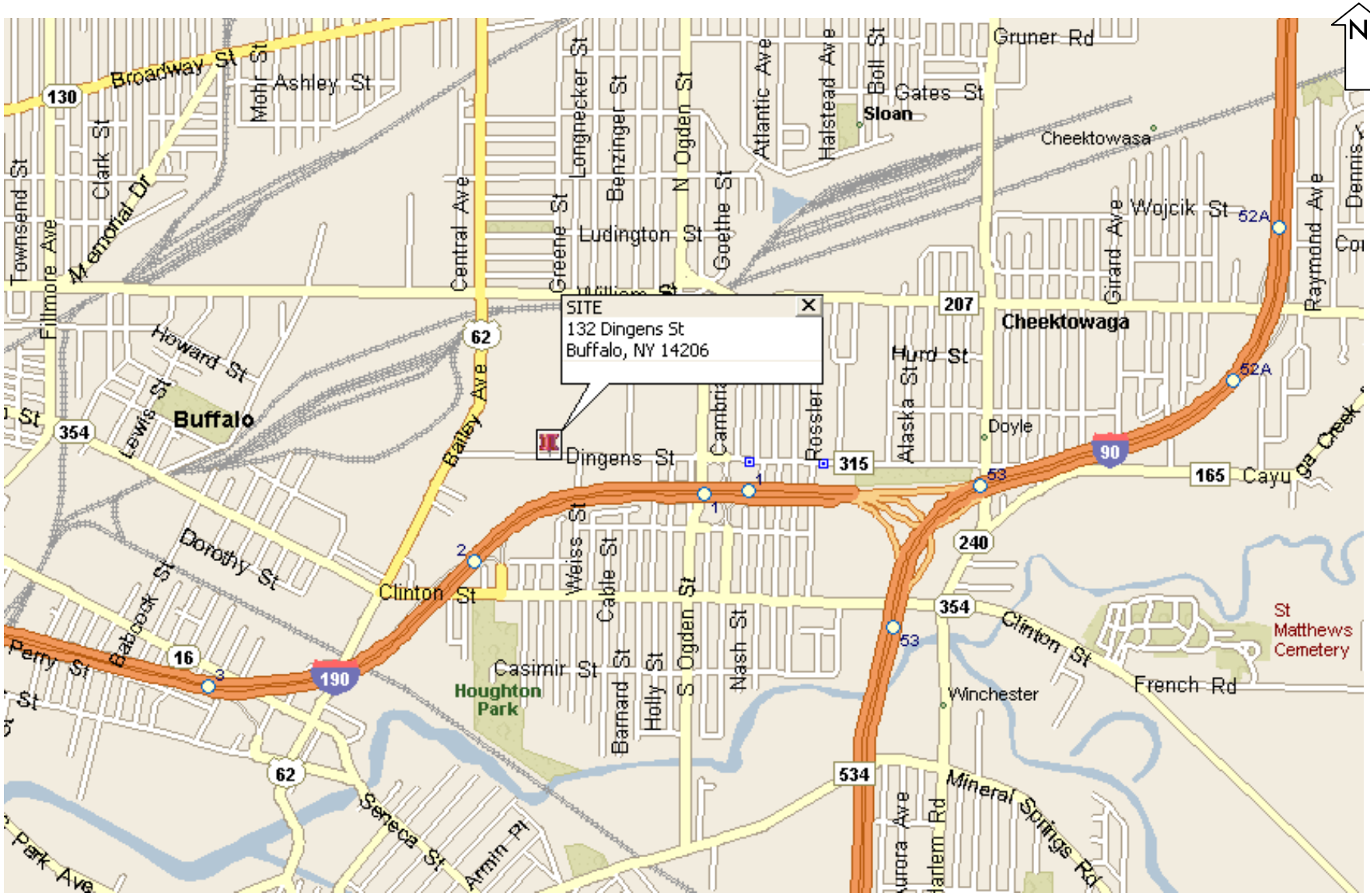
c. Phase I Environmental Site Assessment, 132 Dingens St. Site, Kay Ver Group, 2004.

d. Phase II Environmental Site Assessment, 132 Dingens St. Site, Baron Associates, 2004.

e. Supplemental Phase II Environmental Site Assessment, 132 Dingens St. Site, Iyer Environmental Group, 2012.

f. Geotechnical/Geohydrological Considerations for the New Buffalo Industrial Park, prepared for Olson & Terzini, PC by Goldberg-Zoino Associates of NY, PC, January 1984.

FIGURES



132 DINGENS STREET SITE, BUFFALO, NY
SITE LOCATION MAP

FIGURE 1

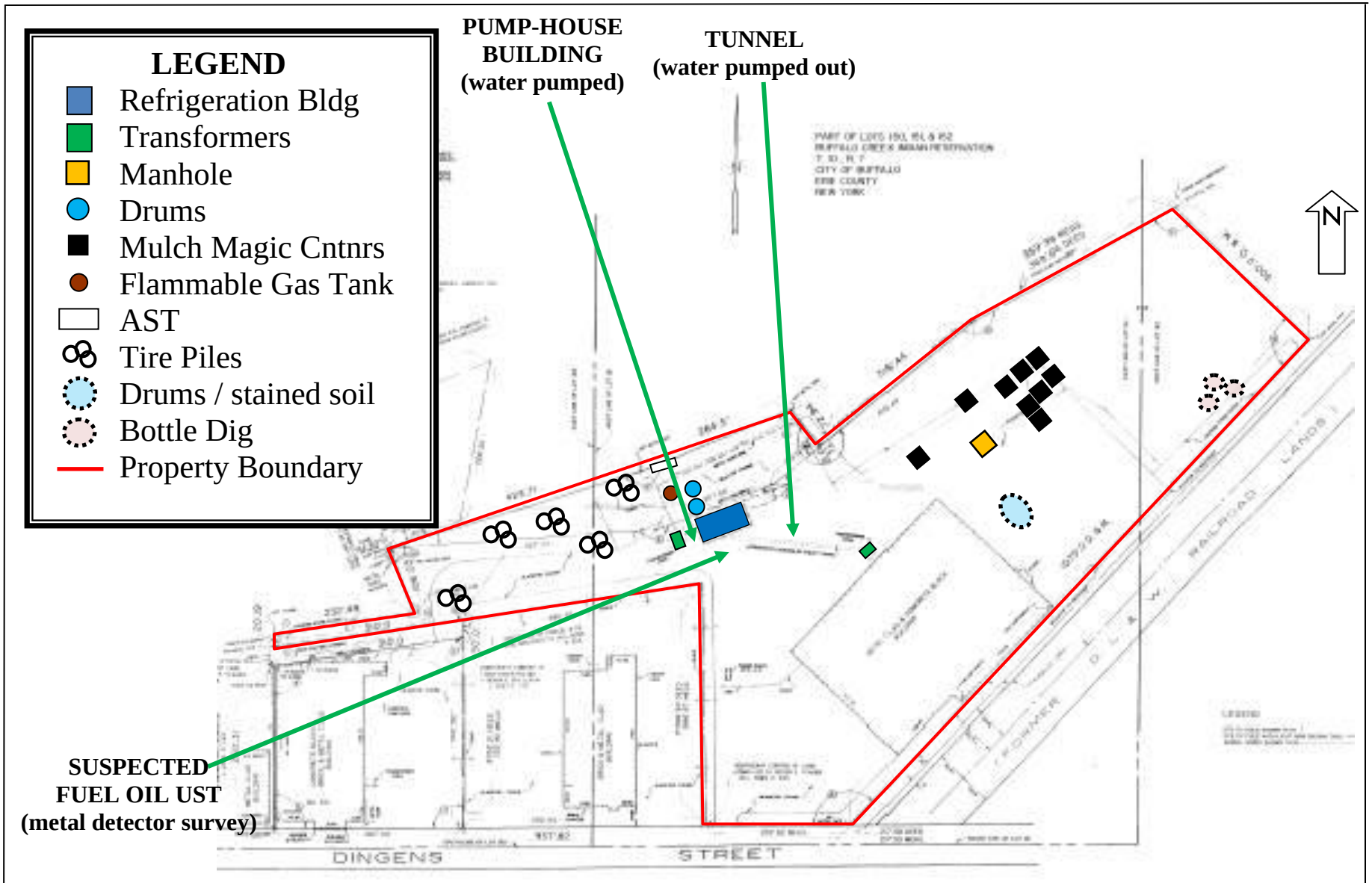
IEG

132 DINGENS STREET SITE, BUFFALO, NY

AERIAL PHOTO WITH PROPERTY BOUNDARY

FIGURE 2

IEG

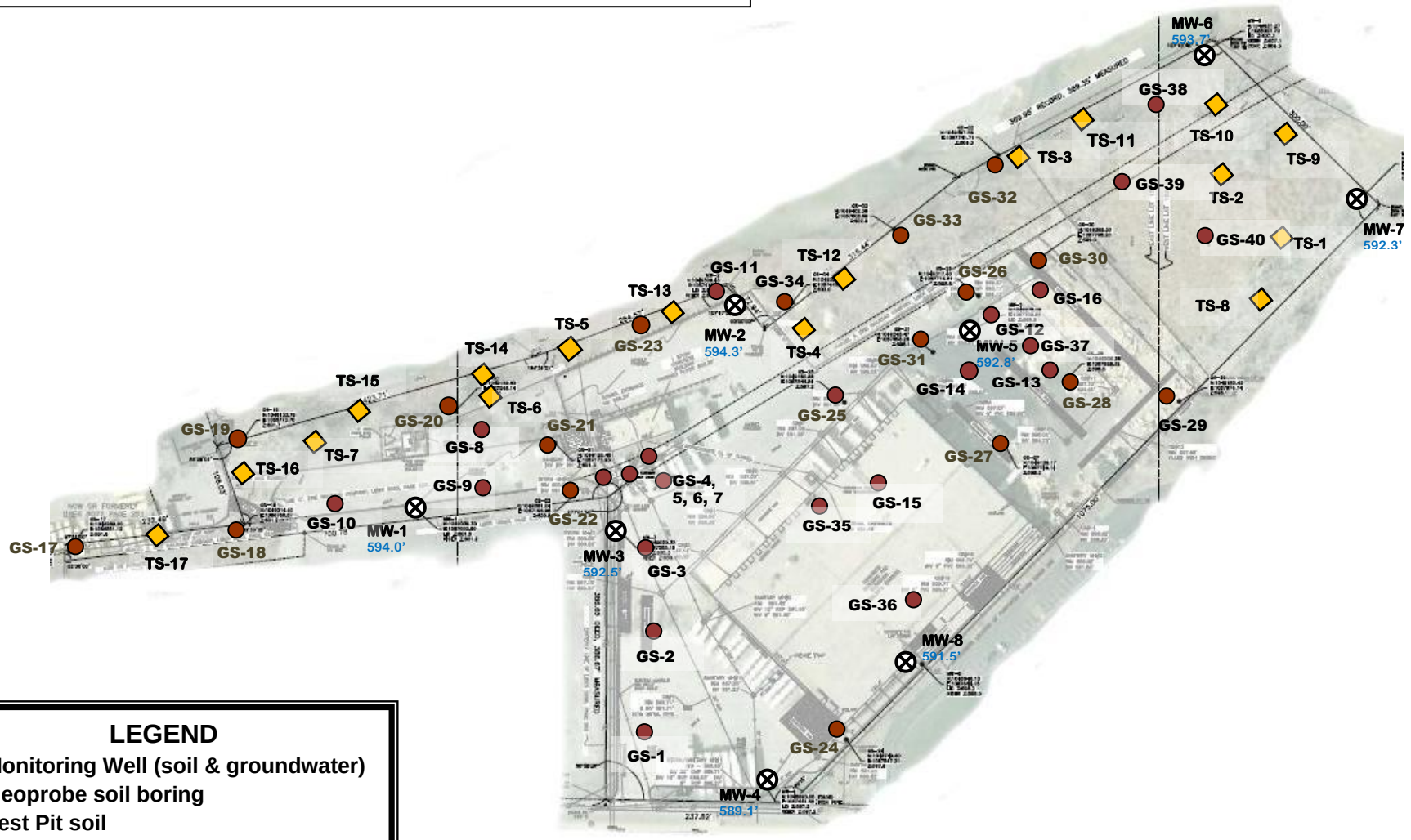


132 DINGENS STREET, BUFFALO, NY
INITIAL SITE RECONNAISSANCE FOR RECs

FIGURE 3

IEG

NOTE:
Phase II Site Investigation (2011): Samples GS-1 to 16, and TS-1 to 7
BCP Remedial Investigation (2012-13): Samples MW-1 to 8; GS-17 to 40; and TS-8 to 17



LEGEND
- ⊗ Monitoring Well (soil & groundwater)
- ● Geoprobe soil boring
- ◆ Test Pit soil

132 DINGENS STREET, BUFFALO, NY
SAMPLE LOCATIONS

FIGURE 4

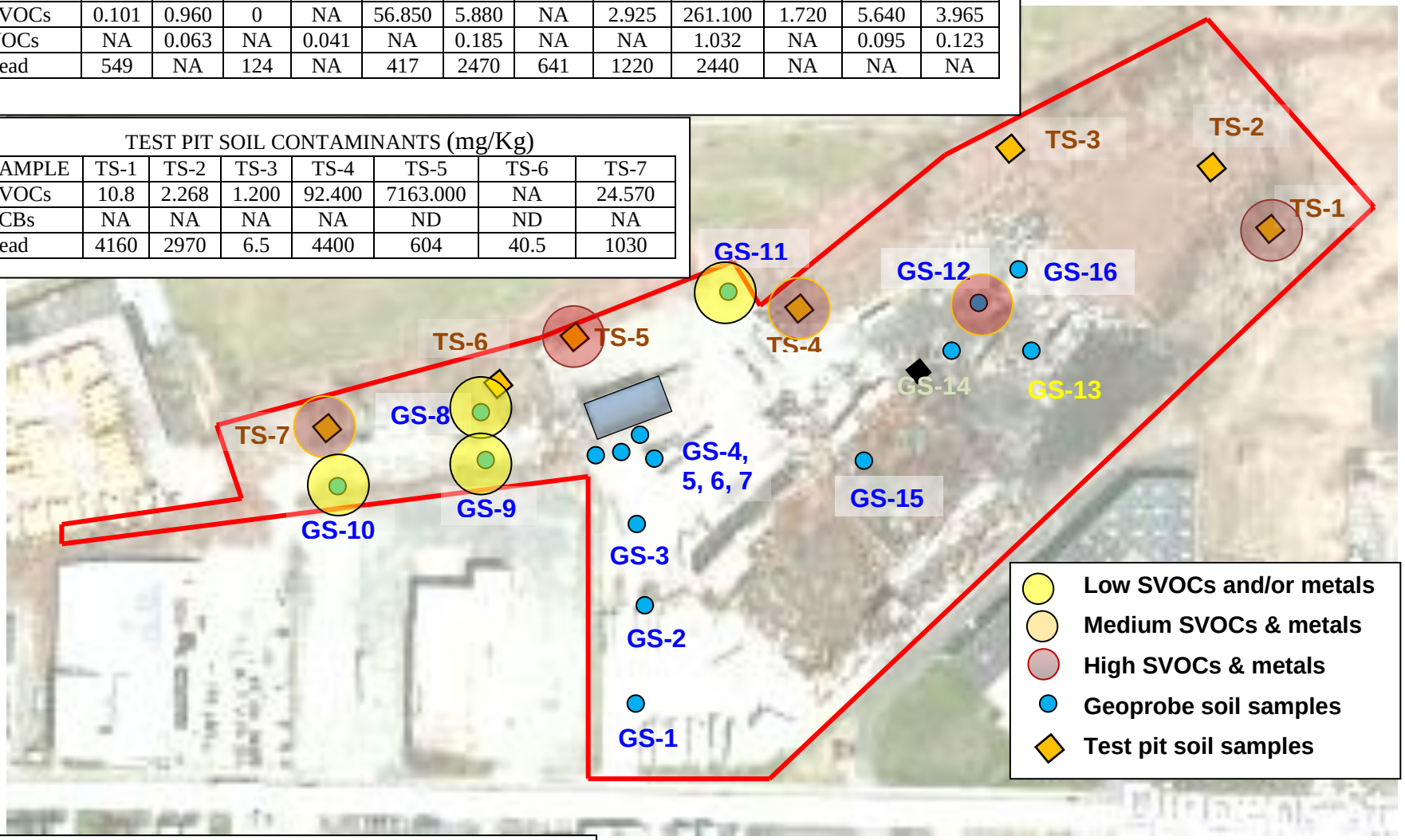
IEG

GEOPROBE SOIL CONTAMINANTS (mg/Kg)

SAMPLE	GS-1	GS-2	GS-3	GS-7	GS-8	GS-9	GS-10	GS-11	GS-12	GS-13	GS-14	GS-16
SVOCs	0.101	0.960	0	NA	56.850	5.880	NA	2.925	261.100	1.720	5.640	3.965
VOCs	NA	0.063	NA	0.041	NA	0.185	NA	NA	1.032	NA	0.095	0.123
Lead	549	NA	124	NA	417	2470	641	1220	2440	NA	NA	NA

TEST PIT SOIL CONTAMINANTS (mg/Kg)

SAMPLE	TS-1	TS-2	TS-3	TS-4	TS-5	TS-6	TS-7
SVOCs	10.8	2.268	1.200	92.400	7163.000	NA	24.570
PCBs	NA	NA	NA	NA	ND	ND	NA
Lead	4160	2970	6.5	4400	604	40.5	1030

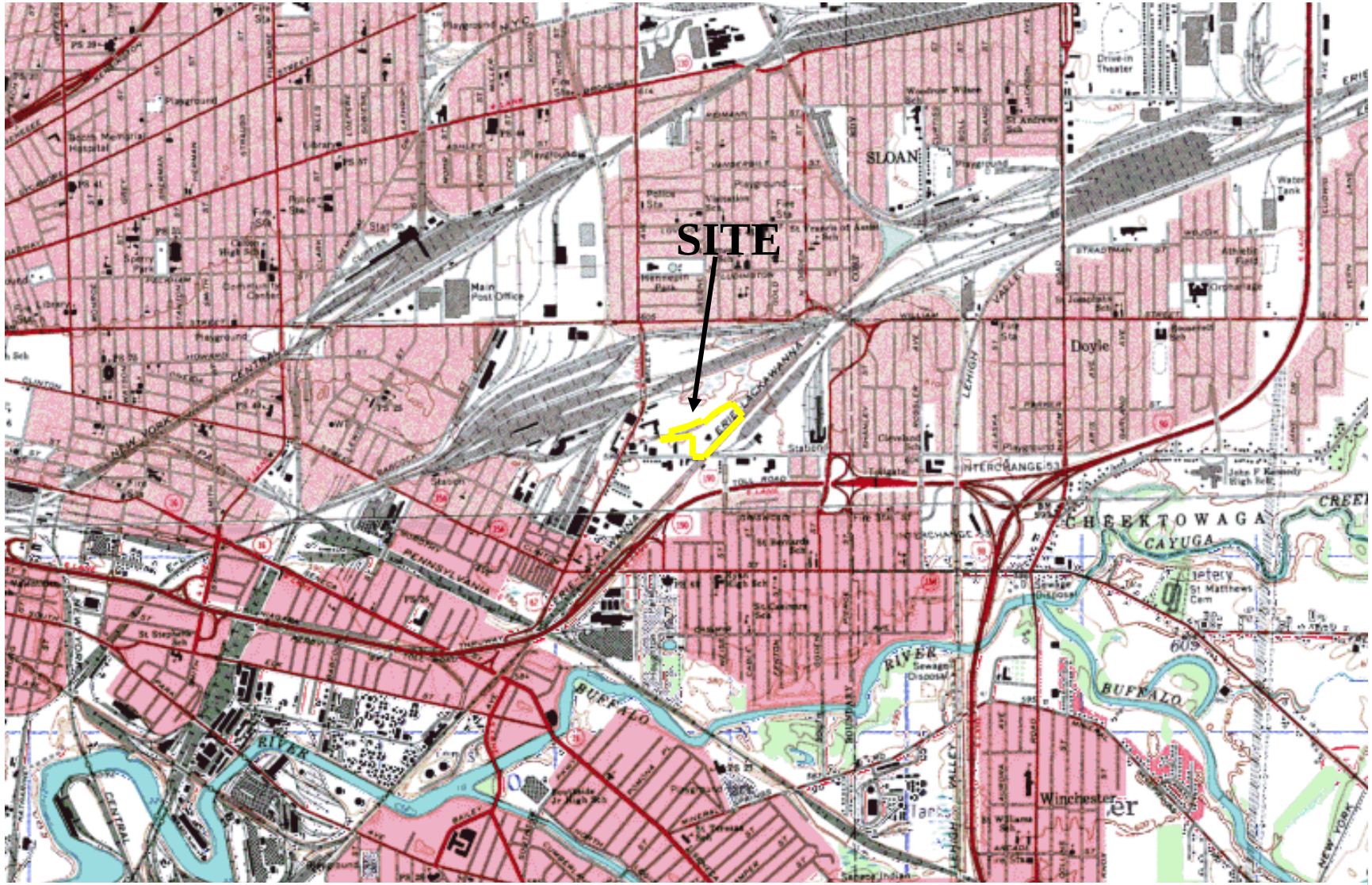


SOURCE: PHASE II ESA REPORT, JANUARY 2012

132 DINGENS STREET, BUFFALO, NY
SOIL ANALYTICAL RESULTS – 2011 PHASE II INVESTIGATION

FIGURE 5

IEG

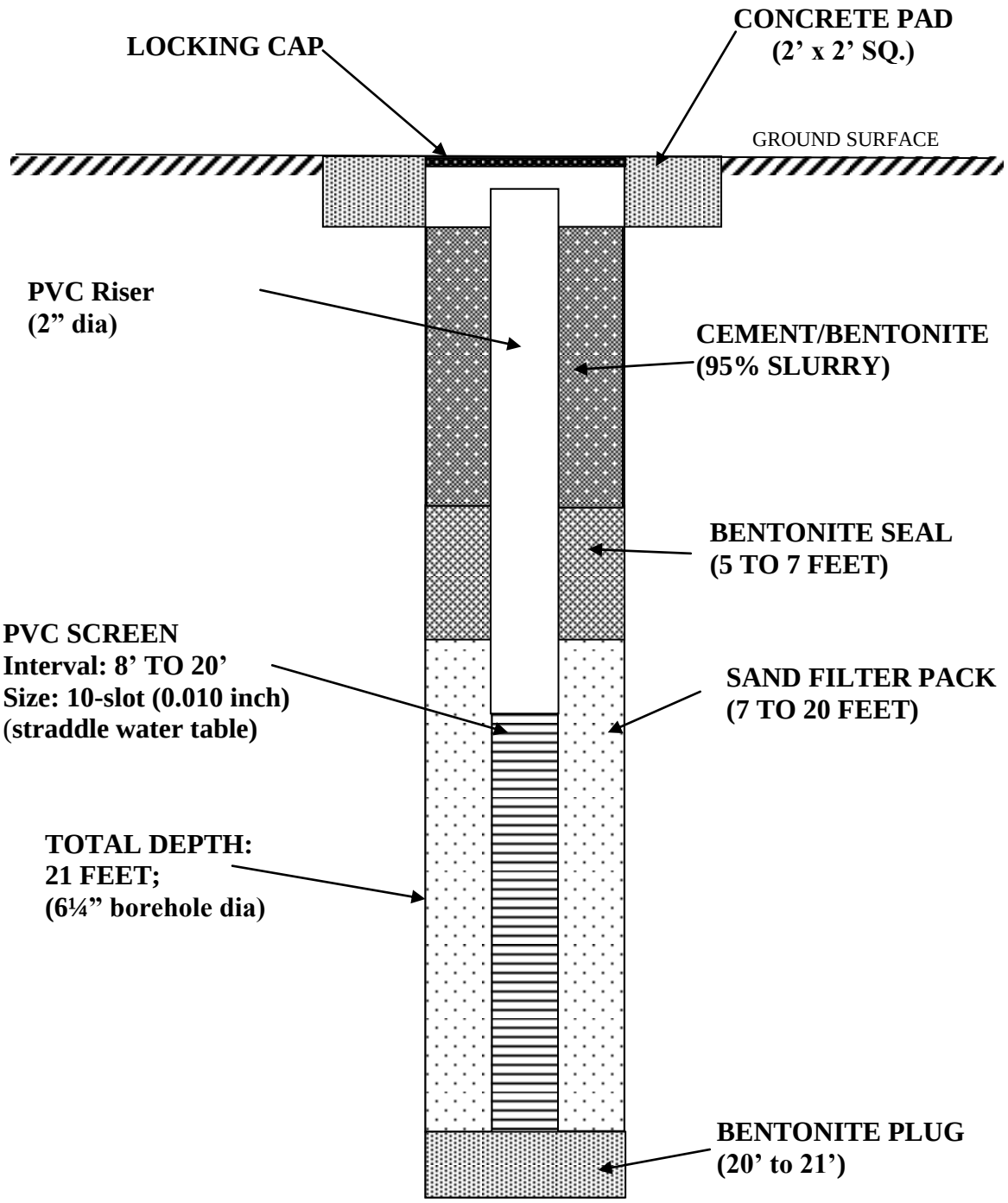


Source: Buffalo, New York; Scale: 1:100000; Year 1983

132 DINGENS STREET, BUFFALO, NY
TOPOGRAPHIC MAP

FIGURE 6

IEG



NOTES: 1. Drawing not to scale
2. Figure shown for wells in paved area – flush-mount at grade;
Wells in wooded area will included a 4" dia stick-up casing 3 feet above ground.
3. Final depth will depend on refusal and will be field confirmed

132 DINGENS STREET SITE – BCP RI/IRM
MONITORING WELL DETAILS (OVERBURDEN)

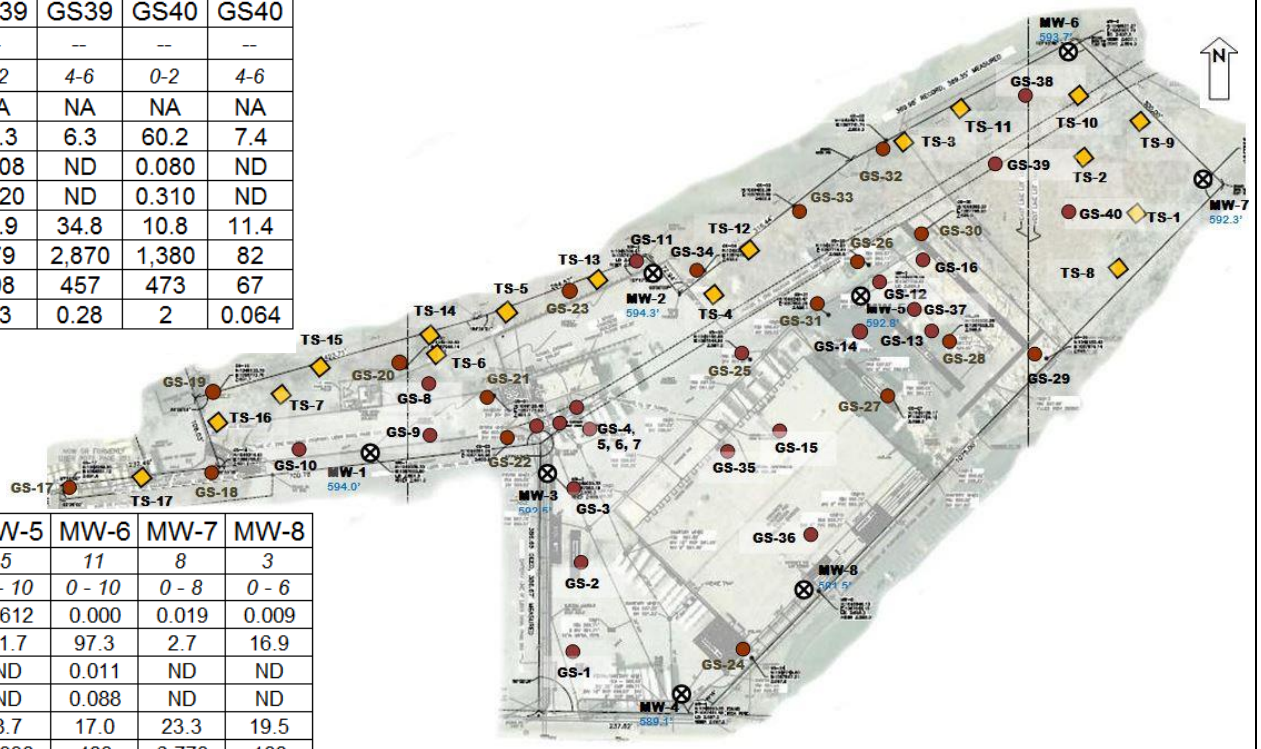
FIGURE 7

IEG

SAMPLE	GS17	GS18	GS19	GS20	GS21	GS22	GS23	GS24	GS25	GS26	GS27	GS28	GS29	GS30	GS31	GS32	GS33	GS34
DEPTH - VOCs	*8*	*8*	*6*	*8*	*7*	*7*	*10*	*7*	*10*	*5*	*6*	*9*	*8*	*7*	*7*	*11*	*8*	*8*
DEPTH - others	*0 - 5*	*0 - 5*	*0 - 5*	*4 - 8*	*0 - 4*	*2 - 6*	*4 - 8*	*1 - 5*	*1 - 5*	*1 - 5*	*1 - 5*	*1 - 5*	*1 - 5*	*2 - 6*	*1 - 5*	*1 - 5*	*1 - 5*	*1 - 5*
TOTAL VOCs	0.040	0.000	0.017	0.023	0.252	0.015	ND	0.498	0.091	0.019	0.294	0.030	0.022	0.644	0.124	0.170	0.070	ND
TOTAL SVOCs	12.0	62.6	29.1	27.0	17.6	24.6	14.7	9.8	6.5	0.1	8.5	1.8	15.2	1.3	6.9	231.1	94.5	21.5
TOTAL PEST	0.156	0.156	0.162	ND	0.041	0.008	0.011	0.052	ND	0.021	0.010	ND	0.009	ND	ND	0.021	0.119	0.009
TOTAL PCBs	5.610	0.717	5.420	ND	ND	ND	ND	ND	ND	0.190	ND	0.140	ND	ND	ND	ND	ND	ND
Arsenic	12.3	43.1	14.5	21.8	15.9	34.8	10.8	11.4	6.7	2.3	10.0	27.8	2.8	12.2	9.7	19.0	21.1	37.2
Lead	1,080	165	1,760	9,790	979	2,870	1,380	82	229	93	433	2,370	25	6,880	1,320	3,150	2,640	1,040
Zinc	737	498	1,160	1,830	598	457	473	67	144	44	1,320	14,400	46	780	605	2,630	1,770	4,400
Mercury	0.85	0.087	0.57	0.72	8.3	0.28	2	0.064	0.045	0.02	1.1	3.6	0.063	0.37	1.3	0.37	0.44	0.54

SAMPLE	GS35	GS36	GS37	GS38	GS39	GS39	GS40	GS40
DEPTH - VOCs	*5*	--	--	--	--	--	--	--
DEPTH - others	*6-8*	*9-10*	*4-6*	*4-6*	*0-2*	*4-6*	*0-2*	*4-6*
TOTAL VOCs	ND	NA	NA	NA	NA	NA	NA	NA
TOTAL SVOCs	13.9	4.5	4.1	91.2	16.3	6.3	60.2	7.4
TOTAL PEST	ND	ND	ND	ND	0.108	ND	0.080	ND
TOTAL PCBs	ND	ND	ND	ND	0.120	ND	0.310	ND
Arsenic	12.3	43.1	14.5	21.8	15.9	34.8	10.8	11.4
Lead	1,080	165	1,760	9,790	979	2,870	1,380	82
Zinc	737	498	1,160	1,830	598	457	473	67
Mercury	0.85	0.087	0.57	0.72	8.3	0.28	2	0.064

All concentrations are in mg/Kg; sample depth in ft bgs



SAMPLE	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
DEPTH - VOCs	*7*	*6*	*9*	*3*	*5*	*11*	*8*	*3*
DEPTH - others	*0 - 8*	*0 - 8*	*0 - 8*	*0 - 6*	*0 - 10*	*0 - 10*	*0 - 8*	*0 - 6*
TOTAL VOCs	0.001	0.050	0.024	0.093	0.612	0.000	0.019	0.009
TOTAL SVOCs	19.3	148.3	17.5	0.3	11.7	97.3	2.7	16.9
TOTAL PEST	0.020	0.016	ND	ND	ND	0.011	ND	ND
TOTAL PCBs	ND	ND	ND	ND	ND	0.088	ND	ND
Arsenic	7.8	128.0	14.4	11.0	8.7	17.0	23.3	19.5
Lead	126	1,580	1,170	19	1,330	480	6,770	180
Zinc	158	490	790	69	946	375	22,900	251
Mercury	1.60	7.00	0.80	ND	0.65	0.44	0.12	0.26

132 DINGENS STREET SITE, BUFFALO, NY
ANALYTICAL RESULTS – RI SOIL BORING SAMPLES

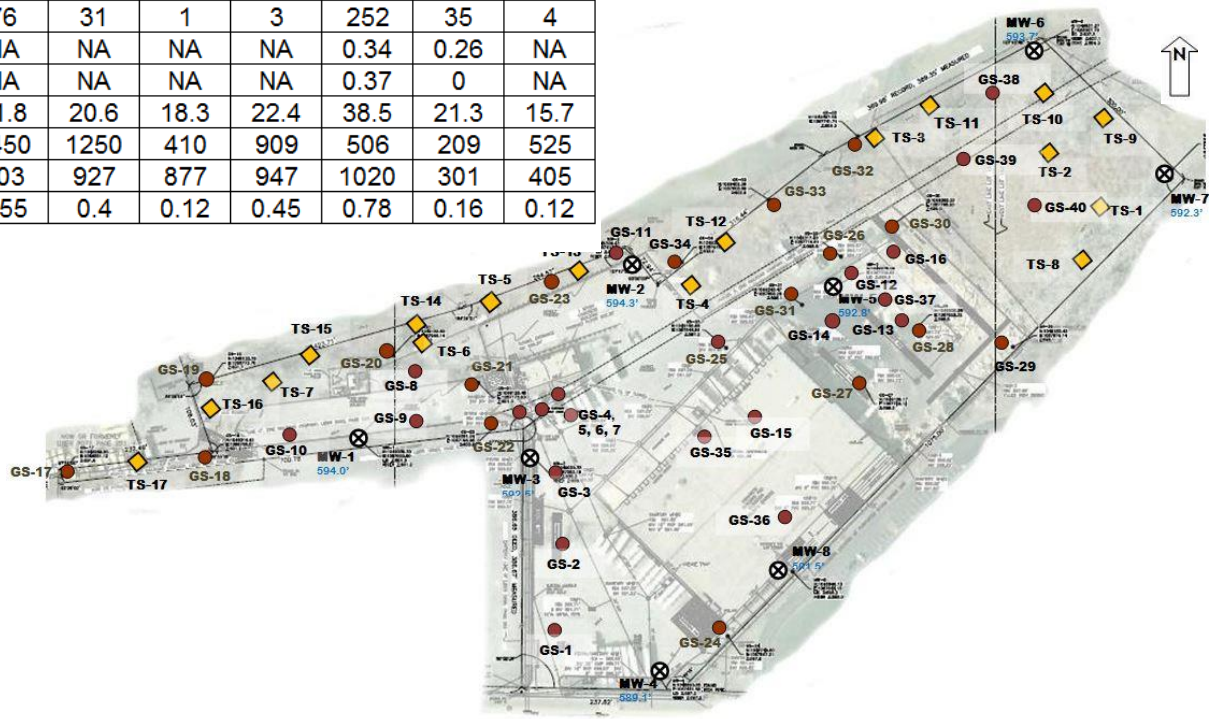
FIGURE 8A

IEG

SAMPLE	TS#8	TS#8	TS#8	TS#9	TS#9	TS#10	TS#10	TS#10	TS#11	TS#11	TS#11	TS#12	TS#12	TS#12	TS#13	TS#13	TS#13
DEPTH - VOCs	--	*7*	--	--	--	--	--	--	--	*1 - 4*	--	--	--	--	--	--	--
DEPTH - others	*0*	*2*	*6 - 7*	*0*	*2 - 8*	*0*	*2 - 4*	*4 - 7*	*0*	*1 - 4*	*5 - 8*	*0*	*0 - 2*	*2 - 8*	*0*	*0 - 2*	*2 - 8*
TOTAL VOCs	NA	0.002	NA	NA	NA	NA	NA	NA	NA	2.5	NA	NA	NA	NA	NA	NA	NA
TOTAL SVOCs	36	44	2.7	25	4	66	5	1	372	19	20	121	88	1	58	350	11
TOTAL PEST	0.03	0.000	NA	0.08	0.03	0.17	NA	NA	0.33	0.47	0.16	0.07	0.09	0.01	0.11	0.09	0.03
TOTAL PCBs	0	0.28	NA	0	0	0.08	NA	NA	0	0.25	0.71	0	0	0	0	0	0
Arsenic	13.4	22.8	11.4	6.3	43.6	23.1	18.2	11.6	17.8	11.8	6.6	13.5	18.9	18	23.7	167	274
Lead	1010	2760	241	133	93500	1430	262	29.5	332	307	414	515	1630	1530	1120	1600	706
Zinc	1610	1820	672	187	1120	14300	201	26.2	1230	426	279 B	593	834	1710	740	1280	2870
Mercury	1.6	0.6	0.16	0.094	0.25	0.91	0.06	0.014 J	0.22	0.51	0.15	0.38	0.7	0.34	0.91	5.8	0.46

SAMPLE	TS#14	TS#14	TS#14	TS#15	TS#15	TS#15	TS#16	TS#16	TS#17	TS#17	TS#17
DEPTH - VOCs	--	--	--	--	--	--	--	--	--	--	--
DEPTH - others	*0*	*0 - 2*	*4 - 8*	*0*	*1 - 4*	*4 - 8*	*3 - 4*	*5 - 6*	*0*	*0 - 2*	*6 - 7*
TOTAL VOCs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SVOCs	72	48	107	1,032	76	31	1	3	252	35	4
TOTAL PEST	0.10	NA	NA	0.89	NA	NA	NA	NA	0.34	0.26	NA
TOTAL PCBs	0.20	NA	NA	59	NA	NA	NA	NA	0.37	0	NA
Arsenic	12.1	16.1	15.2	11.3	21.8	20.6	18.3	22.4	38.5	21.3	15.7
Lead	821	1120	1260	796	5450	1250	410	909	506	209	525
Zinc	559	617	610	1330	903	927	877	947	1020	301	405
Mercury	0.46	1.1	1.4	0.38	0.55	0.4	0.12	0.45	0.78	0.16	0.12

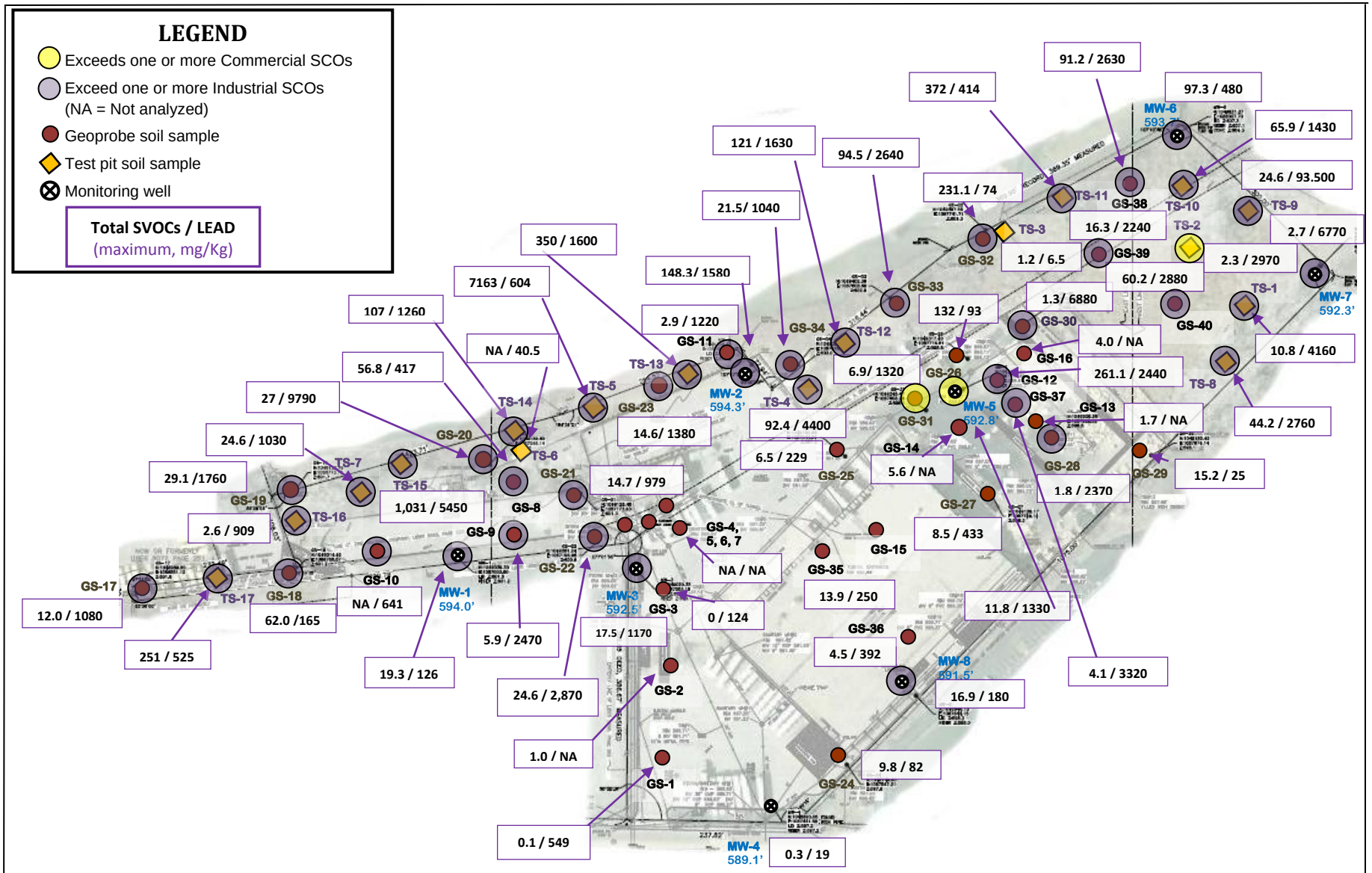
All concentrations are in mg/Kg; sample depth in ft bgs



132 DINGENS STREET SITE, BUFFALO, NY
ANALYTICAL RESULTS – RI TEST PIT SOIL SAMPLES

FIGURE 8B

IEG



132 DINGENS STREET, BUFFALO, NY
ALL SOIL SAMPLES - TOTAL SVOCs/LEAD

FIGURE 9

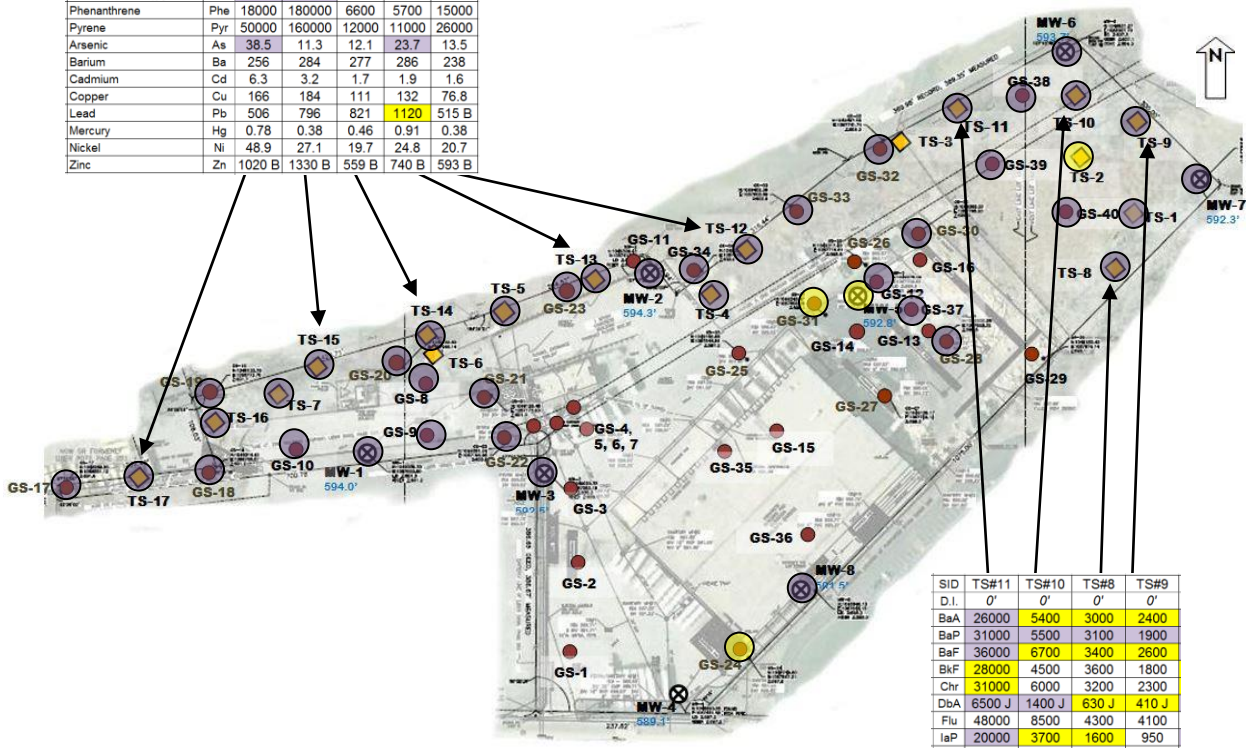
IEG

SAMPLE ID	SID	TS#17	TS#15	TS#14	TS#13	TS#12
DEPTH INTERVAL (ft)	D.I.	0'	0'	0'	0'	0'
Benzo(a)anthracene	BaA	20000	72000	6200	4600	9600
Benzo(a)pyrene	BaP	19000	56000	5900	4600	8000
Benzo(b)fluoranthene	BaF	28000	46000	6700	5700	9000
Benzo(k)fluoranthene	BkF	21000	55000	5300	3800	7700
Chrysene	Chr	28000	69000	6700	4900	9600
Dibenz(a,h)anthracene	DbA	2200 J	12000 J	1500 J	1000 J	1600 J
Fluoranthene	Flu	34000	150000	8400	7400	15000
Indeno(1,2,3-cd)pyrene	IaP	13000	27000	4100	2700	4600
Phenanthrene	Phe	18000	180000	6600	5700	15000
Pyrene	Pyr	50000	160000	12000	11000	26000
Arsenic	As	38.5	11.3	12.1	23.7	13.5
Barium	Ba	256	284	277	286	238
Cadmium	Cd	6.3	3.2	1.7	1.9	1.6
Copper	Cu	166	184	111	132	76.8
Lead	Pb	506	796	821	1120	515 B
Mercury	Hg	0.78	0.38	0.46	0.91	0.38
Nickel	Ni	48.9	27.1	19.7	24.8	20.7
Zinc	Zn	1020 B	1330 B	559 B	740 B	593 B

LEGEND

- Exceed Commercial SCOs
- Exceed Industrial SCOs
- Geoprobe soil sample
- Test pit soil sample
- Monitoring well

SVOCs in µg/Kg; metals in mg/Kg



SID	TS#11	TS#10	TS#8	TS#9
D.I.	0'	0'	0'	0'
BaA	26000	5400	3000	2400
BaP	31000	5500	3100	1900
BaF	36000	6700	3400	2600
BkF	28000	4500	3600	1800
Chr	31000	6000	3200	2300
DbA	6500 J	1400 J	630 J	410 J
Flu	48000	8500	4300	4100
IaP	20000	3700	1600	950
Phe	30000	5000	3200	880
Pyr	74000	11000	6500	5800
As	17.8	23.1	13.4	6.3
Ba	165	1290	453	113
Cd	1.9	3.6	1.9	0.45
Cu	304	139	123	147
Pb	332	1430	1010	133
Hg	0.22	0.91	1.6	0.094
Ni	27.5	20.6	23.6	17.1
Zn	1230 B	14300 B	1610 B	187 B

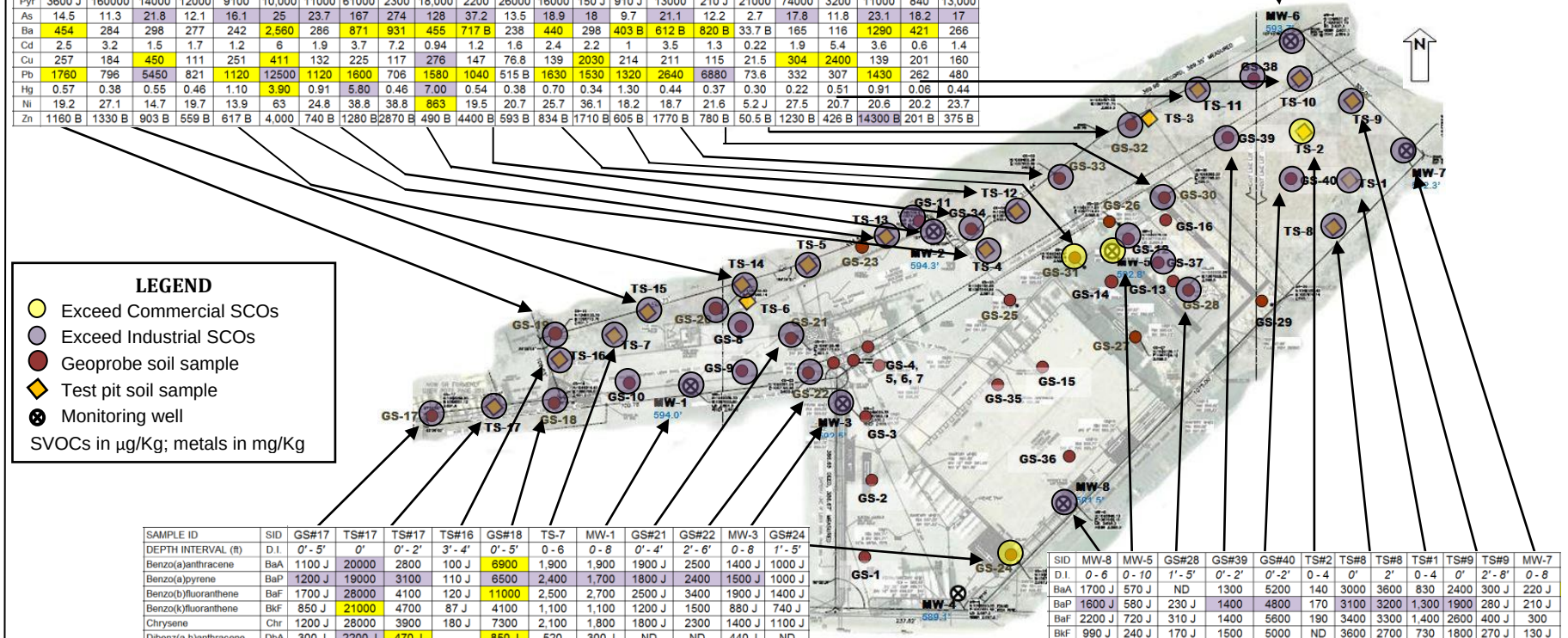
132 DINGENS STREET SITE, BUFFALO, NY

SURFACE SOIL SAMPLES - SVOCs/METALS EXCEEDING SCOs

FIGURE 10A

IEG

SID	GS#19	TS#15	TS#15	TS#14	TS#14	TS#4	TS#13	TS#13	TS#13	MW-2	GS#34	TS#12	TS#12	TS#12	GS#31	GS#33	GS#30	GS#32	TS#11	TS#11	TS#10	TS#10	MW-6
D.I.	0' - 5'	0'	1' - 4'	0'	0' - 2'	0 - 4	0'	0' - 2'	2 - 8	0 - 8	1' - 5'	0'	0' - 2'	2 - 8	1' - 5'	1' - 5'	2' - 6'	1' - 5'	0'	1' - 4'	0'	2' - 4'	0 - 10
BaA	2300 J	72000	5700	6200	3400 J	7,800	4600	28000	630 J	13,000	1800 J	9600	6900	80 J	720 J	8400	ND	17000	26000	1500	5400	470 J	8,400
BaP	2400 J	56000	4600	5900	3100 J	8,300	4600	20000	750 J	11,000	2400	8000	5900	81 J	730 J	8000	150 J	17000	31000	1500	5500	400 J	7,200
BaF	3200 J	46000	5800	6700	3700 J	9,600	5700	23000	930	15,000	3300	9000	5800	120 J	970 J	12000	250 J	24000	36000	2000	6700	620	9,300
BkF	1400 J	55000	3900	5300	2800 J	5,300	3800	21000	870	4,900	1700 J	7700	5300	92 J	450 J	4400	160 J	12000	28000	1200	4500	570	3,700
Chr	2400 J	69000	5400	6700	3700 J	7,200	4900	33000	1000	11,000	2100	9600	6700	100	630 J	7500	190 J	15000	31000	1500	6000	690	7,300
DbA	ND	12000 J	1000 J	1500 J	770 J	ND	1000 J	5400 J	210 J	620 J	400 J	1600 J	1100 J	30 J	ND	790 J	ND	1600 J	6500 J	550	1400 J	110 J	860 J
Flu	13000	150000	7500	8400	4500	10,000	7400	47000	1300	23,000	17000	15000	11000	74 J	210 J	1200 J	360 J	1200 J	48000	2100	8500	430 J	18,000
IaP	780 J	27000	2800	4100	2100 J	ND	2700	12000	580 J	5,600	1100 J	4600	3100	81 J	230 J	2100	ND	5100	20000	1100	3700	210 J	3,300
Phe	4200	180000	12000	6600	7200	9,200	5700	52000	1400	21,000	1600 J	15000	13000	56 J	680 J	11000	160 J	36000	30000	1800	5000	350 J	14,000
Pyr	3600 J	160000	14000	12000	9100	10,000	11000	61000	2300	18,000	2200	26000	16000	150 J	910 J	13000	210 J	21000	74000	3200	11000	840	13,000
As	14.5	11.3	21.8	12.1	16.1	25	23.7	167	274	128	37.2	13.5	18.9	18	9.7	21.1	12.2	2.7	17.8	11.8	23.1	18.2	17
Ba	454	284	298	277	242	2,560	286	871	931	455	717 B	238	440	298	403 B	612 B	820 B	33.7 B	165	116	1290	421	266
Cd	2.5	3.2	1.5	1.7	1.2	6	1.9	3.7	7.2	0.94	1.2	1.6	2.4	2.2	1	3.5	1.3	0.22	1.9	5.4	3.6	0.6	1.4
Cu	257	184	450	111	251	411	132	225	117	276	147	76.8	139	2030	214	211	115	21.5	304	2400	139	201	160
Pb	1760	796	5450	821	1120	12500	1120	1600	706	1580	1040	515 B	1630	1530	1320	2640	6880	73.6	332	307	1430	262	480
Hg	0.57	0.38	0.55	0.46	1.10	3.90	0.91	5.80	0.46	7.00	0.54	0.38	0.70	0.34	1.30	0.44	0.37	0.30	0.22	0.51	0.91	0.06	0.44
Ni	19.2	27.1	14.7	19.7	13.9	63	24.8	38.8	38.8	863	19.5	20.7	25.7	36.1	18.2	18.7	21.6	5.2 J	27.5	20.7	20.6	20.2	23.7
Zn	1160 B	1330 B	903 B	559 B	617 B	4,000	740 B	1280 B	2870 B	490 B	4400 B	593 B	834 B	1710 B	605 B	1770 B	780 B	50.5 B	1230 B	426 B	14300 B	201 B	375 B



SAMPLE ID	SID	GS#17	TS#17	TS#17	TS#16	GS#18	TS-7	MW-1	GS#21	GS#22	MW-3	GS#24
DEPTH INTERVAL (ft)	D.I.	0' - 5'	0'	0' - 2'	3' - 4'	0' - 5'	0 - 6	0 - 8	0' - 4'	2' - 6'	0 - 8	1' - 5'
Benzo(a)anthracene	BaA	1100 J	20000	2800	100 J	6900	1,900	1,900	1900 J	2500	1400 J	1000 J
Benzo(a)pyrene	BaP	1200 J	19000	3100	110 J	6500	2,400	1,700	1800 J	2400	1500 J	1000 J
Benzo(b)fluoranthene	BaF	1700 J	28000	4100	120 J	11000	2,500	2,700	2500 J	3400	1900 J	1400 J
Benzo(k)fluoranthene	BkF	850 J	21000	4700	87 J	4100	1,100	1,100	1200 J	1500	880 J	740 J
Chrysene	Chr	1200 J	28000	3900	180 J	7300	2,100	1,800	1800 J	2300	1400 J	1100 J
Dibenz(a,h)anthracene	DbA	300 J	2200 J	470 J		850 J	520	300 J	ND	ND	440 J	ND
Fluoranthene	Flu		34000	5600	84 J	2000 J	3,800	11000	5100	3600 J	2,800	2700 J
Indeno(1,2,3-cd)pyrene	IaP	690 J	13000	1500	57 J	2400 J	1,500	910 J	ND	770 J	860 J	ND
Phenanthrene	Phe	830 J	18000	1600	110 J	3800	3,100	1,100	2300 J	2000	1800 J	1000 J
Pyrene	Pyr	1600 J	50000	4100	180 J	9900	3,200	2,400	2500 J	3500	2,200	1600 J
Arsenic	As	12.3	38.5	21.3	18.3	43.1	20	7.8	15.9	34.8	14.4	11.4
Barium	Ba	205	256	219	307	91.7	1,500	69.3	511	379	418	116
Cadmium	Cd	7	6.3	1.7	1.5	1.1	3	0.3	1.7	0.77	1.7	0.20 J
Copper	Cu	341	166	71.8	173	143	124	51.7	102	90.3	148	32.1
Lead	Pb	1080	506	209	410	165	1,030	126	979	2870	1170	82
Mercury	Hg	0.85	0.78	0.16	0.12	0.06	2.30	1.60	8.30	0.28	0.80	0.06
Nickel	Ni	79.6	48.9	16.3	13.1	20.4	17	8.8	12.4	19.5	15.4	25.4
Zinc	Zn	737 B	1020 B	301 B	877 B	498 B	2,980	158 B	598 B	457 B	790	67.0 B

SID	MW-8	MW-5	GS#28	GS#39	GS#40	TS#2	TS#8	TS#8	TS#1	TS#9	TS#9	MW-7
D.I.	0 - 6	0 - 10	1' - 5'	0' - 2'	0' -2'	0 - 4	0'	2'	0 - 4	0'	2' - 8'	0 - 8
BaA	1700 J	570 J	ND	1300	5200	140	3000	3600	830	2400	300 J	220 J
BaP	1600 J	580 J	230 J	1400	4800	170	3100	3200	1,300	1900	280 J	210 J
BaF	2200 J	720 J	310 J	1400	5600	190	3400	3300	1,400	2600	400 J	300
BkF	990 J	240 J	170 J	1500	5000	ND	3600	2700	730	1800	270 J	130 J
Chr	1700 J	600 J	230 J	1600	5400	200	3200	3900	1,100	2300	340 J	210 J
DbA	440 J	99 J	ND	140 J	810 J	ND	630 J	730 J	ND	410 J	97 J	42 J
Flu	2900 J	1100 J	2000 J	15000	820	180	4300	5900	1,600	4100	490 J	330
IaP	730 J	250 J	ND	610	2100	ND	1600	1800	750	950	200 J	120 J
Phe	1200 J	1000 J	260 J	1400	5400	88	3200	4900	740	880	390 J	91 J
Pyr	2400 J	880 J	280 J	3000	9500	ND	6500	9200	1,500	5800	620 J	300
As	19.5	8.7	27.8	22	26.1	15	13.4	22.8	25	6.3	43.6	23.3
Ba	79.5 B	751	1800 B	669	1150	376	453	816	1,270	113	954	4530
Cd	0.48	2.7	9.5	3.4	8.4	1	1.9	3.4	2	0.45	3.6	4
Cu	189	90.2	110	197	171	106	123	263	382	147	1290	58.6
Pb	180	1330	2370	2240	2880	2,970	1010	2760	4,160	133	93500	6770
Hg	0.26	0.65	3.60	0.71	0.60	0.42	1.60	0.60	0.63	0.09	0.25	0.12
Ni	16.5	11.6	40.6	28.1	24.5	20	23.6	27.8	23	17.1	17.6	25.1
Zn	251 B	946 B	14400 B	975 B	13100 B	525	1610 B	1820 B	2,600	187 B	1120 B	22900 B

132 DINGENS STREET SITE, BUFFALO, NY

SOIL SAMPLES at 0' to 4' - SVOCs/METALS EXCEEDING SCOs

FIGURE 10B

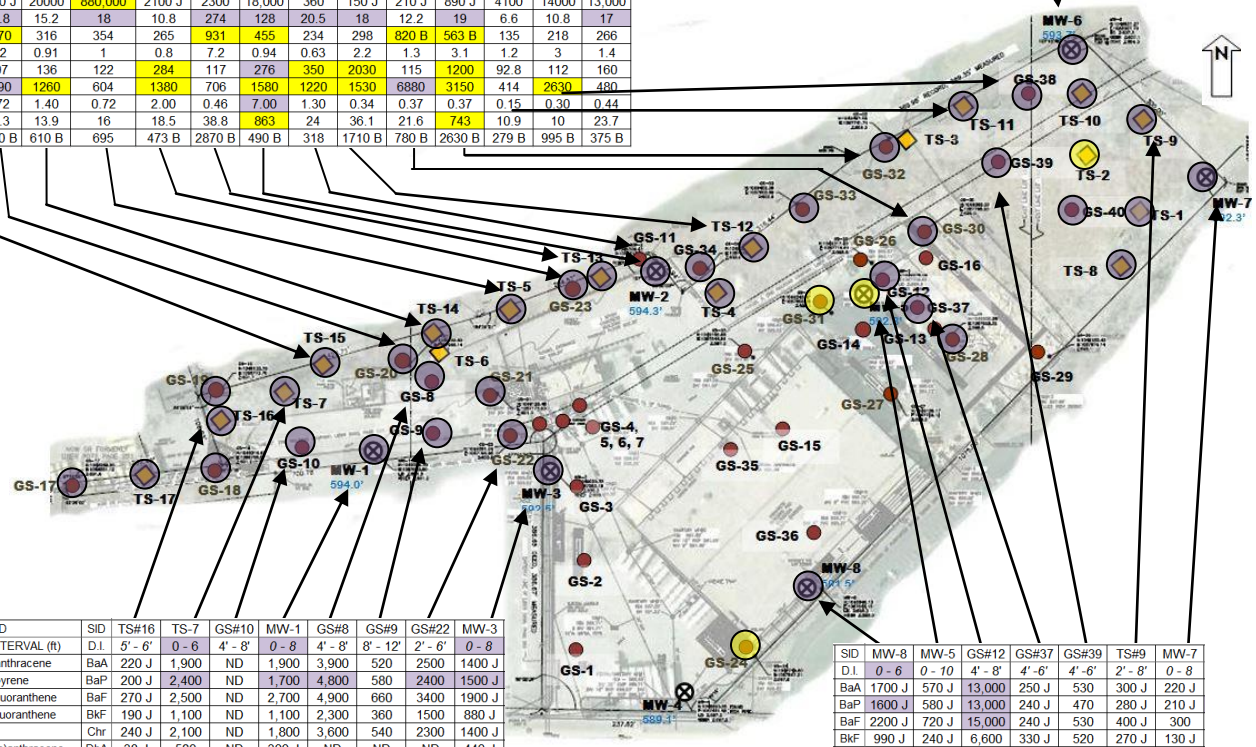
IEG

SID	TS#15	GS#20	TS#14	TS#5	GS#23	TS#13	MW-2	GS#11	TS#12	GS#30	GS#32	TS#11	GS#38	MW-6
D.I.	4' - 8'	4' - 8'	4' - 8'	4 - 8	4' - 8'	2 - 8	0 - 8	4' - 8'	2 - 8	2' - 6'	12'	5' - 8'	4' - 6'	0 - 10
BaA	2400	2600 J	8700	490,000	1300 J	630 J	13,000	240	80 J	ND	680 J	1500	5400	8,400
BaP	2200	2200 J	6200	550,000	1300 J	750 J	11,000	320	81 J	150 J	740 J	1700	4900	7,200
BaF	2800	3000 J	6900	600,000	1800 J	930	15,000	300	120 J	250 J	980 J	2400	4800	9,300
BkF	1800 J	1400 J	7100	240,000	740 J	870	4,900	140	92 J	160 J	490 J	1500	4800	3,700
Chr	2600	2300 J	8800	450,000	1400 J	1000	11,000	220	100	190 J	690 J	1800	5600	7,300
DbA	380 J	ND	1200 J	86,000	ND	210 J	620 J	58	30 J	ND	99 J	390 J	ND	860 J
Flu	3300	4800	17000	1,200,000	4600	1300	23,000	410	74 J	360 J	34000	1900	430 J	18,000
IaP	1300 J	750 J	3400 J	250,000	270 J	580 J	5,600	170	81 J	ND	220 J	1200	2100 J	3,300
Phe	4200	3800 J	17000	1,200,000	2300 J	1400	21,000	230	56 J	160 J	1000 J	1300	18000	14,000
Pyr	6300	3900 J	20000	880,000	2100 J	2300	18,000	360	150 J	210 J	890 J	4100	14000	13,000
As	20.6	21.8	15.2	18	10.8	274	128	20.5	18	12.2	19	6.6	10.8	17
Ba	238	2370	316	354	265	931	455	234	298	820 B	563 B	135	218	266
Cd	1.3	2.2	0.91	1	0.8	7.2	0.94	0.63	2.2	1.3	3.1	1.2	3	1.4
Cu	83.8	207	136	122	284	117	276	350	2030	115	1200	92.8	112	160
Pb	1250	9790	1260	604	1380	706	1580	1220	1530	6880	3150	414	2630	480
Hg	0.40	0.72	1.40	0.72	2.00	0.46	7.00	1.30	0.34	0.37	0.37	0.15	0.30	0.44
Ni	13.1	18.3	13.9	16	18.5	38.8	863	24	36.1	21.6	743	10.9	10	23.7
Zn	927 B	1830 B	610 B	695	473 B	2870 B	490 B	318	1710 B	780 B	2630 B	279 B	995 B	375 B

LEGEND

- Exceed Commercial SCOs
- Exceed Industrial SCOs
- Geoprobe soil sample
- Test pit soil sample
- Monitoring well

SVOCs in µg/Kg; metals in mg/Kg



SAMPLE ID	SID	TS#16	TS-7	GS#10	MW-1	GS#8	GS#9	GS#22	MW-3
DEPTH INTERVAL (ft)	D.I.	5' - 6'	0 - 6	4' - 8'	0 - 8	4' - 8'	8' - 12'	2' - 6'	0 - 8
Benzo(a)anthracene	BaA	220 J	1,900	ND	1,900	3,900	520	2500	1400 J
Benzo(a)pyrene	BaP	200 J	2,400	ND	1,700	4,800	580	2400	1500 J
Benzo(b)fluoranthene	BaF	270 J	2,500	ND	2,700	4,900	660	3400	1900 J
Benzo(k)fluoranthene	BkF	190 J	1,100	ND	1,100	2,300	360	1500	880 J
Chrysene	Chr	240 J	2,100	ND	1,800	3,600	540	2300	1400 J
Dibenz(a,h)anthracene	DbA	38 J	520	ND	300 J	ND	ND	ND	440 J
Fluoranthene	Flu	280 J	3,800	ND	11000	9,600	1,100	3600 J	2,800
Indeno(1,2,3-cd)pyrene	IaP	110 J	1,500	ND	910 J	2,600	270	770 J	860 J
Phenanthrene	Phe	310 J	3,100	ND	1,100	8,000	730	2000	1800 J
Pyrene	Pyr	510 J	3,200	ND	2,400	8,300	890	3500	2,200
Arsenic	As	22.4	20	21.4	7.8	8.5	36.7	34.8	14.4
Barium	Ba	924	1,500	202	69.3	162	736	379	418
Cadmium	Cd	0.9	3	0.98	0.3	0.52	3.3	0.77	1.7
Copper	Cu	117	124	137	51.7	45.7	143	90.3	148
Lead	Pb	909	1,030	641	126	417	2470	2870	1170
Mercury	Hg	0.45	2.30	0.12	1.60	1.80	0.36	0.28	0.80
Nickel	Ni	28.2	17	25.1	8.8	13.6	20.2	19.5	15.4
Zinc	Zn	947 B	2,980	470	158 B	196	1450	457 B	790

SID	MW-8	MW-5	GS#12	GS#37	GS#39	TS#9	MW-7
D.I.	0 - 6	0 - 10	4' - 8'	4' -6'	4' -6'	2' - 8'	0 - 8
BaA	1700 J	570 J	13,000	250 J	530	300 J	220 J
BaP	1600 J	580 J	13,000	240 J	470	280 J	210 J
BaF	2200 J	720 J	15,000	240 J	530	400 J	300
BkF	990 J	240 J	6,600	330 J	520	270 J	130 J
Chr	1700 J	600 J	14,000	330 J	620	340 J	210 J
DbA	440 J	99 J	2,800	ND	ND	97 J	42 J
Flu	2900 J	1100 J	27,000	2900	2300	490 J	330
IaP	730 J	250 J	5,600	170 J	240 J	200 J	120 J
Phe	1200 J	1000 J	24,000	300 J	510	390 J	91 J
Pyr	2400 J	880 J	18,000	720	1300	620 J	300
As	19.5	8.7	34.4	23.6	11.9	43.6	23.3
Ba	79.5 B	751	1890	475	2120	954	4530
Cd	0.48	2.7	3.2	2.5	2	3.6	4
Cu	189	90.2	111	177	94.7	1290	58.6
Pb	180	1330	2440	3320	941	93500	6770
Hg	0.26	0.65	ND	3.30	0.32	0.25	0.12
Ni	16.5	11.6	18.9	29.3	11.1	17.6	25.1
Zn	251 B	946 B	1600	1270 B	1410 B	1120 B	22900 B

132 DINGENS STREET SITE, BUFFALO, NY

SOIL SAMPLES at 4' to 12' - SVOCs/METALS EXCEEDING SCOs

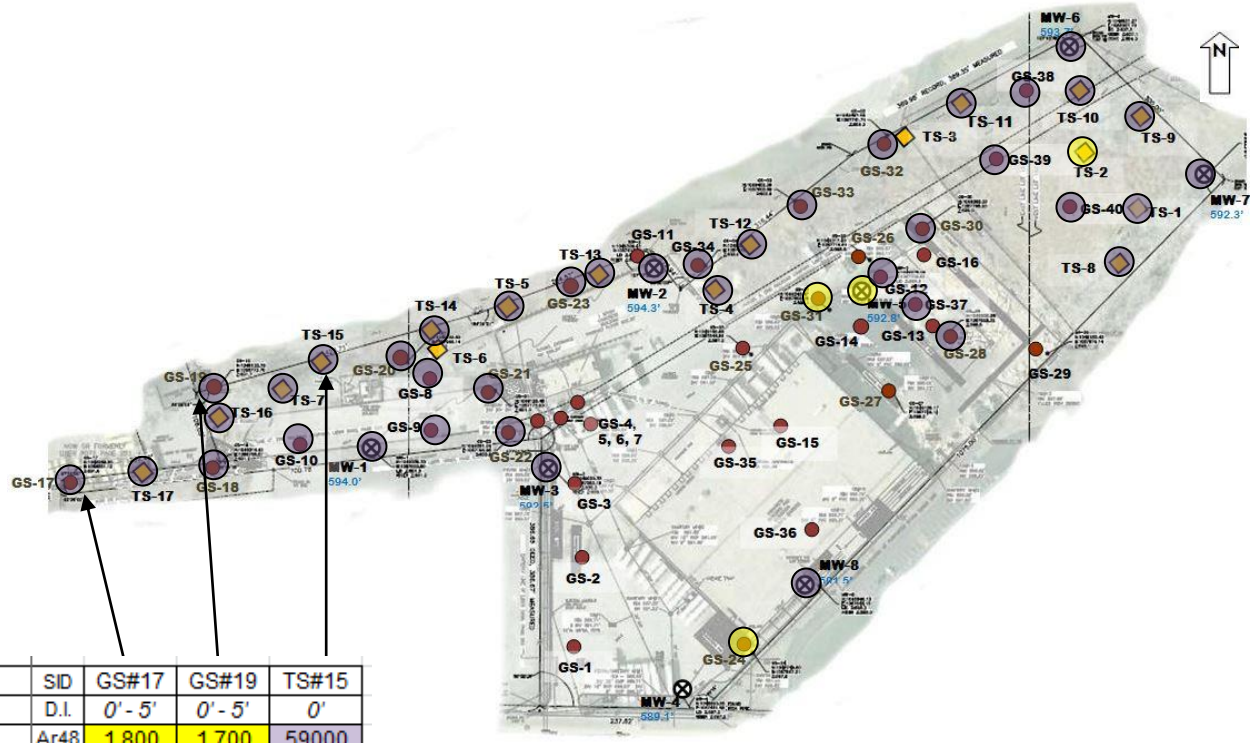
FIGURE 10C

IEG

LEGEND

- Exceed Commercial SCOs
- Exceed Industrial SCOs
- Geoprobe soil sample
- Test pit soil sample
- Monitoring well

PCBs in µg/Kg



SAMPLE ID	SID	GS#17	GS#19	TS#15
DEPTH INTERVAL (ft)	D.I.	*0' - 5'*	*0' - 5'*	*0'*
Aroclor 1248	Ar48	1,800	1,700	59000
Aroclor 1254	Ar54	3,100	3,400	ND

132 DINGENS STREET SITE, BUFFALO, NY
ALL SOIL SAMPLES - PCBs EXCEEDING SCOs

FIGURE 11

IEG

DRAWING

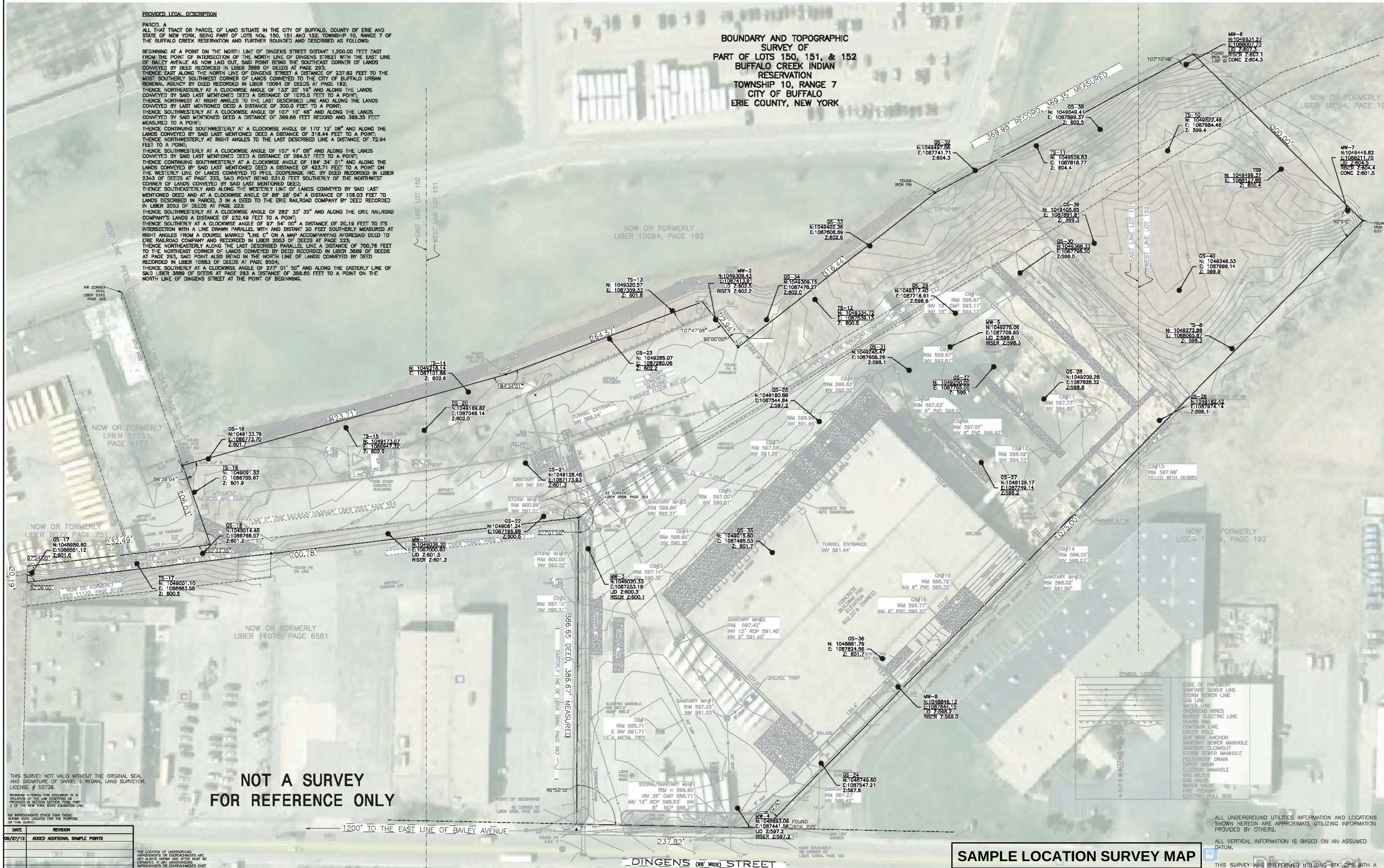
BOUNDARY AND TOPOGRAPHIC SURVEY OF PART OF LOTS 150, 151, & 152 BUFFALO CREEK INDIAN RESERVATION TOWNSHIP 10, RANGE 7 CITY OF BUFFALO ERIE COUNTY, NEW YORK

PROVIDED LEGAL DESCRIPTION

PARCEL A

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF BUFFALO, COUNTY OF ERIE AND STATE OF NEW YORK, BEING PART OF LOTS NOs. 150, 151 AND 152, TOWNSHIP 10, RANGE 7 OF THE BUFFALO CREEK RESERVATION AND FURTHER BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE NORTH LINE OF DINGENS STREET DISTANT 1,200.00 FEET EAST FROM THE POINT OF INTERSECTION OF THE NORTH LINE OF DINGENS STREET WITH THE EAST LINE OF BAILEY AVENUE AS NOW LAID OUT, SAID POINT BEING THE SOUTHEAST CORNER OF LANDS CONVEYED BY DEED RECORDED IN LIBER 3889 OF DEEDS AT PAGE 293;
THENCE EAST ALONG THE NORTH LINE OF DINGENS STREET A DISTANCE OF 237.82 FEET TO THE MOST SOUTHERLY SOUTHWEST CORNER OF LANDS CONVEYED TO THE CITY OF BUFFALO URBAN RENEWAL AGENCY BY DEED RECORDED IN LIBER 10094 OF DEEDS AT PAGE 192;
THENCE NORTHEASTERLY AT A CLOCKWISE ANGLE OF 133° 20' 16" AND ALONG THE LANDS CONVEYED BY SAID LAST MENTIONED DEED A DISTANCE OF 1075.0 FEET TO A POINT;
THENCE NORTHWEST AT RIGHT ANGLES TO THE LAST DESCRIBED LINE AND ALONG THE LANDS CONVEYED BY LAST MENTIONED DEED A DISTANCE OF 300.0 FEET TO A POINT;
THENCE SOUTHWESTERLY AT A CLOCKWISE ANGLE OF 107° 10' 48" AND ALONG THE LANDS CONVEYED BY SAID MENTIONED DEED A DISTANCE OF 369.66 FEET RECORD AND 369.35 FEET MEASURED TO A POINT;
THENCE CONTINUING SOUTHWESTERLY AT A CLOCKWISE ANGLE OF 170° 12' 08" AND ALONG THE LANDS CONVEYED BY SAID LAST MENTIONED DEED A DISTANCE OF 318.44 FEET TO A POINT;
THENCE NORTHWESTERLY AT RIGHT ANGLES TO THE LAST DESCRIBED LINE A DISTANCE OF 72.94 FEET TO A POINT;
THENCE SOUTHWESTERLY AT A CLOCKWISE ANGLE OF 107° 47' 08" AND ALONG THE LANDS CONVEYED BY SAID LAST MENTIONED DEED A DISTANCE OF 264.57 FEET TO A POINT;
THENCE CONTINUING SOUTHWESTERLY AT A CLOCKWISE ANGLE OF 184° 34' 01" AND ALONG THE LANDS CONVEYED BY SAID LAST MENTIONED DEED A DISTANCE OF 423.71 FEET TO A POINT ON THE WESTERLY LINE OF LANDS CONVEYED TO PFEIL COOPERAGE INC. BY DEED RECORDED IN LIBER 2343 OF DEEDS AT PAGE 333, SAID POINT BEING 231.0 FEET SOUTHERLY OF THE NORTHWEST CORNER OF LANDS CONVEYED BY SAID LAST MENTIONED DEED;
THENCE SOUTHEASTERLY AND ALONG THE WESTERLY LINE OF LANDS CONVEYED BY SAID LAST MENTIONED DEED AND AT A CLOCKWISE ANGLE OF 86° 28' 04" A DISTANCE OF 106.03 FEET TO LANDS DESCRIBED IN PARCEL 3 IN A DEED TO THE ERIE RAILROAD COMPANY BY DEED RECORDED IN LIBER 2053 OF DEEDS AT PAGE 223;
THENCE SOUTHWESTERLY AT A CLOCKWISE ANGLE OF 282° 33' 35" AND ALONG THE ERIE RAILROAD COMPANY'S LANDS A DISTANCE OF 232.49 FEET TO A POINT;
THENCE SOUTHERLY AT A CLOCKWISE ANGLE OF 97° 54' 00" A DISTANCE OF 20.19 FEET TO ITS INTERSECTION WITH A LINE DRAWN PARALLEL WITH AND DISTANT 20 FEET SOUTHERLY MEASURED AT RIGHT ANGLES FROM A COURSE MARKED "LINE C" ON A MAP ACCOMPANYING AFORESAID DEED TO ERIE RAILROAD COMPANY AND RECORDED IN LIBER 2053 OF DEEDS AT PAGE 223;
THENCE NORTHEASTERLY ALONG THE LAST DESCRIBED PARALLEL LINE A DISTANCE OF 700,78 FEET TO THE NORTHEAST CORNER OF LANDS CONVEYED BY DEED RECORDED IN LIBER 3889 OF DEEDS AT PAGE 293, SAID POINT ALSO BEING IN THE NORTH LINE OF LANDS CONVEYED BY DEED RECORDED IN LIBER 10883 OF DEEDS AT PAGE 8504;
THENCE SOUTHERLY AT A CLOCKWISE ANGLE OF 277° 01' 50" AND ALONG THE EASTERLY LINE OF SAID LIBER 3889 OF DEEDS AT PAGE 293 A DISTANCE OF 386.65 FEET TO A POINT ON THE NORTH LINE OF DINGENS STREET AT THE POINT OF BEGINNING.



THIS SURVEY NOT VALID WITHOUT THE ORIGINAL SEAL AND SIGNATURE OF DANIEL J REGAN, LAND SURVEYOR, LICENSE # 50739.

WARNING: ALTERING THIS DOCUMENT IS IN VIOLATION OF THE LAW EXCEPTING AS PROVIDED IN SECTION SECTION 7209, PART 2 OF THE NEW YORK STATE EDUCATION LAW.

NO IMPROVEMENTS OTHER THAN THOSE SHOWN WERE LOCATED FOR THE PURPOSE OF THIS SURVEY.

NOT A SURVEY FOR REFERENCE ONLY

SAMPLE LOCATION SURVEY MAP

ALL UNDERGROUND UTILITIES INFORMATION AND LOCATIONS SHOWN HEREON ARE APPROXIMATE UTILIZING INFORMATION PROVIDED BY OTHERS.

ALL VERTICAL INFORMATION IS BASED ON AN ASSUMED DATUM.

THIS SURVEY WAS PREFORMED UTILIZING RTK GPS WITH A MANUFACTURE'S PUBLISHED ACCURACY OF 10MM + 1PPM HORIZONTAL, 15MM + 1PPM VERTICAL

DATE	REVISION
09/27/12	ADDED ADDITIONAL SAMPLE POINTS

THE LOCATION OF UNDERGROUND IMPROVEMENTS OR ENCROACHMENTS ARE NOT ALWAYS KNOWN AND OFTEN MUST BE ESTIMATED. IF ANY UNDERGROUND IMPROVEMENTS OR ENCROACHMENTS EXIST OR ARE SHOWN, THE IMPROVEMENTS OR ENCROACHMENTS ARE NOT COVERED BY THIS CERTIFICATE.

DATE : 01/12/2012	SHEET 1 OF 1
JOB No. DJR-12-0001	SCALE 1" = 50'
DWN:	CKD:
FILE NAME: 120001_WELLS _080112	

Daniel J Regan PLS, PSM
7231 Tricia Lane
Boston, New York, 14025
PH (716) 941-3612

SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD

THIS SURVEY WAS PREFORMED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE AND IS SUBJECT TO ANY FACTS THAT MAY BE REVEALED BY AN EXAMINATION OF SUCH.

TABLES

TABLE 1

132 DINGENS ST. SITE - BCP REMEDIAL INVESTIGATION

SURVEY OF DRUMS AND CANS

June 25, 2012

QTY	SIZE	COLOR	DESCRIPTION	CONTENTS	VOLUME OF LIQUID	NOTES	STATUS
1	30 gal	Blue	Plastic Drum	GCO-10 Bacteriostat / Algaecide	Near Full	Diversey Corp; non-hazardous	Disposed by EP&S
1	55 gal	Black	Metal Drum (Drum A)	Waste Oil	2/5 full	Was originally outside the building.	Sampled (WD-A) Disposed by EP&S
1	15 gal	Blue	Plastic Drum	Formula DL-1546	Full	Active Ingrdt: 15% Glutaraldehyde ; non-hazardous	Disposed by EP&S
1	15 gal	Blue	Plastic Drum	Formula DL-1536	Full	Active Ingrdt: 10% Dideuyl demethyl ammonium chloride ; non-hazardous	Disposed by EP&S
1	55 gal	Black	Metal Drum (Drum B)	Waste Oil	1/3 full	Cosolidated with (3) small waste oil jugs, remnants of grey plastic drum and open container of waste oil	Sampled (WD-B) Disposed by EP&S
1	55 gal	Grey	Plastic Drum	Has waste oil sludge at bottom	< gallon	Small amount of oil poured into Drum B	Removed
1	55 gal	Blue	Plastic Drum	Formula 1016	< 5 gal	Buffalo Industrial Chemicals; Potassium Hydroxide	Disposed by EP&S
1	55 gal	White	Metal Drum	Johnsons Shop 500 Cleaner	1/4 full	Sodium Hydroxide	Disposed by EP&S
1	15 gal	Brown	Non Liquid Drum	Formula 3210	1/3 full	White powder-like substance; non-hazardous	Disposed by EP&S
1	15 gal	Black	Open Plastic Container	Soil/oil/trash cleanup	3/4 full	Contains waste oil contaminated soil under plastic jugs found near TS-5	Disposed by EP&S
1	55 gal	White	Metal Drum	Refrigeration Oil	Near full	Brought by Pinto for waste oil	Reused by Pinto
2	55 gal	Black	Metal Drum	Refrigeration Oil	Full	Brought by Pinto for waste oil	Reused by Pinto
1	55 gal	Green	Metal Drum	Transformer Oil	1/2 full	Brought by Pinto for waste oil	Reused by Pinto
3	55 gal	Black	Metal Drum	Transformer Oil	Full	Brought by Pinto for waste oil	Reused by Pinto
7	1 gal	Labeled	Paint Can	Miscellaneous paints	1/4 - Full		Disposed by Pinto
8	1 gal		Metal Can	Collinite No 237 Insulator Cleaner	Full	Utica, NY	Disposed by Pinto
1	3 gal	White	Plastic Jug	Residual waste oil	Near Empty	Used to drain Refrigeration Oil	Disposed by Pinto
1	3 gal	Grey	Metal Oil Pan	Sludge / Oil	Near Empty	Used to drain Refrigeration Oil	Disposed by Pinto
2	1 1/2"	White	Plastic Sample Bailers	Residual waste oil	Empty	Used to sample Drum A and Drum B	Disposed by Pinto
24	8'	Opaque	Flourescent Bulbs			From Refrigeration Building	Disposed by Pinto

TABLE 2

132 DINGENS STREET

PHASE II ESA (2011) - SUMMARYOF SAMPLING & ANALYSES

SAMPLE MATRIX	DATE OF SAMPLING	TOTAL NUMBER OF SAMPLES	ANALYTICAL PARAMETER								
			VOCs	SVOCs	ASBESTOS	PESTICICES HERBICIDES	PCBs	METALS	TCLP METALS	INDICATOR PARAMETERS	FLASHPOINT
GEOPROBE SAMPLES (16 field locations)	12/16/11	12	6	10				7			
TEST PIT SAMPLES (7 field locations)	12/19/11	7		6	1		2	7			
WASTE DRUM SAMPLES (Up to 12 drums to be removed; 2 drums drums sampled)	12/20/11	2	2				2		2		2
TRANSFORMER SAMPLES (2 transformer locations; 2 oil and 2 soil samples)	12/22/11	4					4				
WATER FROM TUNNEL AND REFRIGERATOR BUILDING BASEMENT	9/13/11	1	1	1		1	1	1		1	

TABLE 3A
132 DINGENS STREET
ANALYTICAL RESULTS - PHASE II ESA (2011) GEOPROBE SOIL SAMPLES
(SAMPLED 12/16/11)

SAMPLE ID/ LOCATION	NYSDEC PART 375 SCOSs		GS#1	GS#2	GS#3	GS#7	GS#8	GS#9	GS#10	GS#11	GS#12	GS#13	GS#14	GS#16
			southwest area			refr. bldg.	northwest area			north corner	eastern section			
DEPTH INTERVAL (ft)	RESTRICTED COMMERCIAL	RESTRICTED INDUSTRIAL	0 - 4	4 - 8	4 - 8	8 - 12	4 - 8	8 - 12	4 - 8	4 - 8	4 - 8	8 - 12	4 - 8	8 - 12
Percent Solids (%)			76.6	84.3	78.6	86.3	62.0	67.1	72.3	59.2	41.5	60.1	84.0	68.7
VOLATILE ORGANICS (VOCs, ug/Kg)														
Acetone	500,000	1,000,000		48		28		160			460		33	100
Methylene chloride	500,000	1,000,000		3.5		4.8								
Cyclohexane	--	--				1.7					27		6.1	
Benzene	45,000	89,000									5			
Toluene	500,000	1,000,000									1.3		0.58	
Ethylbenzene	390,000	780,000									20		2.1	
Total Xylenes	500,000	1,000,000	NA		NA		NA		NA	NA	89	NA	3.2	
2-Butanone (MEK)	500,000	1,000,000		11		6.1		25			120		8.2	23
Methylcyclohexane	--	--									150		22	
Methylene Chloride	500,000	1,000,000									9.7			
Isopropylbenzene	500,000	1,000,000									150		20	
TOTAL BTEX				**0**		**0**		**0**			**115**		**6**	**0**
TOTAL VOCs				**63**		**41**		**185**			**1,032**		**95**	**123**
SEMIVOLATILE ORGANICS (SVOCs, ug/Kg)														
Naphthalene	500,000	1,000,000		25										
2-Methylnaphthalene	--	--									82,000		470	41
Anthracene	500,000	1,000,000					2,200	230		47	5,300	51		140
Acenaphthene	500,000	1,000,000					920				3,900			110
Acenaphthylene	500,000	1,000,000									4,400			42
Acetophenone	--	--									3,500			
Benzo(a)anthracene	5600	11,000	13	84			3,900	520		240	**13,000**	120	470	250
Benzo(a)pyrene	1000	1,100		89			**4,800**	580		320	**13,000**	120	440	300
Benzo(b)fluoranthene	5600	11,000	21	120			4,900	660		300	**15,000**	140	690	400
Benzo(k)fluoranthene	56000	110,000		40			2,300	360		140	6,600	83	270	120
Benzo(g,h,i)perylene	500,000	1,000,000	19	76	ND		3,200			190	5,900	98	400	190
Bis(2-ethylhexyl) phthalate	--	--				NA			NA	210		180		
Carbazole	--	--					710			30	1,200	23		85
Chrysene	56000	110,000	19	88			3,600	540		220	14,000	120	290	260
Dibenzofuran	--	--					880							
Dibenz(a,h)anthracene	560	1,100								58	**2,800**	30		51
Fluoranthene	500,000	1,000,000	15	200			9,600	1,100		410	27,000	250	740	690
Fluorene	500,000	1,000,000					940				7,800	33	400	100
Indeno(1,2,3-cd)pyrene	5600	11,000	14	58			2,600	270		170	5,600	82		160
Naphthalene	500,000	1,000,000									8,100			56
Phenanthrene	500,000	1,000,000					8,000	730		230	24,000	190	900	450
Pyrene	500,000	1,000,000		180			8,300	890		360	18,000	200	570	520
TOTAL SVOCs			**101**	**960**	**0**		**56,850**	**5,880**		**2,925**	**261,100**	**1,720**	**5,640**	**3,965**

TABLE 3A
132 DINGENS STREET
ANALYTICAL RESULTS - PHASE II ESA (2011) GEOPROBE SOIL SAMPLES
(SAMPLED 12/16/11)

SAMPLE ID/ LOCATION	NYSDEC PART 375 SCOSs		GS#1	GS#2	GS#3	GS#7	GS#8	GS#9	GS#10	GS#11	GS#12	GS#13	GS#14	GS#16
			southwest area			refr. bldg.	northwest area			north corner	eastern section			
DEPTH INTERVAL (ft)	RESTRICTED COMMERCIAL	RESTRICTED INDUSTRIAL	0 - 4	4 - 8	4 - 8	8 - 12	4 - 8	8 - 12	4 - 8	4 - 8	4 - 8	8 - 12	4 - 8	8 - 12
Percent Solids (%)			76.6	84.3	78.6	86.3	62.0	67.1	72.3	59.2	41.5	60.1	84.0	68.7
METALS (mg/Kg)														
Aluminum	--	--	6400		4570		5260	4890	6880	6910	5810			
Antimony	--	--	1.6					2.7	1.8		2.4			
Mercury	2.8	5	0.05		0.02		0.05	1.80	0.36	0.12	1.30			
Arsenic	16	16	15		14.1		8.5	**36.7**	**21.4**	**20.5**	**34.4**			
Barium	400	10,000	352		90.3		162	**736**	202	234	**1890**			
Beryllium	590	2,700	0.98		0.52		0.54	0.59	0.72	0.81	0.7			
Cadmium	9.3	60	0.43		0.29		0.52	3.3	0.98	0.63	3.2			
Calcium	--	--	8510		3190		4310	19200	7490	7360	34600			
Chromium	1,500	6,800	12.4		12		9.9	52.7	16.9	10.8	55.3			
Cobalt	--	--	6.4		10.4		5	6.6	6.5	7.5	9.9			
Copper	270	10,000	63.8	NA	139	NA	45.7	143	137	**350**	111	NA	NA	NA
Iron	--	--	32800		87400		9680	51300	21700	9600	51100			
Lead	1,000	3,900	549		124		**417**	**2470**	641	**1220**	**2440**			
Magnesium	--	--	626		273		577	3280	2180	556	3480			
Manganese	10,000	10,000	280		697		88.1	453	298	168	566			
Nickel	310	10,000	17.5		21.7		13.6	20.2	25.1	24	18.9			
Potassium	--	--	770		460		757	902	803	971	1190			
Selenium	1,500	6,800	0.8		2.3			5.1	2.4	1.4	2.8			
Silver	1,500	6,800			0.3		0.33	0.69			11			
Sodium	--	--	411		201		371	860	160	551	1710			
Vanadium	--	--	23.6		28.2		26.5	20.3	29.8	31.3	18.6			
Zinc	10,000	10,000	276		282		196	1450	470	318	1600			

Note: 1. "ND" - Not detected; "NA" or "--" = not analyzed
2. Only detected volatile and semivolatile compounds are listed; all metals analyzed are listed
3. Compounds exceeding Part 375 SCO for commercial use are shown in bold numbers.

TABLE 3B

132 DINGENS STREET

ANALYTICAL RESULTS - PHASE II ESA (2011) TEST PIT SOIL SAMPLES

(SAMPLED 12/19/11)

SAMPLE ID/ LOCATION	NYSDEC PART 375 SOIL CLEANUP OBJECTIVE		TS-1	TS-2	TS-3	TS-4	TS-5	TS-6	TS-7
			eastern section			northern section			
DEPTH INTERVAL (ft)	COMMERCIAL	INDUSTRIAL	0 - 4	0 - 4	0 - 4	0 - 4	4 - 8	0 - 0.5	0 - 6
Percent Solids (%)			56.5	70.5	90.3	70.3	78.9	75.3	74.2
SEMIVOLATILE ORGANICS (SVOCs, ug/Kg)									
2-Methylnaphthalene	--	--			14		41,000		
Anthracene	500,000	1,000,000					300,000		650
Acenaphthene	500,000	1,000,000					99,000		
Acenaphthylene	500,000	1,000,000					43,000		
Benzo(a)anthracene	5,600	11,000	830	140	60	**7,800**	**490,000**		1,900
Benzo(a)pyrene	1,000	1,000	**1,300**	170	170	**8,300**	**550,000**		**2,400**
Benzo(b)fluoranthene	5,600	11,000	1,400	190	240	**9,600**	**600,000**		2,500
Benzo(k)fluoranthene	56,000	110,000	730		88	5,300	**240,000**		1,100
Benzo(g,h,i)perylene	500,000	1,000,000	720		200		290,000		1,800
Biphenyl	--	--					12,000		
Bis(2-ethylhexyl) phthalate	--	--		1,300		25,000			
Carbazole	--	--	120				110,000	NA	
Chrysene	56,000	110,000	1,100	200	82	7,200	**450,000**		2,100
Dibenzofuran	--	--					95,000		
Dibenz(a,h)anthracene	560	1,100			71		**86,000**		520
Diethyl phthalate	--	--							
Fluoranthene	500,000	1,000,000	1,600	180	39	10,000	**1,200,000**		3,800
Fluorene	500,000	1,000,000					150,000		
Indeno(1,2,3-cd)pyrene	5,600	11,000	750		170		**250,000**		1,500
Naphthalene	500,000	1,000,000					77,000		
Phenanthrene	500,000	1,000,000	740	88	31	9,200	**1,200,000**		3,100
Pyrene	500,000	1,000,000	1,500		35	10,000	**880,000**		3,200
TOTAL SVOCs			**10,790**	**2,268**	**1,200**	**92,400**	**7,163,000**		**24,570**
PCBs (ug/Kg)									
Arocior 1254	1,000	25,000	--	--	--	--	ND	ND	--
Arocior 1260			--	--	--	--			--
ASBESTOS	**--**	--	--	--	--	--	--	--	ND

TABLE 3B

132 DINGENS STREET

ANALYTICAL RESULTS - PHASE II ESA (2011) TEST PIT SOIL SAMPLES

(SAMPLED 12/19/11)

SAMPLE ID/ LOCATION	NYSDEC PART 375 SOIL CLEANUP OBJECTIVE		TS-1	TS-2	TS-3	TS-4	TS-5	TS-6	TS-7
			eastern section			northern section			
DEPTH INTERVAL (ft)	COMMERCIAL	INDUSTRIAL	0 - 4	0 - 4	0 - 4	0 - 4	4 - 8	0 - 0.5	0 - 6
Percent Solids (%)			56.5	70.5	90.3	70.3	78.9	75.3	74.2
METALS (mg/Kg)									
Aluminum	--	--	12,700	7,200	1,190	8,020	6,560	13,600	6,010
Antimony	--	--	9.6	3.3		7.0	3.6		4.1
Mercury	2.8	5.7	0.6	0.4		**3.9**	0.7	0.1	2.3
Arsenic	16	16	**25.3**	15.0	1.5	**25.3**	**18.4**	5.1	**20.4**
Barium	400	10,000	**1,270**	376	7	**2,560**	354	80	**1,500**
Beryllium	590	2,700	1.0	0.8	0.1	0.7	0.6	0.6	0.6
Cadmium	9.3	60	2.2	1.1	0.0	6.1	0.9	0.4	2.9
Calcium	--	--	12,600	11,100	769	21,900	12,700	16,400	25,600
Chromium	1,500	6,800	50.7	20.5	2.6	158.0	20.3	45.5	17.3
Cobalt	--	--	7.7	8.0	0.2	15.8	5.5	7.1	6.7
Copper	270	10,000	**382**	106	16	**411**	122	18	124
Iron	--	--	47,000	16,200	4,060	81,800	23,500	22,300	21,300
Lead	1,000	3,900	**4,160**	**2,970**	7	**4,400**	604	41	**1,030**
Magnesium	--	--	2,230	771	157	2,810	2,280	3,280	3,450
Manganese	10,000	10,000	254	426	61	772	332	1,080	334
Nickel	310	10,000	23	20	2	63	16	17	17
Potassium	--	--	1,240	772	93	901	965	1,620	799
Selenium	1,500	6,800	4.0	0.8		2.6	1.5	1.7	1.2
Silver	1,500	6,800	4.4	0.3		1.3			0.4
Sodium	--	--	369	312	32	398	324	78	275
Thallium	--	--				0.6		1.1	
Vanadium	--	--	41.0	30.7	1.3	37.3	22.6	37.9	24.5
Zinc	10,000	10,000	2,600	525	11	4,000	695	133	2,980

Note: 1. "ND" - Not detected; "NA" or "--" = not analyzed
2. Only detected volatile and semivolatile compounds are listed; all metals analyzed are listed
3. Compounds exceeding Part 375 SCO for commercial use are shown in bold numbers.

TABLE 4A
132 DINGENS STREET - BCP REMEDIAL INVESTIGATION
SCHEDULE OF SAMPLING AND ANALYSIS

ANALYTICAL PARAMETER	ANALYTICAL METHOD	SOIL SAMPLES 8 MW BORINGS (Jul'12); 24 GEOPROBE BORINGS (Jul'12 & Sep'12); 10 TEST PITS (Sep'12); 8 SURFACE SOIL LOCATIONS (Sep'12)				GROUNDWATER SAMPLES (8 OVERBURDEN WELLS - TWO ROUNDS) ROUND 1 (Aug'12) with BAILER; and ROUND 2 (Apr/May'13) with LOW FLOW (incl. unfiltered & lab filtered samples)				
		# OF SAMPLES	FIELD DUPLICATE	MS/MSD	RINSE BLANK	# OF SAMPLES	FIELD DUPLICATE	MS/MSD	RINSE BLANK	TRIP BLANK
TCL Volatile Organics (VOCs)	8260	32	1	4	2	16	1	2	1	2
TCL Semivolatile Organics (SVOCs)	8270	59	4	6	2	26	1	2	1	2
Pesticides/ PCBs	8081/ 8082	51	2	6	1	16	1	2	1	-
TAL Metals/ Mercury	6010/ 7470	59	2	6	2	26	1	2	1	-
Cyanide	9012	24	1	--	1	16	1	--	1	-
Total Lead	6010	7	1	--	--	NA				
TCLP Metals	SW8463/ 6010	4	1	--	--	NA				
TCLP Lead	SW8463/ 6010	13	1	--	--	NA				
Landfill Parameters	varies	5	1	--	--	NA				

NOTE: "NA" = not applicable

TABLE 4B
132 DINGENS ST. SITE - BCP REMEDIAL INVESTIGATION
DETAILED BREAKDOWN OF SAMPLING AND ANALYSIS

SAMPLE MATRIX	DATE OF SAMPLING	LAB DATA PACKAGE	TOTAL NUMBER OF LOCATIONS	TOTAL NUMBER OF SAMPLES	RAW/UNFILTERED SAMPLES										FILTERED SAMPLES	
					Landfill Parameters	TCL VOCs	TCL SVOCs	PESTs	PCBs	TAL METALS	TCLP METALS	TOTAL LEAD	TCLP LEAD	CYANIDE	TCL SVOCs	TAL METALS
					Methods (see Notes)	Method 8260B	Method 8270C	Method 8081A	Method 8082	Method 6010B	Method SW8463/ 6010	Method 6010B	Method 6010B	Method 9012A	Method 8270C	Method 6010B
SOIL																
MW LOCATIONS (MW-4 & MW-8)	7/16/2012	480-22637-1	2	4	--	2	2	2	2	2	--	--	--	--	NA	NA
MW LOCATIONS (MW-5)	7/17/2012	480-22686-1	1	4	--	3	1	1	1	1	--	--	--	--		
MW LOCATIONS (MW-2 & MW-3)	7/18/2012	480-22754-1	2	4	--	2	2	2	2	2	--	--	--	--		
MW LOCATIONS (MW-1, MW-6 & MW-7)	7/19/2012	480-22825-1/2	3	7	--	3	3	3	3	3	--	--	1	--		
GEOPROBE LOCATIONS (GS-17 thro' GS-25)	7/23/2012	480-22966-1	9	21	--	10	11	10	10	11	--	--	--	--		
GEOPROBE LOCATIONS (GS-20)	7/23/2012	480-22966-3	2	2	--	--	--	--	--	--	--	--	2	--		
GEOPROBE LOCATIONS (GS-26 thro' GS34)	7/24/2012	480-23010-1	9	19	--	9	10	9	9	10	--	--	--	--		
GEOPROBE LOCATIONS (GS-28, 30, 32 & 34)	7/24/2012	480-23010-3	4	4	--	--	--	--	--	--	4	--	--	--		
GEOPROBE LOCATION (GS-35 thro' GS-40)	9/21/2012	480-25487-1	6	16	--	1	8	8	8	8	--	7	7	8		
TEST PIT LOCATIONS (TS-8 thro' TS-17)	9/25/2012	480-25613-1	10	24	5	2	22	16	16	22	--	--	3	16		
GROUNDWATER																
1st ROUND SAMPLING (MW-1, 2, 3, 4 & 8)	8/30/2012	480-24544-1	5	10	--	5	5	5	5	5	--	--	--	5	5	5
1st ROUND SAMPLING (MW-5, 6 & 7)	8/31/2012	480-24575-1	3	6	--	3	3	3	3	3	--	--	--	3	3	3
2ND ROUND SAMPLING (MW-1 thro' 8)	4/25/2013 - 5/1/2013	480-37039-1	8	10	--	8	8	8	8	8	--	--	--	8	2	2

NOTES: (1) "NA" = Not applicable
(2) Methods: Landfill Parameters - 9045, 1010, 6012, 9012, 9034, 8260, 7470

TABLE 4C
132 DINGENS STREET - BCP REMEDIAL INVESTIGATION
HOLDING TIMES AND CONTAINERS FOR SAMPLING/ANALYSIS

ANALYTICAL PARAMETER	SAMPLE HOLDING TIMES	SOIL	GROUNDWATER (GW)	
			UNFILTERED	FILTERED[1]
		CONTAINER TYPE/ # per sample	CONTAINER TYPE/ # per sample	CONTAINER TYPE/ # per sample
TCL Volatile Organics (VOCs)	14 days	2-OZ GLASS (2 each)	40-ml GLASS (2 each) HCl preserved	field filter only; 40-ml GLASS (2 each) HCl preserved
TCL Semivolatile Organics (SVOCs)	Soil: 14 days GW: 7 days	4-OZ GLASS (1 each)	1 L-GLASS AMBER (2 each) no preservative	1 L-GLASS AMBER (2 each) no preservative
Pesticides/ PCBs	1 year (laboratory)		1 L-GLASS AMBER (2 each) no preservative	1 L-GLASS AMBER (2 each) no preservative
TAL Metals/Mercury	Metals: 180 days Hg: 28 days	4-OZ GLASS (1 each)	200-ml PLASTIC (1 each) HNO3 preserved	200-ml PLASTIC (1 each) no preservative
Cyanide	14 days	4-OZ GLASS (1 each)	200-ml PLASTIC (1 each) NaOH preserved	200-ml PLASTIC (1 each) no preservative
Total Lead	Metals: 180 days Hg: 28 days	4-OZ GLASS (1 each)	200-ml PLASTIC (1 each) HNO3 preserved	200-ml PLASTIC (1 each) no preservative
TCLP Metals	14 days	4-OZ GLASS (1 each)	NA	
TCLP Lead	14 days	4-OZ GLASS (1 each)	NA	
Landfill Parameters	varies	4-OZ GLASS (2 each)	NA	

NOTE: (1) Filtered analysis if sample turbidity persists over 50 NTU; samples for VOCs field filtered; all other by laboratory
(2) NA = Not applicable

TABLE 5

132 DINGENS STREET - BCP REMEDIAL INVESTIGATION

COORDINATES/ELEVATIONS OF MONITORING WELLS/GEOPROBE BORINGS

(all values are in feet)

LOCATION	NORTHING	EASTING	GROUND ELEV.	WATER		SOIL LAYERS					
						FILL		SILTY SAND		CLAY	
				DEPTH BELOW GROUND	ELEV.	DEPTH BELOW GROUND	ELEV. (bottom)	DEPTH BELOW GROUND	ELEV. (bottom)	DEPTH BELOW GROUND	ELEV. (beyond))
MW-1	1049039.3	1087000.6	601.5	6	595.5	0 - 13	588.5	-----	-----	13 - >16	585.5
MW-2	1049309.4	1087413.9	602.5	6	596.5	0 - 5 8 - 10	597.5 592.5	5 - 8 10 - 14	594.5 588.5	14 - >18	584.5
MW-3	1049020.3	1087253.2	600.3	6	594.3	0 - 7	593.3	7 - 12	588.3	12 - >16	584.3
MW-4	1048693.1	1087441.6	597.2	12	585.2	0 - 2	595.2	2 - 12	585.2	12 - >24	573.2
MW-5	1049275.4	1087710.0	598.6	6	592.6	0 - 8	590.6	8 - 11	587.6	11 ->18	580.6
MW-6	1049631.3	1088007.7	604.3	11	593.3	1 - 16	588.3	-----	-----	16 - >20	584.3
MW-7	1049446.8	1088211.7	601.5	8	593.5	1 - 2 4 - 10	599.5 591.5	2 - 4 10 - 11	597.5 590.5	11 - >16	585.5
MW-8	1048846.1	1087644.1	598.2	6	592.2	0 - 8	590.2	8 - 12	586.2	12 - >20	578.2
GS17	1048989.6	1086551.1	601.6	9	592.6	0 - 7	594.6	7 - 8	593.6	8 - >16	585.6
GS18	1049014.5	1086766.6	601.2	7	594.2	0 - 10	591.2	-----	-----	10 - >16	585.2
GS19	1049133.8	1086773.7	601.7	-----		1 - 7	594.7	7 - 11	590.7	11 - >14	587.7
GS20	1049169.8	1087046.1	602.0	8	594.0	0 - 10	592.0	-----	-----	10 - >18	584.0
GS21	1049128.5	1087173.9	601.3	8	593.3	0 - 11	590.3	-----	-----	11 - >14	587.3
GS22	1049061.2	1087197.0	600.6	8	592.6	0 - 12	588.6	-----	-----	12 - >16	584.6
GS23	1049285.1	1087280.1	602.2	10	592.2	1 - 12		-----	-----	12 - >16	0.0
GS24	1048749.6	1087547.2	597.6	8	589.6	0 - 2 4 - 7	595.6 590.6	2 - 4	593.6	7 - >16	581.6
GS25	1049180.9	1087544.8	597.2	10	587.2	0 - 7	590.2	7 - 11	586.2	11 - >16	581.2
GS26	1049317.4	1087716.6	598.6	5	593.6	0 - 12	586.6	3 - 4	594.6	12 - >16	582.6
GS27	1049129.2	1087749.1	598.2	7	591.2	0 - 8	590.2	-----	-----	8 - >12	586.2
GS28	1049209.3	1087828.3	598.8	8	590.8	0 - 11	587.8	-----	-----	11 - >16	582.8
GS29	1049182.4	1087974.1	598.1	8	590.1	0 - 14	584.1	14 - 16	582.1	16 - >20	578.1
GS30	1049368.3	1087798.2	599.0	6	593.0	0 - 11	588.0	11 - 12	587.0	12 - >16	583.0
GS31	1049245.5	1087658.3	598.1	7	591.1	0 - 11	587.1	-----	-----	11 - >16	582.1
GS32	1049497.6	1087741.7	604.3	11	593.3	1 - 16	588.3	-----	-----	16 - >20	584.3
GS33	1049402.4	1087608.7	602.6	8	594.6	1 - 12	590.6	-----	-----	12 - >20	582.6
GS34	1049309.1	1087478.3	602.0	8	594.0	1 - 10	592.0	10 - 12	590.0	12 - >16	582.0
GS35	1049015.6	1087485.5	601.7	13	588.7	1 - 16	585.7	-----	-----	16 - >20	581.7
GS36	1048881.8	1087624.6	601.7	11	590.7	1 - 14	587.7	-----	-----	14 - >16	585.7
GS37	1049250.0	1087765.0	599.1	7	592.1	1 - 12	587.1	-----	-----	12 - >16	583.1
GS38	1049549.4	1087899.4	602.5	10	592.5	1 - 18	584.5	-----	-----	10 - >20	582.5
GS39	1049405.6	1087891.8	599.3	7	592.3	1 - 12	587.3	-----	-----	>12	587.3
GS40	1049346.5	1087999.1	599.9	7	592.9	1 - 12	587.9	-----	-----	12 - >16	583.9
TS08	1049272.9	1088065.9	596.3	5	591.3	1 - 8	588.3	-----	-----	>8	588.3
TS09	1049499.4	1088127.9	600.4	7	593.4	1 - 8	592.4	-----	-----	-----	-----
TS10	1049522.5	1087984.5	599.4	6	593.4	1 - 8	591.4	-----	-----	-----	-----
TS11	1049528.8	1087818.8	604.4	--	--	1 - 8	596.4	-----	-----	-----	-----
TS12	1049334.7	1087539.1	600.5	--	--	1 - 8	592.5	-----	-----	-----	-----
TS13	1049320.6	1087359.3	601.8	--	--	1 - 8	593.8	-----	-----	-----	-----
TS14	1049218.1	1087101.9	602.6	--	--	1 - >8	594.6	-----	-----	-----	-----
TS15	1049173.1	1086947.3	602.9	--	--	1 - >8	594.9	-----	-----	-----	-----
TS16	1049091.5	1086755.9	601.9	--	--	1 - >8	593.9	-----	-----	-----	-----
TS17	1049001.1	1086683.6	600.5	--	--	1 - >8	592.5	-----	-----	-----	-----
GAS WELL	1049167.3	1087228.2	602.6								

TABLE 6

132 DINGENS STREET - BCP REMEDIAL INVESTIGATION
MONITORING WELL DETAILS AND ELEVATIONS
(all values are in feet)

MONITORING WELL	NORTHING	EASTING	GROUND ELEVATION	DEPTH TO BOTTOM	MONITORING WELL ELEVATIONS			WATER TABLE ELEVATION									
								07/25/12		07/31/12		11/14/12		4/25/13 - 5/1/13		06/11/13	
					GROUND	TOP OF CASING/ LID	TOP OF RISER	DEPTH TO WATER	ELEV.	DEPTH TO WATER	ELEV.	DEPTH TO WATER	ELEV.	DEPTH TO WATER	ELEV.	DEPTH TO WATER	ELEV.
MW-1	1049039.3	1087000.6	601.5	14.17	587.33	601.50	601.23	7.18	594.02	7.16	594.04	6.31	594.92	6.04	595.19	5.73	588.29
MW-2	1049309.4	1087413.9	602.5	14.68	587.52	602.45	602.15	7.83	594.37	7.88	594.32	6.94	595.21	5.65	596.50	6.22	588.15
MW-3	1049020.3	1087253.2	600.3	14.60	585.50	600.34	600.13	7.58	592.52	7.62	592.48	6.90	593.23	6.59	593.54	6.45	586.07
MW-4	1048693.1	1087441.6	597.2	21.30	575.40	597.24	596.73	7.39	589.31	7.64	589.06	7.13	589.60	7.18	589.55	7.01	582.30
MW-5	1049275.4	1087710.0	598.6	14.55	583.75	598.58	598.34	5.49	592.81	5.48	592.82	4.89	593.45	4.42	593.92	4.21	588.60
MW-6	1049631.3	1088007.7	604.3	19.88	587.22	607.32	607.14	13.43	593.67	13.39	593.71	12.11	595.03	11.93	595.21	11.40	582.27
MW-7	1049446.8	1088211.7	601.5	16.97	587.43	604.47	604.36	11.61	592.79	11.45	592.95	9.65	594.71	9.37	594.99	8.98	583.81
MW-8	1048846.1	1087644.1	598.2	19.88	578.32	598.19	597.99	6.44	591.56	6.52	591.48	6.08	591.91	5.76	592.23	5.49	586.07

TABLE 7A
132 DINGENS STREET - BCP REMEDIAL INVESTIGATION
ANALYTICAL DATA - MONITORING WELL SOIL BORING SAMPLES
(SAMPLED 7/16/12 - 7/19/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		MW-1	MW-2	MW-3	MW-4	MW-5	MW-5	MW-5	MW-6	MW-7	MW-8
	COMMERCIAL	INDUSTRIAL	west section	north section	middle section	south section	middle section	middle section	middle section	east section	east section	south section
VOLATILE ORGANICS (VOCs, ug/Kg)												
DEPTH INTERVAL (ft)			*7.0*	*6.0*	*9.0*	*3.0*	*5.0*	*12.0*	*15.0*	*11.0*	*8.0*	*3.0*
Percent Solids (%)			*85.3*	*52.8*	*79.3*	*86.6*	*83.8*	*76.7*	*76.4*	*69.7*	*59.9*	*85.7*
Acetone	500,000	1,000,000		44.0	20 J	78.0	60.0	12 J	15 J		19 J	
Benzene	45,000	89,000										1.0 J
Cyclohexane	--	--					140.0					
Ethylbenzene	390,000	780,000										1.2 J
Isopropylbenzene	500,000	1,000,000					78.0					
2 - Butanone (MEK)	500,000	1,000,000		5.8 J	3.6 J	15 J	19 J					
Methylcyclohexane	--	--					310.0					
Methylene chloride	500,000	1,000,000										
Tetrachloroethene	150,000	300,000	0.86 J				1.6 J					
Toluene	500,000	1,000,000					3.5 J					2.6 J
Total Xylenes	500,000	1,000,000										3.7 J
TOTAL VOCs			**0.9**	**49.8**	**23.6**	**93.0**	**612.1**	**12.0**	**15.0**	**ND**	**19.0**	**8.5**
PESTICIDES (ug/Kg)												
DEPTH INTERVAL (ft)			*0 - 8*	*0 - 8*	*0 - 8*	*0 - 6*	*0 - 10*			*0 - 10*	*0 - 8*	*0 - 6*
Percent Solids (%)			*88.4*	*77.7*	*81.4*	*88.4*	*82.7*	*NA*	*NA*	*82.6*	*72.2*	*92.0*
4,4'-DDT	47,000	94,000	20 J	16 J						11 J		
PCBs (ug/Kg)												
DEPTH INTERVAL (ft)			*0 - 8*	*0 - 8*	*0 - 8*	*0 - 6*	*0 - 10*			*0 - 10*	*0 - 8*	*0 - 6*
Percent Solids (%)			*88.4*	*77.7*	*81.4*	*88.4*	*82.7*	*NA*	*NA*	*82.6*	*72.2*	*92.0*
Aroclor 1248	1,000	25,000								88 J		

TABLE 7A
132 DINGENS STREET - BCP REMEDIAL INVESTIGATION
ANALYTICAL DATA - MONITORING WELL SOIL BORING SAMPLES
(SAMPLED 7/16/12 - 7/19/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		MW-1	MW-2	MW-3	MW-4	MW-5	MW-5	MW-5	MW-6	MW-7	MW-8
	COMMERCIAL	INDUSTRIAL	west section	north section	middle section	south section	middle section	middle section	middle section	east section	east section	south section
SEMIVOLATILE ORGANICS (SVOCs, ug/Kg)												
DEPTH INTERVAL (ft)			*0 - 8*	*0 - 8*	*0 - 8*	*0 - 6*	*0 - 10*			*0 - 10*	*0 - 8*	*0 - 6*
Percent Solids (%)			*88*	*78*	*81*	*88*	*83*			*83*	*72*	*92*
Biphenyl	--	--		320 J								
2-Methylnaphthalene	--	--	85 J	840 J			1500 J			240 J		
Acenaphthene	500,000	1,000,000		2100 J			220 J			950 J		
Acenaphthylene	500,000	1,000,000	230 J	380 J			62 J			380 J	33 J	
Anthracene	500,000	1,000,000	310 J	5,600	390 J		180 J			3,700	32 J	330 J
Benzo(a)anthracene	5,600	11,000	1,900	13,000	1400 J	28 J	570 J			8,400	220 J	1700 J
Benzo(a)pyrene	1,000	1,100	1,700	11,000	1500 J	24 J	580 J			7,200	210 J	1600 J
Benzo(b)fluoranthene	5,600	11,000	2,700	15,000	1900 J	36 J	720 J			9,300	300	2200 J
Benzo(g,h,i)perylene	500,000	1,000,000	880 J	5,700	1000 J	23 J	250 J			2,800	100 J	700 J
Benzo(k)fluoranthene	56,000	110,000	1,100	4,900	880 J	25 J	240 J			3,700	130 J	990 J
Bis(2-ethylhexyl) phthalate	--	--	840 J		680 J			*NA*	*NA*		600	
Caprolactam	--	--					3,100					
Carbazole	--	--	130 J	2,900	200 J		120 J			970 J		
Chrysene	56,000	110,000	1,800	11,000	1400 J	32 J	600 J			7,300	210 J	1700 J
Dibenz(a,h)anthracene	560	1,100	300 J	620 J	440 J	15 J	99 J			860 J	42 J	440 J
Dibenzofuran	--	--		2,400						930 J		
Fluoranthene	500,000	1,000,000	2,900	23,000	2,800	49 J	1100 J			18,000	330	2900 J
Fluorene	500,000	1,000,000		3,200			270 J			1900 J		
Indeno(1,2,3-cd)pyrene	5,600	11,000	910 J	5,600	860 J	23 J	250 J			3,300	120 J	730 J
Naphthalene	500,000	1,000,000		1700 J						370 J		
Phenanthrene	500,000	1,000,000	1,100	21,000	1800 J	38 J	1000 J			14,000	91 J	1200 J
Pyrene	500,000	1,000,000	2,400	18,000	2,200	40 J	880 J			13,000	300	2400 J
TOTAL SVOCs			**19,285**	**148,260**	**17,450**	**333**	**11,741**	**NA**	**NA**	**97,300**	**2,718**	**16,890**

TABLE 7A
132 DINGENS STREET - BCP REMEDIAL INVESTIGATION
ANALYTICAL DATA - MONITORING WELL SOIL BORING SAMPLES
(SAMPLED 7/16/12 - 7/19/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		MW-1	MW-2	MW-3	MW-4	MW-5	MW-5	MW-5	MW-6	MW-7	MW-8
	COMMERCIAL	INDUSTRIAL	west section	north section	middle section	south section	middle section	middle section	middle section	east section	east section	south section
METALS (mg/Kg)												
DEPTH INTERVAL (ft)			*0 - 8*	*0 - 8*	*0 - 8*	*0 - 6*	*0 - 10*			*0 - 10*	*0 - 8*	*0 - 6*
Percent Solids (%)			*88.4*	*77.7*	*81.4*	*88.4*	*82.7*			*82.6*	*72.2*	*92.0*
Aluminum	--	--	2580	6890	8690	14400	16800			7630	8010	4540
Antimony	--	--	0.94 J	3.3 J	3.2 J		0.92 J			1.4 J	17.4 J	3.2 J
Arsenic	16	16	7.8	128	14.4	11	8.7			17	23.3	19.5
Barium	400	10,000	69.3	455	418	92.3 B	751			266	4530	79.5 B
Beryllium	590	2,700	0.36	1	1.3	0.84	4.3			0.6	0.51	0.69
Cadmium	9.3	60	0.3	0.94	1.7	0.20 J	2.7			1.4	4	0.48
Calcium	--	--	6070 B	20000 B	48900 B	21000 B	113000 B			31500 B	51300 B	61500 B
Chromium	1,500	6,800	6.3	36.5	20.6	19.7 B	21.4			20.9	16.3	16.9 B
Cobalt	--	--	3.5	23.1	5.2	13.8	2.9			7	9.3	6.8
Copper	270	10,000	51.7	276	148	30.8	90.2			160	58.6	189
Iron	--	--	16900 B	92300 B	35800 B	26600 B	18000 B	*NA*	*NA*	21500 B	29200 B	17400 B
Lead	1,000	3,900	126	1580	1170	18.8	1330			480	6770	180
Magnesium	--	--	1160 B	1350	13500	9850	27200			8230 B	19100 B	4930
Manganese	10,000	10,000	100	480 B	742 B	551 B	1470 B			492	444	316 B
Nickel	310	10,000	8.8	863	15.4	32	11.6			23.7	25.1	16.5
Potassium	--	--	426	682	1060	2320	1670			1240	1280	609
Selenium	1,500	6,800		2.6 J	4.1 J		2.8 J			1.2		1.4 J
Silver	1,500	6,800		1	1.1							
Sodium	--	--	156	362	409	216 B	678			170 J	159 J	187 B
Thallium	--	--		0.92 J	0.37 J	0.40 J	1.0 J					
Vanadium	--	--	20.4	28.5	15.7	26.3	7.4			19.5	21.2	11.6
Zinc	10,000	10,000	158 B	490 B	790	68.5 B	946 B			375 B	22900 B	251 B
Mercury	2.8	5.7	1.6	7	0.8		0.65			0.44	0.12	0.26

Note: 1. "NA" or "--" = not analyzed
2. Only detected volatile and semivolatile compounds are listed; all metals analyzed are listed
3. Compounds exceeding Part 375 SCO for commercial use are shown in bold numbers.

TABLE 7B
132 DINGENS STREET - BCP REMEDIAL INVESTIGATION
ANALYTICAL DATA - GEOPROBE SOIL BORING SAMPLES
(SAMPLED 7/23/12, 7/24/12 and 9/21/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		GS#17	GS#17	GS#18	GS#18D	GS#19	GS#20	GS#21	GS#22	GS#23	GS#24	GS#25	GS#26
	COMMERCIAL	INDUSTRIAL	western area						refrigeration building area		north	south	central area	
VOLATILE ORGANICS (VOCs, ug/Kg)														
DEPTH INTERVAL (ft)			*8*		*7*	*7*	*6*	*8*	*7*	*7*	*10*	*7*	*10*	*5*
Percent Solids (%)	--	--	*79.8*		*78.1*	*78.4*	*79.4*	*79.5*	*82.3*	*73.3*	*37*	*63.1*	*84.3*	*93.2*
2-Hexanone	--	--												
Acetone	100,000	1,000,000	35						220	15 J		410	76	12 J
Benzene	4,800	89,000												
Carbon disulfide	--	--												4.4 J
Cyclohexane	--	--												1.2 J
Ethylbenzene	41,000	780,000												
Isopropylbenzene	100,000	1,000,000												
2-Butanone (MEK)	100,000	1,000,000	5.3 J	NA				23 J	32			88	15 J	
Toluene	100,000	1,000,000												1.2 JB
Methylcyclohexane	--	--												
Methylene Chloride	100,000	1,000,000												
Tetrachloroethene	3,500	300,000					15							
Trichloroethene	21,000	400,000					1.9 J							
Total Xylenes	100,000	1,000,000												
TOTAL VOCs			**40**		**ND**	**ND**	**17**	**23**	**252**	**15**	**ND**	**498**	**91**	**19**
PESTICIDES (ug/Kg)														
DEPTH INTERVAL (ft)			*0 - 5*		*0 - 5*	*0 - 5*	*0 - 5*	*4 - 8*	*0 - 4*	*2 - 6*	*4 - 8*	*1 - 5*	*1 - 5*	*1 - 5*
Percent Solids (%)			*96.3*		*93.2*	*91*	*84.8*	*70*	*83.5*	*82.8*	*78.6*	*81*	*82.5*	*88.7*
4,4'-DDE	62,000	120,000	84 J				88 J							21 J
4,4'-DDT	47,000	94,000				36 J			41 J	8.2 J	11 J	52 J		
Dieldrin	1,400	2,800	39 J											
Endosulfan II	200,000	920,000		NA										
Endrin	89,000	410,000	33 J				42 J							
Methoxychlor	--	--				120	32 J							
TOTAL PEST			**156**		**ND**	**156**	**162**	**ND**	**41**	**8**	**11**	**52**	**ND**	**21**
PCBs (ug/Kg)														
DEPTH INTERVAL (ft)			*0 - 5*		*0 - 5*	*0 - 5*	*0 - 5*	*4 - 8*	*0 - 4*	*2 - 6*	*4 - 8*	*1 - 5*	*1 - 5*	*1 - 5*
Percent Solids (%)			*96.3*		*93.2*	*91*	*84.8*	*70*	*83.5*	*82.8*	*78.6*	*81*	*82.5*	*88.7*
Aroclor 1248			1,800		190 J	230 J	1,700							
Aroclor 1254	1,000	25,000	3,100	NA	450	490	3,400							
Aroclor 1260			710		77 J	140 J	320							190 J
TOTAL PCBs	1,000	25,000	**5,610**		**717**	**860**	**5,420**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**190**

TABLE 7B
132 DINGENS STREET - BCP REMEDIAL INVESTIGATION
ANALYTICAL DATA - GEOPROBE SOIL BORING SAMPLES
(SAMPLED 7/23/12, 7/24/12 and 9/21/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		GS#17	GS#17	GS#18	GS#18D	GS#19	GS#20	GS#21	GS#22	GS#23	GS#24	GS#25	GS#26
	COMMERCIAL	INDUSTRIAL	western area						refrigeration building area		north	south	central area	
SEMIVOLATILE ORGANICS (SVOCs, ug/Kg)														
DEPTH INTERVAL (ft)			*0 - 5*	*11*	*0 - 5*	*0 - 5*	*0 - 5*	*4 - 8*	*0 - 4*	*2 - 6*	*4 - 8*	*1 - 5*	*1 - 5*	*1 - 5*
Percent Solids (%)	--	--	*96.3*	*72.5*	*93.2*	*91*	*84.8*	*70*	*83.5*	*82.8*	*78.6*	*81*	*82.5*	*88.7*
Biphenyl	--	--												
2-Methylnaphthalene	--	--												
3 & 4-Methylphenol	--	--												
Acenaphthene	500,000	1,000,000		13 J		200 J	500 J	300 J		61 J	220 J		44 J	
Acenaphthylene	500,000	1,000,000				480 J				180 J				
Acetophenone	--	--												
Anthracene	500,000	1,000,000		37 J	850 J	1000 J	1100 J	960 J		470 J	530 J		180 J	
Benzaldehyde	--	--												
Benzo(a)anthracene	5,600	11,000	1100 J	71 J	6200	6900	2300 J	2600 J	1900 J	2500	1300 J	1000 J	580 J	
Benzo(a)pyrene	1,000	1,100	1200 J	59 J	5800	6500	2400 J	2200 J	1800 J	2400	1300 J	1000 J	600 J	
Benzo(b)fluoranthene	5,600	11,000	1700 J	79 J	9800	11000	3200 J	3000 J	2500 J	3400	1800 J	1400 J	850 J	86 J
Benzo(g,h,i)perylene	500,000	1,000,000	540 J		1800 J	2000 J	630 J	650 J		660 J			120 J	
Benzo(k)fluoranthene	56,000	110,000	850 J	38 J	3700	4100	1400 J	1400 J	1200 J	1500	740 J	740 J	350 J	46 J
Bis(2-ethylhexyl) phthalate	--	--				2400 JB								
Butyl benzyl phthalate	--	--												
Carbazole	--	--				540 J	440 J			87 J				
Chrysene	56,000	110,000	1200 J	62 J	6600	7300	2400 J	2300 J	1800 J	2300	1400 J	1100 J	570 J	
Dibenz(a,h)anthracene	560	1,100	300 J		710 J	850 J								
Dibenzofuran	--	--								46 J				
Di-n-butyl phthalate	--	--												
Fluoranthene	500,000	1,000,000	2000 J	150 J	12000	13000	4800	5100	3600 J	4600	2700 J	2000 J	1300	
Fluorene	500,000	1,000,000					460 J			100 J				
Indeno(1,2,3-cd)pyrene	5,600	11,000	690 J		2300 J	2400 J	780 J	750 J		770 J	270 J		140 J	
Naphthalene	500,000	1,000,000					900 J							
Phenanthrene	500,000	1,000,000	830 J	140 J	3700	3800	4200	3800 J	2300 J	2000	2300 J	1000 J	810 J	
Pyrene	500,000	1,000,000	1600 J	120 J	9100	9900	3600 J	3900 J	2500 J	3500	2100 J	1600 J	910 J	
TOTAL SVOCs			**12,010**	**769**	**62,560**	**72,370**	**29,110**	**26,960**	**17,600**	**24,574**	**14,660**	**9,840**	**6,454**	**132**

TABLE 7B
132 DINGENS STREET - BCP REMEDIAL INVESTIGATION
ANALYTICAL DATA - GEOPROBE SOIL BORING SAMPLES
(SAMPLED 7/23/12, 7/24/12 and 9/21/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		GS#17	GS#17	GS#18	GS#18D	GS#19	GS#20	GS#21	GS#22	GS#23	GS#24	GS#25	GS#26
	COMMERCIAL	INDUSTRIAL	western area						refrigeration building area		north	south	central area	
METALS (mg/Kg)														
DEPTH INTERVAL (ft)			*0 - 5*	*11*	*0 - 5*	*0 - 5*	*0 - 5*	*4 - 8*	*0 - 4*	*2 - 6*	*4 - 8*	*1 - 5*	*1 - 5*	*1 - 5*
Percent Solids (%)			*96.3*	*72.5*	*93.2*	*91*	*84.8*	*70*	*83.5*	*82.8*	*78.6*	*81*	*82.5*	*88.7*
Aluminum	--	--	2170	1060	2190	2710	6580	5230	12800	6610	8050	9870	13600	20000
Antimony	--	--	6.8 J		1.7 J	3.3 J	4.6 J	12.7 J	2.5 J	3.6 J	2.5 J			
Arsenic	16	16	12.3	1.4 J	43	43.1	14.5	21.8	15.9	34.8	10.8	11.4	6.7	2.3 J
Barium	400	10,000	205	14.4	81.7	91.7	454	2370	511	379	265	116	163	230 B
Beryllium	590	2,700	0.31	0.12 J	0.41	0.51	0.66	0.65	2.6	0.7	0.71	0.55	1.8	4.9
Cadmium	9.3	60	7	0.049 J	0.6	1.1	2.5	2.2	1.7	0.77	0.8	0.20 J	0.42	0.21 J
Calcium	--	--	7460 B	634 B	7080 B	21800 B	18200 B	12000 B	88400 B	30000 B	6640 B	43200 B	47300 B	199000 B
Chromium	1,500	6,800	70.4	2.1	11.8	27.4	27.6	18.6	111	27.7	13.3	18.2	14.9	11.5
Cobalt	--	--	5.9	1.1	3.7	9.1	7.7	6.6	4	7.4	7	11.1	7.3	0.62
Copper	270	10,000	341	4.5	64.1	143	257	207	102	90.3	284	32.1	25.8	18.1
Iron	--	--	54000 B	2140 B	29600 B	40300 B	36500 B	42100 B	25200 B	31300 B	10100 B	23200 B	18500 B	3470 B
Lead	1,000	3,900	1080	2.9	149	165	1760	9790	979	2870	1380	82	229	93.3
Magnesium	--	--	1210	227	858	1270	6120	1580	22900	2480	946	15400	17100	29500
Manganese	10,000	10,000	409 B	10.2 B	135 B	231 B	470 B	448 B	1260 B	357 B	382 B	412 B	1100 B	1690 B
Nickel	310	10,000	79.6	3.9 J	12.2	20.4	19.2	18.3	12.4	19.5	18.5	25.4	17.1	3.1 J
Potassium	--	--	319	186	487	497	989	744	1160	625	764	2770	1800	1460
Selenium	1,500	6,800	1.4 J		1.1 J	1.1 J	1.7 J	2.7 J	3.4 J	2.8 J	0.81 J	1.2 J	1.6 J	3.0 J
Silver	1,500	6,800					0.26 J	0.35 J		0.64				
Sodium	--	--	105 J	91.1 J	51.6 J	65.5 J	252	249	497	236	265	244	735	661
Thallium	--	--							0.88 J				0.41 J	1.1 J
Vanadium	--	--	14.1	4	12.4	15.4	24.4	21.6	15.4	18.4	20.8	21.6	18.9	5
Zinc	10,000	10,000	737 B	9.0 B	210 B	498 B	1160 B	1830 B	598 B	457 B	473 B	67.0 B	144 B	44.4 B
Mercury	2.8	5.7	0.85	0.061	0.087	0.057	0.57	0.72	8.3	0.28	2	0.064	0.045	0.020 J
Total Lead (mg/Kg)	1,000	3,900												
TCLP Lead (mg/L)	5													
Total Cyanide (mg/Kg)	27	10,000												

Note: 1. "NA" or "--" = not analyzed
2. Only detected volatile and semivolatile compounds are listed; all metals analyzed are listed
3. Compounds exceeding Part 375 SCO for commercial use are shown in bold numbers.

TABLE 7B
132 DINGENS STREET - BCP REMEDIAL INVESTIGATION
ANALYTICAL DATA - GEOPROBE SOIL BORING SAMPLES
(SAMPLED 7/23/12, 7/24/12 and 9/21/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		GS#27	GS#28	GS#29	GS#30	GS#31	GS#32	GS#32	GS#33	GS#34	GS#35	GS#36	GS#37
	COMMERCIAL	INDUSTRIAL	central area		eastern area		central area	northeast		northern area		Concrete Slab		Central
VOLATILE ORGANICS (VOCs, ug/Kg)														
DEPTH INTERVAL (ft)			*6*	*9*	*8*	*7*	*7*	*11*		*8*	*8*	*5*		
Percent Solids (%)	--	--	*62.9*	*77.1*	*57.3*	*50.2*	*79.2*	*67.6*		*76.5*	*74.7*	*88.6*		
2-Hexanone	--	--			4.8 JB									
Acetone	100,000	1,000,000	250	26 J	17 J	520	110	150		39				
Benzene	4,800	89,000								4.5 J				
Carbon disulfide	--	--				11								
Cyclohexane	--	--												
Ethylbenzene	41,000	780,000							NA	2.5 J				
Isopropylbenzene	100,000	1,000,000												
2-Butanone (MEK)	100,000	1,000,000	44	4.2 J		110	14 J	20 J		4.6 J			NA	NA
Toluene	100,000	1,000,000								6.4				
Methylcyclohexane	--	--												
Methylene Chloride	100,000	1,000,000												
Tetrachloroethene	3,500	300,000												
Trichloroethene	21,000	400,000												
Total Xylenes	100,000	1,000,000				3.2 J				13				
TOTAL VOCs			**294**	**30**	**22**	**644**	**124**	**170**		**70**	**ND**	**ND**		
PESTICIDES (ug/Kg)														
DEPTH INTERVAL (ft)			*1 - 5*	*1 - 5*	*1 - 5*	*2 - 6*	*1 - 5*	*1 - 5*		*1 - 5*	*1 - 5*	*6-8*	*9-10*	*4-6*
Percent Solids (%)			*83*	*88.5*	*88.3*	*77.4*	*85.1*	*91.3*		*87.2*	*82.5*	*83.8*	*72.7*	*66.6*
4,4'-DDE	62,000	120,000	9.8 J		8.9 J			21 J		26 J	9.3 J			
4,4'-DDT	47,000	94,000								34 J				
Dieldrin	1,400	2,800												
Endosulfan II	200,000	920,000							NA	34 J				
Endrin	89,000	410,000								25 J				
Methoxychlor	--	--												
TOTAL PEST			**10**	**ND**	**9**	**ND**	**ND**	**21**	**NA**	**119**	**9**	**ND**	**ND**	**ND**
PCBs (ug/Kg)														
DEPTH INTERVAL (ft)			*1 - 5*	*1 - 5*	*1 - 5*	*2 - 6*	*1 - 5*	*1 - 5*		*1 - 5*	*1 - 5*	*6-8*	*9-10*	*4-6*
Percent Solids (%)			*83*	*88.5*	*88.3*	*77.4*	*85.1*	*91.3*		*87.2*	*82.5*	*83.8*	*72.7*	*66.6*
Aroclor 1248														
Aroclor 1254	1,000	25,000							NA					
Aroclor 1260				140 J										
TOTAL PCBs	1,000	25,000	**ND**	**140**	**ND**	**ND**	**ND**	**ND**	**NA**	**ND**	**ND**	**ND**	**ND**	**ND**

TABLE 7B
132 DINGENS STREET - BCP REMEDIAL INVESTIGATION
ANALYTICAL DATA - GEOPROBE SOIL BORING SAMPLES
(SAMPLED 7/23/12, 7/24/12 and 9/21/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		GS#27	GS#28	GS#29	GS#30	GS#31	GS#32	GS#32	GS#33	GS#34	GS#35	GS#36	GS#37
	COMMERCIAL	INDUSTRIAL	central area		eastern area		central area	northeast		northern area		Concrete Slab		Central
SEMIVOLATILE ORGANICS (SVOCs, ug/Kg)														
DEPTH INTERVAL (ft)			*1 - 5*	*1 - 5*	*1 - 5*	*2 - 6*	*1 - 5*	*1 - 5*	*12*	*1 - 5*	*1 - 5*	*6-8*	*9-10*	*4-6*
Percent Solids (%)	--	--	*83*	*88.5*	*88.3*	*77.4*	*85.1*	*91.3*	*66.7*	*87.2*	*82.5*	*83.8*	*72.7*	*66.6*
Biphenyl	--	--						630 J				26 J		
2-Methylnaphthalene	--	--						2000		340 J	110 J	100 J	46 J	44 J
3 & 4-Methylphenol	--	--							270 J					160 J
Acenaphthene	500,000	1,000,000			590 J			3500	100 J	980 J	96 J	160 J		40 J
Acenaphthylene	500,000	1,000,000								170 J				
Acetophenone	--	--												
Anthracene	500,000	1,000,000	170 J		490 J		130 J	12000	240 J	3200	410 J	400 J	59 J	65 J
Benzaldehyde	--	--											120 J	120 J
Benzo(a)anthracene	5,600	11,000	930 J		1000 J		720 J	17000	680 J	8400	1800 J	1000	260 J	250 J
Benzo(a)pyrene	1,000	1,100	860 J	230 J	890 J	150 J	730 J	17000	740 J	8000	2400	930	330 J	240 J
Benzo(b)fluoranthene	5,600	11,000	1000 J	310 J	1200 J	250 J	970 J	24000	980 J	12000	3300	950	360 J	240 J
Benzo(g,h,i)perylene	500,000	1,000,000	260 J		240 J		230 J	5200	230 J	2300	1200 J	450	270 J	220 J
Benzo(k)fluoranthene	56,000	110,000	450 J	170 J	710 J	160 J	450 J	12000	490 J	4400	1700 J	1100	410 J	330 J
Bis(2-ethylhexyl) phthalate	--	--										87 J	120 J	280 J
Butyl benzyl phthalate	--	--										27 J		57 J
Carbazole	--	--			180 J			8000	150 J	1200 J	190 J	140 J	47 J	
Chrysene	56,000	110,000	800 J	230 J	860 J	190 J	630 J	15000	690 J	7500	2100	1000	360 J	330 J
Dibenz(a,h)anthracene	560	1,100						1600 J	99 J	790 J	400 J	160 J		
Dibenzofuran	--	--			490 J			4900		630 J		130 J	31 J	28 J
Di-n-butyl phthalate	--	--												
Fluoranthene	500,000	1,000,000	1600 J	360 J	2700	210 J	1200 J	34000	1200 J	17000	2900	1700	480	430 J
Fluorene	500,000	1,000,000			770 J			7100		1000 J		220 J	26 J	43 J
Indeno(1,2,3-cd)pyrene	5,600	11,000	270 J		270 J		230 J	5100	220 J	2100	1100 J	430	190 J	170 J
Naphthalene	500,000	1,000,000			250 J			5100	270 J	450 J		160 J	59 J	68 J
Phenanthrene	500,000	1,000,000	720 J	260 J	2800	160 J	680 J	36000	1000 J	11000	1600 J	1700	430 J	300 J
Pyrene	500,000	1,000,000	1400 J	280 J	1800 J	210 J	910 J	21000	890 J	13000	2200	3000	910	720
TOTAL SVOCs			**8,460**	**1,840**	**15,240**	**1,330**	**6,880**	**231,130**	**8,249**	**94,460**	**21,506**	**13,870**	**4,508**	**4,135**

TABLE 7B
132 DINGENS STREET - BCP REMEDIAL INVESTIGATION
ANALYTICAL DATA - GEOPROBE SOIL BORING SAMPLES
(SAMPLED 7/23/12, 7/24/12 and 9/21/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		GS#27	GS#28	GS#29	GS#30	GS#31	GS#32	GS#32	GS#33	GS#34	GS#35	GS#36	GS#37
	COMMERCIAL	INDUSTRIAL	central area		eastern area		central area	northeast		northern area		Concrete Slab		Central
METALS (mg/Kg)														
DEPTH INTERVAL (ft)			*1 - 5*	*1 - 5*	*1 - 5*	*2 - 6*	*1 - 5*	*1 - 5*	*12*	*1 - 5*	*1 - 5*	*6-8*	*9-10*	*4-6*
Percent Solids (%)			*83*	*88.5*	*88.3*	*77.4*	*85.1*	*91.3*	*66.7*	*87.2*	*82.5*	*83.8*	*72.7*	*66.6*
Aluminum	--	--	6250	4890	26300	6870	10700	2140	7840	8570	5070	10900	15200	8740
Antimony	--	--	2.9 J	111	0.78 J	22.4	1.7 J	0.65 J	11.8 J	7.0 J	6.5 J			
Arsenic	16	16	10	27.8	2.8	12.2	9.7	2.7	19	21.1	37.2	9.0 B	9.7 B	23.6
Barium	400	10,000	357 B	1800 B	206 B	820 B	403 B	33.7 B	563 B	612 B	717 B	150	187	475
Beryllium	590	2,700	0.8	0.62	4.8	0.99	2	0.15 J	0.9	0.58	0.63	1.2	1.3	1.6
Cadmium	9.3	60	1	9.5	0.15 J	1.3	1	0.22	3.1	3.5	1.2	0.78	0.99	2.5
Calcium	--	--	15900 B	33800 B	187000 B	15400 B	37300 B	2020 B	8130 B	33800 B	12600 B	49300 B	29300 B	73200 B
Chromium	1,500	6,800	19.8	265	8.9	18.8	20.2	21.9	48.2	32.5	32.1	23.5	34.6	38.6
Cobalt	--	--	5.5	6.2	1.6	5.4	6	1.1	9.6	6.1	5.5	8	10.1	7.8
Copper	270	10,000	170	110	7.1	115	214	21.5	1200	211	147	49.1	72.2	177
Iron	--	--	17100 B	73700 B	4480 B	36500 B	19400 B	10000 B	38300 B	32600 B	35000 B	19400 B	33400 B	74000 B
Lead	1,000	3,900	433	2370	25.3	6880	1320	73.6	3150	2640	1040	250	392	3320
Magnesium	--	--	2450	4950	35300	3090	10300	537	960	4470	1590	11400 B	9350 B	10700 B
Manganese	10,000	10,000	344 B	805 B	2630 B	373 B	650 B	1000 B	273 B	376 B	407 B	664 B	664 B	1010
Nickel	310	10,000	13.5	40.6	5.1 J	21.6	18.2	5.2 J	743	18.7	19.5	22.7	22	29.3
Potassium	--	--	532	458	1970	674	1070	187	640	795	565	1690	1710	916
Selenium	1,500	6,800	2.2 J	1.3 J	3.9 J	1.8 J	2.9 J		1.0 J	1.9 J	3.0 J	1.4 J	2.0 J	4.6 J
Silver	1,500	6,800	0.69			2.4			1.6	0.52				0.9
Sodium	--	--	340	208	649	368	433	51.9 J	728	557	178	345	305	797
Thallium	--	--		0.90 J	3.2 J		0.46 J	1.7 J		0.39 J				
Vanadium	--	--	23.1	18.4	6.5	19.5	22.2	5.5	27.9	16.8	21.9	21.2	31	23.7
Zinc	10,000	10,000	1320 B	14400 B	45.6 B	780 B	605 B	50.5 B	2630 B	1770 B	4400 B	194 B	361 B	1270 B
Mercury	2.8	5.7	1.1	3.6	0.063	0.37	1.3	0.3	0.37	0.44	0.54	0.5	0.26	3.3
Total Lead (mg/Kg)	1,000	3,900												
TCLP Lead (mg/L)	5													
Total Cyanide (mg/Kg)	27	10,000												1.7

Note: 1. "NA" or "--" = not analyzed
2. Only detected volatile and semivolatile compounds are liste
3. Compounds exceeding Part 375 SCO for commercial use ar

TABLE 7B
132 DINGENS STREET - BCP REMEDIAL INVESTIGATION
ANALYTICAL DATA - GEOPROBE SOIL BORING SAMPLES
(SAMPLED 7/23/12, 7/24/12 and 9/21/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		GS#38	GS#39	GS#39	GS#40	GS#40	MW#7A	GS#20A	GS#20A
	COMMERCIAL	INDUSTRIAL	Eastern End						North West	
VOLATILE ORGANICS (VOCs, ug/Kg)										
DEPTH INTERVAL (ft)										
Percent Solids (%)	--	--								
2-Hexanone	--	--								
Acetone	100,000	1,000,000								
Benzene	4,800	89,000								
Carbon disulfide	--	--								
Cyclohexane	--	--								
Ethylbenzene	41,000	780,000								
Isopropylbenzene	100,000	1,000,000	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	100,000	1,000,000								
Toluene	100,000	1,000,000								
Methylcyclohexane	--	--								
Methylene Chloride	100,000	1,000,000								
Tetrachloroethene	3,500	300,000								
Trichloroethene	21,000	400,000								
Total Xylenes	100,000	1,000,000								
TOTAL VOCs										
PESTICIDES (ug/Kg)										
DEPTH INTERVAL (ft)			*4-6*	*0-2*	*4-6*	*0-2*	*4-6*			
Percent Solids (%)			*90.1*	*83.2*	*78.4*	*82*	*69*			
4,4'-DDE	62,000	120,000								
4,4'-DDT	47,000	94,000		39 J		80 J				
Dieldrin	1,400	2,800								
Endosulfan II	200,000	920,000						NA	NA	NA
Endrin	89,000	410,000								
Methoxychlor	--	--		69 J						
TOTAL PEST			**ND**	**108**	**ND**	**80**	**ND**			
PCBs (ug/Kg)										
DEPTH INTERVAL (ft)			*4-6*	*0-2*	*4-6*	*0-2*	*4-6*			
Percent Solids (%)			*90.1*	*83.1*	*78.4*	*82*	*69*			
Aroclor 1248										
Aroclor 1254	1,000	25,000						NA	NA	NA
Aroclor 1260				120 J		310				
TOTAL PCBs	1,000	25,000	**ND**	**120**	**ND**	**310**	**ND**			

TABLE 7B
132 DINGENS STREET - BCP REMEDIAL INVESTIGATION
ANALYTICAL DATA - GEOPROBE SOIL BORING SAMPLES
(SAMPLED 7/23/12, 7/24/12 and 9/21/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		GS#38	GS#39	GS#39	GS#40	GS#40	MW#7A	GS#20A	GS#20A
	COMMERCIAL	INDUSTRIAL	Eastern End						North West	
SEMIVOLATILE ORGANICS (SVOCs, ug/Kg)										
DEPTH INTERVAL (ft)			*4-6*	*0-2*	*4-6*	*0-2*	*4-6*			
Percent Solids (%)	--	--	*90.1*	*83.2*	*78.4*	*82*	*69*			
Biphenyl	--	--	190 J							
2-Methylnaphthalene	--	--	630 J	37 J	29 J	94 J				
3 & 4-Methylphenol	--	--								
Acenaphthene	500,000	1,000,000	2500 J	84 J	26 J	190 J	24 J			
Acenaphthylene	500,000	1,000,000		36 J		470 J				
Acetophenone	--	--								
Anthracene	500,000	1,000,000	4000	280 J	120 J	1300 J	180 J			
Benzaldehyde	--	--			27 J					
Benzo(a)anthracene	5,600	11,000	5400	1300	530	5200	670			
Benzo(a)pyrene	1,000	1,100	4900	1400	470	4800	590			
Benzo(b)fluoranthene	5,600	11,000	4800	1400	530	5600	720			
Benzo(g,h,i)perylene	500,000	1,000,000	2400 J	560	220 J	1900 J	190 J			
Benzo(k)fluoranthene	56,000	110,000	4800	1500	520	5000	610			
Bis(2-ethylhexyl) phthalate	--	--		110 J	170 J	210 J	150 J	NA	NA	NA
Butyl benzyl phthalate	--	--					40 J			
Carbazole	--	--	1800 J	140 J	45 J	370 J	27 J			
Chrysene	56,000	110,000	5600	1600	620	5400	680			
Dibenz(a,h)anthracene	560	1,100		140 J		810 J				
Dibenzofuran	--	--	1500 J	59 J	23 J	190 J				
Di-n-butyl phthalate	--	--		180 J		120 J				
Fluoranthene	500,000	1,000,000	15000	2300	820	11000	1100			
Fluorene	500,000	1,000,000	2100 J	85 J	25 J	410 J	44 J			
Indeno(1,2,3-cd)pyrene	5,600	11,000	2100 J	610	240 J	2100	260 J			
Naphthalene	500,000	1,000,000	1500 J	51 J	33 J	140 J				
Phenanthrene	500,000	1,000,000	18000	1400	510	5400	710			
Pyrene	500,000	1,000,000	14000	3000	1300	9500	1400			
TOTAL SVOCs			**91,220**	**16,272**	**6,258**	**60,204**	**7,395**			

TABLE 7B
132 DINGENS STREET - BCP REMEDIAL INVESTIGATION
ANALYTICAL DATA - GEOPROBE SOIL BORING SAMPLES
(SAMPLED 7/23/12, 7/24/12 and 9/21/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		GS#38	GS#39	GS#39	GS#40	GS#40	MW#7A	GS#20A	GS#20A
	COMMERCIAL	INDUSTRIAL	Eastern End						North West	
METALS (mg/Kg)										
DEPTH INTERVAL (ft)			*4-6*	*0-2*	*4-6*	*0-2*	*4-6*	*5-7*	*2-4*	*5-7*
Percent Solids (%)			*90.1*	*83.2*	*78.4*	*82*	*69*	*72.2*	*86.4*	*78.4*
Aluminum	--	--	3260	7210	3890	7270	6860			
Antimony	--	--	4.3 J	2.4 J		7.0 J				
Arsenic	16	16	10.8	22	11.9	26.1	12.5			
Barium	400	10,000	218	669	2120	1150	217			
Beryllium	590	2,700	0.33	1.1	0.47	0.86	0.68			
Cadmium	9.3	60	3	3.4	2	8.4	0.49			
Calcium	--	--	9320 B	14500 B	6390 B	23600 B	89800 B			
Chromium	1,500	6,800	15.7	27	12.3	28.7	11			
Cobalt	--	--	2.5	6.1	3.7	6.9	7.2			
Copper	270	10,000	112	197	94.7	171	43			
Iron	--	--	15600 B	20100 B	21600 B	30900 B	21700 B			
Lead	1,000	3,900	2630	2240	941	2880	258	NA	NA	NA
Magnesium	--	--	1770 B	2680 B	687 B	5270 B	31500 B			
Manganese	10,000	10,000	231	506	160	536	404			
Nickel	310	10,000	10	28.1	11.1	24.5	17.3			
Potassium	--	--	348	892	496	980	1080			
Selenium	1,500	6,800	1.4 J	2.5 J	1.8 J	2.1 J	0.93 J			
Silver	1,500	6,800	0.30 J	5	0.29 J	0.64				
Sodium	--	--	90.1 J	266	313	183	1720			
Thallium	--	--								
Vanadium	--	--	10.1	26.1	14.8	23.6	24.5			
Zinc	10,000	10,000	995 B	975 B	1410 B	13100 B	278 B			
Mercury	2.8	5.7	0.3	0.71	0.32	0.6	0.25			
Total Lead (mg/Kg)	1,000	3,900						25800	2220	837
TCLP Lead (mg/L)	5							34.4	0.35	0.56
Total Cyanide (mg/Kg)	27	10,000	0.60 J		0.84 J	1.5	0.95 J			

Note: 1. "NA" or "--" = not analyzed
2. Only detected volatile and semivolatile compounds are liste
3. Compounds exceeding Part 375 SCO for commercial use ar

TABLE 8
132 DINGENS STREET - BCP SITE INVESTIGATION
ANALYTICAL DATA - TEST PIT SURFACE SOIL SAMPLES
(SAMPLED 9/25/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		TS#8	TS#9	TS#10	TS#11	TS#12	TS#13	TS#14	TS#15	TS#17
	COMMERCIAL	INDUSTRIAL	East End				North Center		West End		
VOLATILE ORGANICS (VOCs, ug/Kg)											
DEPTH INTERVAL (in)											
Percent Solids (%)	--	--									
2-Hexanone	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	100,000	1,000,000									
Benzene	4,800	89,000									
Carbon disulfide	--	--									
Cyclohexane	--	--									
Ethylbenzene	41,000	780,000									
Isopropylbenzene	100,000	1,000,000									
2-Butanone (MEK)	100,000	1,000,000									
Toluene	100,000	1,000,000									
Methylcyclohexane	--	--									
Methylene Chloride	100,000	1,000,000									
Tetrachloroethene	3,500	300,000									
Trichloroethene	21,000	400,000									
Total Xylenes	100,000	1,000,000									
TOTAL VOCs			NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES (ug/Kg)											
DEPTH INTERVAL (in)			*0-2"*	*0-2"*	*0-2"*	*0-2"*	*0-2"*	*0-2"*	*0-2"*	*0-2"*	*0-2"*
Percent Solids (%)			*71.6*	*72.9*	*63.8*	*73.7*	*90.7*	*66.1*	*70.2*	*83.9*	*69.3*
4,4'-DDE	62,000	120,000				330 J					
4,4'-DDT	47,000	94,000		46 J	78 J		74 J	110 J	100 J		180 J
beta-BHC	3,000	14,000								65 J	
Endosulfan I	200,000	920,000								380	
Endosulfan II	200,000	920,000			24 J					51 J	44 J
Endrin	89,000	410,000	33 J	31 J							120 J
gamma-BHC (Lindane)	9,200	23,000								230	
Heptachlor	15,000	29,000								160 J	
Methoxychlor	--	--			72 J						
TOTAL PEST			**33**	**77**	**174**	**330**	**74**	**110**	**100**	**886**	**344**
PCBs (ug/Kg)											
DEPTH INTERVAL (in)			*0-2"*	*0-2"*	*0-2"*	*0-2"*	*0-2"*	*0-2"*	*0-2"*	*0-2"*	*0-2"*
Percent Solids (%)			*71.6*	*72.9*	*63.8*	*73.7*	*90.7*	*66.1*	*70.2*	*83.9*	*69.3*
Aroclor 1248	1,000	25,000								59000	
Aroclor 1260									200 J		370
TOTAL PCBs	1,000	25,000	**ND**	**ND**	**250**	**ND**	**ND**	**ND**	**200**	**59,000**	**ND**

TABLE 8
132 DINGENS STREET - BCP SITE INVESTIGATION
ANALYTICAL DATA - TEST PIT SURFACE SOIL SAMPLES
(SAMPLED 9/25/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		TS#8	TS#9	TS#10	TS#11	TS#12	TS#13	TS#14	TS#15	TS#17
	COMMERCIAL	INDUSTRIAL	East End				North Center		West End		
SEMIVOLATILE ORGANICS (SVOCs, ug/Kg)											
DEPTH INTERVAL (in)			*0-2"*	*0-2"*	*0-2"*	*0-2"*	*0-2"*	*0-2"*	*0-2"*	*0-2"*	*0-2"*
Percent Solids (%)	--	--	*71.6*	*72.9*	*63.8*	*73.7*	*90.7*	*66.1*	*70.2*	*83.9*	*69.3*
Biphenyl	--	--					310 J			2000 J	
2-Methylnaphthalene	--	--	94 J	47 J	160 J		410 J	150 J	140 J	6800 J	
3 & 4-Methylphenol	--	--									
Acenaphthene	500,000	1,000,000	230 J		430 J	2200 J	1100 J	410 J	450 J	25000 J	1000 J
Acenaphthylene	500,000	1,000,000		43 J			240 J				
Acetophenone	--	--									
Anthracene	500,000	1,000,000	700 J	260 J	1200 J	6000 J	3200 J	1300 J	1600 J	54000	3200 J
Benzaldehyde	--	--									
Benzo(a)anthracene	5,600	11,000	3000	2400	5400	26000	9600	4600	6200	72000	20000
Benzo(a)pyrene	1,000	1,100	3100	1900	5500	31000	8000	4600	5900	56000	19000
Benzo(b)fluoranthene	5,600	11,000	3400	2600	6700	36000	9000	5700	6700	46000	28000
Benzo(g,h,i)perylene	500,000	1,000,000	1700	970	4100	25000	4800	2900	4600	29000	9700
Benzo(k)fluoranthene	56,000	110,000	3600	1800	4500	28000	7700	3800	5300	55000	21000
Bis(2-ethylhexyl) phthalate	--	--	200 J	64 J	560 J						
Butyl benzyl phthalate	--	--									
Carbazole	--	--	280 J		650 J	4600 J	1600 J	610 J	940 J	23000 J	2300 J
Chrysene	56,000	110,000	3200	2300	6000	31000	9600	4900	6700	69000	28000
Dibenz(a,h)anthracene	560	1,100	630 J	410 J	1400 J	6500 J	1600 J	1000 J	1500 J	12000 J	2200 J
Dibenzofuran	--	--	170 J		290 J	1100 J	1100 J	350 J	310 J	18000 J	750 J
Di-n-butyl phthalate	--	--	42 J								
Fluoranthene	500,000	1,000,000	4300	4100	8500	48000	15000	7400	8400	150000	34000
Fluorene	500,000	1,000,000	340 J	62 J	450 J	2100 J	1600 J	540 J	530 J	28000	1000 J
Indeno(1,2,3-cd)pyrene	5,600	11,000	1600	950	3700	20000	4600	2700	4100	27000	13000
Naphthalene	500,000	1,000,000	110 J	32 J	340 J	600 J	840 J	210 J	160 J	19000 J	710 J
Phenanthrene	500,000	1,000,000	3200	880	5000	30000	15000	5700	6600	180000	18000
Pyrene	500,000	1,000,000	6500	5800	11000	74000	26000	11000	12000	160000	50000
TOTAL SVOCs			**36,396**	**24,618**	**65,880**	**372,100**	**121,300**	**57,870**	**72,130**	**1,031,800**	**251,860**

TABLE 8
132 DINGENS STREET - BCP SITE INVESTIGATION
ANALYTICAL DATA - TEST PIT SURFACE SOIL SAMPLES
(SAMPLED 9/25/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		TS#8	TS#9	TS#10	TS#11	TS#12	TS#13	TS#14	TS#15	TS#17
	COMMERCIAL	INDUSTRIAL	East End				North Center		West End		
METALS (mg/Kg)											
DEPTH INTERVAL (in)			*0-2"*	*0-2"*	*0-2"*	*0-2"*	*0-2"*	*0-2"*	*0-2"*	*0-2"*	*0-2"*
Percent Solids (%)			*71.6*	*72.9*	*63.8*	*73.7*	*90.7*	*66.1*	*70.2*	*83.9*	*69.3*
Aluminum	--	--	8400 B	8100 B	5660 B	5710 B	7900 B	8240 B	10600 B	5880	3580
Antimony	--	--	1.5 J		32.8	11.0 J		0.72 J	1.3 J	1.2 J	5.2 J
Arsenic	16	16	13.4	6.3	23.1	17.8	13.5	23.7	12.1	11.3	38.5
Barium	400	10,000	453	113	1290	165	238	286	277	284	256
Beryllium	590	2,700	0.85	0.57	0.74	0.69	0.8	0.79	0.82	0.63	0.53
Cadmium	9.3	60	1.9	0.45	3.6	1.9	1.6	1.9	1.7	3.2	6.3
Calcium	--	--	28300 B	41700 B	15700 B	126000 B	28100 B	27500 B	73100 B	77000 B	31900 B
Chromium	1,500	6,800	29.6	13.4	24.7	76.8	21.4	23.5	140	165	52
Cobalt	--	--	8	6.6	4.7	4.8	6.1	7.8	5.7	5.5	6.8
Copper	270	10,000	123	147	139	304	76.8	132	111	184	166
Iron	--	--	23600 B	16000 B	17200 B	25800 B	20400 B	29600 B	28900 B	31700 B	39500 B
Lead	1,000	3,900	1010	133	1430	332	515	1120	821	796	506
Magnesium	--	--	7540 B	12500 B	3310 B	13300 B	7160 B	7230 B	6760 B	15400	2740
Manganese	10,000	10,000	626 B	302 B	395 B	2310 B	486 B	503 B	4710 B	5220 B	439 B
Nickel	310	10,000	23.6	17.1	20.6	27.5	20.7	24.8	19.7	27.1	48.9
Potassium	--	--	1830	1730	1140	1330	1620	1630	1890	1210	666
Selenium	1,500	6,800	2.5 J	0.86 J	1.8 J	2.3 J	1.8 J	2.0 J	4.3 J	5.2	2.4 J
Silver	1,500	6,800	0.39 J		0.75 J	0.35 J	0.27 J	0.45 J	0.41 J	0.62	0.40 J
Sodium	--	--	157 J	299	135 J	258	135 J	167 J	173 J	197	119 J
Thallium	--	--							0.80 J		
Vanadium	--	--	24.1	20.2	18	41.6	20.3	23	78.6	74.3	19.1
Zinc	10,000	10,000	1610 B	187 B	14300 B	1230 B	593 B	740 B	559 B	1330 B	1020 B
Mercury	2.8	5.7	1.6	0.094	0.91	0.22	0.38	0.91	0.46	0.38	0.78
Total Lead (mg/Kg)	1,000	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Lead (mg/L)	5										
Total Cyanide (mg/Kg)	27	10,000	1.2 J		1.8	0.89 J	1.2	1.0 J	0.90 J	0.74 J	3

TABLE 9
132 DINGENS STREET - BCP REMEDIAL INVESTIGATiON
ANALYTICAL DATA - TEST PIT SOIL SAMPLES
(SAMPLED 7/25/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		TS#1A	TS#4A	TS#4A	TS#4A	TS#8	TS#8	TS#8	TS#9	TS#9
	COMMERCIAL	INDUSTRIAL	East	North Center			East End				
VOLATILE ORGANICS (VOCs, ug/Kg)											
DEPTH INTERVAL (ft)								*2*			
Percent Solids (%)	--	--						*72.5*			
2-Hexanone	--	--									
Acetone	100,000	1,000,000									
Benzene	4,800	89,000									
Carbon disulfide	--	--									
Cyclohexane	--	--									
Ethylbenzene	41,000	780,000	NA	NA	NA	NA	NA		NA	NA	NA
Isopropylbenzene	100,000	1,000,000									
2-Butanone (MEK)	100,000	1,000,000									
Toluene	100,000	1,000,000									
Methylcyclohexane	--	--									
Methylene Chloride	100,000	1,000,000									
Tetrachloroethene	3,500	300,000									
Trichloroethene	21,000	400,000						2.4 J			
Total Xylenes	100,000	1,000,000									
TOTAL VOCs								**2.4**			
PESTICIDES (ug/Kg)											
DEPTH INTERVAL (ft)							*0*	*2*		*0*	*2 - 8*
Percent Solids (%)							*71.6*	*72.5*		*72.9*	*82 8*
4,4'-DDE	62,000	120,000									
4,4'-DDT	47,000	94,000								46 J	
beta-BHC	3,000	14,000									
Dieldrin	1,400	2,800									
Endosulfan I	200,000	920,000	NA	NA	NA	NA					
Endosulfan II	200,000	920,000							NA		
Endrin	89,000	410,000					33 J			31 J	27 J
gamma-BHC (Lindane)	9,200	23,000									
gamma-Chlordane	24,000	47,000									
Heptachlor	15,000	29,000									
Methoxychlor	--	--									
TOTAL PEST							**33**	**ND**		**77**	**27**
PCBs (ug/Kg)											
DEPTH INTERVAL (ft)							*0*	*2*		*0*	*2 - 8*
Percent Solids (%)							*71.6*	*72.5*		*72.9*	*82 8*
Aroclor 1242								280 J			
Aroclor 1248	1,000	25,000	NA	NA	NA	NA			NA		
Aroclor 1254											
Aroclor 1260											
TOTAL PCBs	1,000	25,000					**ND**	**280**		**ND**	**ND**

TABLE 9
132 DINGENS STREET - BCP REMEDIAL INVESTIGATiON
ANALYTICAL DATA - TEST PIT SOIL SAMPLES
(SAMPLED 7/25/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		TS#1A	TS#4A	TS#4A	TS#4A	TS#8	TS#8	TS#8	TS#9	TS#9
	COMMERCIAL	INDUSTRIAL	East	North Center			East End				
SEMIVOLATILE ORGANICS (SVOCs, ug/Kg)											
DEPTH INTERVAL (ft)							*0*	*2*	*6 - 7*	*0*	*2 - 8*
Percent Solids (%)	--	--					*71.6*	*72.5*	*74.5*	*72.9*	*82.8*
Biphenyl	--	--							45 J		
2-Methylnaphthalene	--	--					94 J	100 J	120 J	47 J	
3 & 4-Methylphenol	--	--									
Acenaphthene	500,000	1,000,000					230 J	270 J	63 J		
Acenaphthylene	500,000	1,000,000						52 J		43 J	
Acetophenone	--	--									
Anthracene	500,000	1,000,000					700 J	1200	85 J	260 J	110 J
Benzaldehyde	--	--									
Benzo(a)anthracene	5,600	11,000					3000	3600	160 J	2400	300 J
Benzo(a)pyrene	1,000	1,100					3100	3200	120 J	1900	280 J
Benzo(b)fluoranthene	5,600	11,000					3400	3300	130 J	2600	400 J
Benzo(g,h,i)perylene	500,000	1,000,000	NA	NA	NA	NA	1700	2100	94 J	970	240 J
Benzo(k)fluoranthene	56,000	110,000					3600	2700	130 J	1800	270 J
Bis(2-ethylhexyl) phthalate	--	--					200 J			64 J	
Butyl benzyl phthalate	--	--									
Carbazole	--	--					280 J	370 J			
Chrysene	56,000	110,000					3200	3900	180 J	2300	340 J
Dibenz(a,h)anthracene	560	1,100					630 J	730 J		410 J	97 J
Dibenzofuran	--	--					170 J	240 J	120 J		46 J
Di-n-butyl phthalate	--	--					42 J				
Fluoranthene	500,000	1,000,000					4300	5900	290 J	4100	490 J
Fluorene	500,000	1,000,000					340 J	480 J	100 J	62 J	45 J
Indeno(1,2,3-cd)pyrene	5,600	11,000					1600	1800	77 J	950	200 J
Naphthalene	500,000	1,000,000					110 J	140 J	180 J	32 J	
Phenanthrene	500,000	1,000,000					3200	4900	340 J	880	390 J
Pyrene	500,000	1,000,000					6500	9200	500 J	5800	620 J
TOTAL SVOCs							**36,396**	**44,182**	**2,734**	**24,618**	**3,828**

TABLE 9
132 DINGENS STREET - BCP REMEDIAL INVESTIGATiON
ANALYTICAL DATA - TEST PIT SOIL SAMPLES
(SAMPLED 7/25/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		TS#1A	TS#4A	TS#4A	TS#4A	TS#8	TS#8	TS#8	TS#9	TS#9
	COMMERCIAL	INDUSTRIAL	East	North Center			East End				
METALS (mg/Kg)											
DEPTH INTERVAL (ft)			*2-4*	*0-2*	*2-4*	*5-7*	*0*	*2*	*6 - 7*	*0*	*2 - 8*
Percent Solids (%)			*77.4*	*92.5*	*80.7*	*75.7*	*71.6*	*72.5*	*74.5*	*72.9*	*82 8*
Aluminum	--	--					8400 B	10300 B	3860 B	8100 B	3610 B
Antimony	--	--					1.5 J	2.0 J			4460
Arsenic	16	16					13.4	22.8	11.4	6.3	43.6
Barium	400	10,000					453	816	191	113	954
Beryllium	590	2,700					0.85	1.3	0.42	0.57	0.38
Cadmium	9.3	60					1.9	3.4	0.47	0.45	3.6
Calcium	--	--					28300 B	33900 B	183000 B	41700 B	15700 B
Chromium	1,500	6,800					29.6	32.8	8.2	13.4	13.6
Cobalt	--	--					8	9.1	4.4	6.6	3.6
Copper	270	10,000					123	263	31.9	147	1290
Iron	--	--					23600 B	51400 B	18700 B	16000 B	14000 B
Lead	1,000	3,900	NA	NA	NA	NA	1010	2760	241	133	93500
Magnesium	--	--					7540 B	4470 B	5910 B	12500 B	2070 B
Manganese	10,000	10,000					626 B	749 B	580 B	302 B	384 B
Nickel	310	10,000					23.6	27.8	11.8	17.1	17.6
Potassium	--	--					1830	1340	776	1730	548
Selenium	1,500	6,800					2.5 J	4.7 J	1.2 J	0.86 J	2.1 J
Silver	1,500	6,800					0.39 J	1.2			17.2
Sodium	--	--					157 J	346	179	299	514
Thallium	--	--									
Vanadium	--	--					24.1	29.3	14.7	20.2	19
Zinc	10,000	10,000					1610 B	1820 B	672 B	187 B	1120 B
Mercury	2.8	5.7					1.6	0.6	0.16	0.094	0.25
Total Lead (mg/Kg)	1,000	3,900	2060	12500	1810	8240	NA	NA	NA	NA	NA
TCLP Lead (mg/L)	5		1.3	9.9	1.4	33					
Total Cyanide (mg/Kg)	27	10,000					1.2 J	1.1 J	NA		1.4

Note: 1. "NA" or "--" = not analyzed
2. Only detected volatile and semivolatile compounds are listed; all metals analyzed are listed
3. Compounds exceeding Part 375 SCO for commercial use are shown in bold numbers.

TABLE 9
132 DINGENS STREET - BCP REMEDIAL INVESTIGATiON
ANALYTICAL DATA - TEST PIT SOIL SAMPLES
(SAMPLED 7/25/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		TS#10	TS#10	TS#10	TS#11	TS#11	TS#11	TS#12	TS#12	TS#12	TS#13	TS#13	TS#13
	COMMERCIAL	INDUSTRIAL	East End						North Center					
VOLATILE ORGANICS (VOCs, ug/Kg)														
DEPTH INTERVAL (ft)							*1 - 4*							
Percent Solids (%)	--	--					*75.3*							
2-Hexanone	--	--												
Acetone	100,000	1,000,000												
Benzene	4,800	89,000												
Carbon disulfide	--	--												
Cyclohexane	--	--												
Ethylbenzene	41,000	780,000	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	100,000	1,000,000												
2-Butanone (MEK)	100,000	1,000,000												
Toluene	100,000	1,000,000												
Methylcyclohexane	--	--												
Methylene Chloride	100,000	1,000,000												
Tetrachloroethene	3,500	300,000												
Trichloroethene	21,000	400,000					2.5 J							
Total Xylenes	100,000	1,000,000												
TOTAL VOCs							**2.5**							
PESTICIDES (ug/Kg)														
DEPTH INTERVAL (ft)			*0*			*0*	*1 - 4*	*5 - 8*	*0*	*0 - 2*	*2 - 8*	*0*	*0 - 2*	*2 - 8*
Percent Solids (%)			*63.8*			*73.7*	*75.3*	*89.9*	*90.7*	*79.4*	*83.1*	*66.1*	*72.8*	*73.9*
4,4'-DDE	62,000	120,000				330 J	100 J	76 J						
4,4'-DDT	47,000	94,000	78 J				160 J		74 J	86 J		110 J		
beta-BHC	3,000	14,000												
Dieldrin	1,400	2,800					73 J	82 J						
Endosulfan I	200,000	920,000		NA	NA									
Endosulfan II	200,000	920,000	24 J											
Endrin	89,000	410,000									11 J		94 J	17 J
gamma-BHC (Lindane)	9,200	23,000												
gamma-Chlordane	24,000	47,000					140 J							17 J
Heptachlor	15,000	29,000												
Methoxychlor	--	--	72 J											
TOTAL PEST			**174**			**330**	**473**	**158**	**74**	**86**	**11**	**110**	**94**	**34**
PCBs (ug/Kg)														
DEPTH INTERVAL (ft)			*0*			*0*	*1 - 4*	*5 - 8*	*0*	*0 - 2*	*2 - 8*	*0*	*0 - 2*	*2 - 8*
Percent Solids (%)			*63.8*			*73.7*	*75.3*	*89.9*	*90.7*	*79.4*	*83.1*	*66.1*	*72.8*	*73.9*
Aroclor 1242			79 J											
Aroclor 1248	1,000	25,000		NA	NA									
Aroclor 1254														
Aroclor 1260							250	710						
TOTAL PCBs	1,000	25,000	**79**			**ND**	**250**	**710**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**

TABLE 9
132 DINGENS STREET - BCP REMEDIAL INVESTIGATiON
ANALYTICAL DATA - TEST PIT SOIL SAMPLES
(SAMPLED 7/25/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		TS#10	TS#10	TS#10	TS#11	TS#11	TS#11	TS#12	TS#12	TS#12	TS#13	TS#13	TS#13
	COMMERCIAL	INDUSTRIAL	East End						North Center					
SEMIVOLATILE ORGANICS (SVOCs, ug/Kg)														
DEPTH INTERVAL (ft)			*0*	*2 - 4*	*4 - 7*	*0*	*1 - 4*	*5 - 8*	*0*	*0 - 2*	*2 - 8*	*0*	*0 - 2*	*2 - 8*
Percent Solids (%)	--	--	*63.8*	*68.2*	*88.7*	*73.7*	*75.3*	*89.9*	*90.7*	*79.4*	*83.1*	*66.1*	*72.8*	*73.9*
Biphenyl	--	--		22 J			22 J		310 J	210 J				
2-Methylnaphthalene	--	--	160 J	89 J	83 J		68 J	50 J	410 J	680 J		150 J	1600 J	
3 & 4-Methylphenol	--	--												
Acenaphthene	500,000	1,000,000	430 J			2200 J	140 J	110 J	1100 J	1100 J		410 J	4000 J	37 J
Acenaphthylene	500,000	1,000,000					53 J		240 J				460 J	
Acetophenone	--	--												
Anthracene	500,000	1,000,000	1200 J	55 J		6000 J	440	280 J	3200 J	3200		1300 J	12000	150 J
Benzaldehyde	--	--												
Benzo(a)anthracene	5,600	11,000	5400	470 J	78 J	26000	1500	1500	9600	6900	80 J	4600	28000	630 J
Benzo(a)pyrene	1,000	1,100	5500	400 J	53 J	31000	1500	1700	8000	5900	81 J	4600	20000	750 J
Benzo(b)fluoranthene	5,600	11,000	6700	620	75 J	36000	2000	2400	9000	5800	120 J	5700	23000	930
Benzo(g,h,i)perylene	500,000	1,000,000	4100	230 J	31 J	25000	1300	1500	4800	2300 J	85 J	2900	12000	690 J
Benzo(k)fluoranthene	56,000	110,000	4500	570	84 J	28000	1200	1500	7700	5300	92 J	3800	21000	870
Bis(2-ethylhexyl) phthalate	--	--	560 J	44 J	35 J		140 J	160 J						
Butyl benzyl phthalate	--	--					30 J							
Carbazole	--	--	650 J	40 J		4600 J	230 J	110 J	1600 J	1500 J		610 J	6400 J	100 J
Chrysene	56,000	110,000	6000	690	120 J	31000	1500	1800	9600	6700	100	4900	33000	1000
Dibenz(a,h)anthracene	560	1,100	1400 J	110 J	14 J	6500 J	550	390 J	1600 J	1100 J	30 J	1000 J	5400 J	210 J
Dibenzofuran	--	--	290 J	57 J	25 J	1100 J	110 J	57 J	1100 J	1200 J		350 J	3300 J	83 J
Di-n-butyl phthalate	--	--		43 J			43 J	55 J						
Fluoranthene	500,000	1,000,000	8500	430 J	43 J	48000	2100	1900	15000	11000	74 J	7400	47000	1300
Fluorene	500,000	1,000,000	450 J	23 J		2100 J	220 J	86 J	1600 J	1600 J		540 J	5500 J	75 J
Indeno(1,2,3-cd)pyrene	5,600	11,000	3700	210 J	26 J	20000	1100	1200	4600	3100	81 J	2700	12000	580 J
Naphthalene	500,000	1,000,000	340 J	120 J	40 J	600 J	100 J	57 J	840 J	1900 J		210 J	2600 J	44 J
Phenanthrene	500,000	1,000,000	5000	350 J	120 J	30000	1800	1300	15000	13000	56 J	5700	52000	1400
Pyrene	500,000	1,000,000	11000	840	100 J	74000	3200	4100	26000	16000	150 J	11000	61000	2300
TOTAL SVOCs			**65,880**	**5,413**	**927**	**372,100**	**19,346**	**20,255**	**121,300**	**88,490**	**949**	**57,870**	**350,260**	**11,149**

TABLE 9
132 DINGENS STREET - BCP REMEDIAL INVESTIGATiON
ANALYTICAL DATA - TEST PIT SOIL SAMPLES
(SAMPLED 7/25/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		TS#10	TS#10	TS#10	TS#11	TS#11	TS#11	TS#12	TS#12	TS#12	TS#13	TS#13	TS#13
	COMMERCIAL	INDUSTRIAL	East End						North Center					
METALS (mg/Kg)														
DEPTH INTERVAL (ft)			*0*	*2 - 4*	*4 - 7*	*0*	*1 - 4*	*5 - 8*	*0*	*0 - 2*	*2 - 8*	*0*	*0 - 2*	*2 - 8*
Percent Solids (%)			*63.8*	*68.2*	*88.7*	*73.7*	*75.3*	*89.9*	*90.7*	*79.4*	*83.1*	*66.1*	*72.8*	*73.9*
Aluminum	--	--	5660 B	3160 B	2400 B	5710 B	3900 B	3240 B	7900 B	7950 B	4770 B	8240 B	4060 B	7110 B
Antimony	--	--	32.8	9.4 J	1.8 J	11.0 J	0.50 J	1.1 J		0.65 J		0.72 J	11.9 J	2.0 J
Arsenic	16	16	23.1	18.2	11.6	17.8	11.8	6.6	13.5	18.9	18	23.7	167	274
Barium	400	10,000	1290	421	75.5	165	116	135	238	440	298	286	871	931
Beryllium	590	2,700	0.74	0.92	0.57	0.69	0.34	0.27	0.8	0.98	0.58	0.79	0.44	1.8
Cadmium	9.3	60	3.6	0.6	0.076 J	1.9	5.4	1.2	1.6	2.4	2.2	1.9	3.7	7.2
Calcium	--	--	15700 B	4150 B	3380 B	126000 B	11500 B	13600 B	28100 B	35900 B	2710 B	27500 B	31700 B	72900 B
Chromium	1,500	6,800	24.7	11.2	2.8	76.8	18.7	12.1	21.4	24.8	14.3	23.5	42.9	15.9
Cobalt	--	--	4.7	6.8	3.2	4.8	3.2	2.4	6.1	7.7	16.3	7.8	10	7.7
Copper	270	10,000	139	201	41.1	304	2400	92.8	76.8	139	2030	132	225	117
Iron	--	--	17200 B	33800 B	20200 B	25800 B	17900 B	9680 B	20400 B	22900 B	134000 B	29600 B	136000 B	26300
Lead	1,000	3,900	1430	262	29.5	332	307	414	515 B	1630	1530	1120	1600	706
Magnesium	--	--	3310 B	478 B	206 B	13300 B	1730 B	2990 B	7160 B	6310 B	206 B	7230 B	3280 B	2130 B
Manganese	10,000	10,000	395 B	64.8 B	34.2 B	2310 B	315 B	235 B	486 B	547 B	236 B	503 B	810 B	1220 B
Nickel	310	10,000	20.6	20.2	8.7	27.5	20.7	10.9	20.7	25.7	36.1	24.8	38.8	38.8
Potassium	--	--	1140	365	366	1330	496	499	1620	1180	400	1630	594	1060
Selenium	1,500	6,800	1.8 J	1.8 J	1.3 J	2.3 J	1.1 J	0.89 J	1.8 J	2.1 J	4.1 J	2.0 J	3.6 J	3.1 J
Silver	1,500	6,800	0.75 J			0.35 J	0.49 J		0.27 J	0.31 J	0.75 J	0.45 J		
Sodium	--	--	135 J	124 J	90.5 J	258	84.1 J	71.8 J	135 J	161 J	593	167 J	356	1020
Thallium	--	--												0.86 J
Vanadium	--	--	18	16.8	9	41.6	11.5	8.7	20.3	23.8	30.8	23	20.6	38.7
Zinc	10,000	10,000	14300 B	201 B	26.2 B	1230 B	426 B	279 B	593 B	834 B	1710 B	740 B	1280 B	2870 B
Mercury	2.8	5.7	0.91	0.06	0.014 J	0.22	0.51	0.15	0.38	0.7	0.34	0.91	5.8	0.46
Total Lead (mg/Kg)	1,000	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Lead (mg/L)	5									0.2	7.6			0.52
Total Cyanide (mg/Kg)	27	10,000	1.8	NA	NA	0.89 J	1.0 J	0.55 J	1.2	0.99 J	1.1 J	1.0 J	1.8	1.1 J

Note: 1. "NA" or "--" = not analyzed
2. Only detected volatile and semivolatile compounds are listed; a
3. Compounds exceeding Part 375 SCO for commercial use are s

TABLE 9
132 DINGENS STREET - BCP REMEDIAL INVESTIGATiON
ANALYTICAL DATA - TEST PIT SOIL SAMPLES
(SAMPLED 7/25/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		TS#14	TS#14	TS#14	TS#15	TS#15	TS#15	TS#16	TS#16	TS#17	TS#17	TS#17
	COMMERCIAL	INDUSTRIAL	West End										
VOLATILE ORGANICS (VOCs, ug/Kg)													
DEPTH INTERVAL (ft)													
Percent Solids (%)	--	--											
2-Hexanone	--	--											
Acetone	100,000	1,000,000											
Benzene	4,800	89,000											
Carbon disulfide	--	--											
Cyclohexane	--	--											
Ethylbenzene	41,000	780,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	100,000	1,000,000											
2-Butanone (MEK)	100,000	1,000,000											
Toluene	100,000	1,000,000											
Methylcyclohexane	--	--											
Methylene Chloride	100,000	1,000,000											
Tetrachloroethene	3,500	300,000											
Trichloroethene	21,000	400,000											
Total Xylenes	100,000	1,000,000											
TOTAL VOCs													
PESTICIDES (ug/Kg)													
DEPTH INTERVAL (ft)			*0*			*0*					*0*	*0 - 2*	
Percent Solids (%)			*70.2*			*83.9*					*69.3*	*80.2*	
4,4'-DDE	62,000	120,000											
4,4'-DDT	47,000	94,000	100 J								180 J	160 J	
beta-BHC	3,000	14,000				65 J							
Dieldrin	1,400	2,800											
Endosulfan I	200,000	920,000		NA	NA	380	NA	NA	NA	NA			NA
Endosulfan II	200,000	920,000				51 J					44 J		
Endrin	89,000	410,000									120 J	100 J	
gamma-BHC (Lindane)	9,200	23,000				230							
gamma-Chlordane	24,000	47,000											
Heptachlor	15,000	29,000				160 J							
Methoxychlor	--	--											
TOTAL PEST			**100**			**886**					**344**	**260**	
PCBs (ug/Kg)													
DEPTH INTERVAL (ft)			*0*			*0*					*0*	*0 - 2*	
Percent Solids (%)			*70.2*			*83.9*					*69.3*	*80.2*	
Aroclor 1242				NA	NA		NA	NA	NA	NA			NA
Aroclor 1248	1,000	25,000				59000							
Aroclor 1254													
Aroclor 1260			200 J								370		
TOTAL PCBs	1,000	25,000	**200**			**59,000**					**370**	**ND**	

TABLE 9
132 DINGENS STREET - BCP REMEDIAL INVESTIGATiON
ANALYTICAL DATA - TEST PIT SOIL SAMPLES
(SAMPLED 7/25/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		TS#14	TS#14	TS#14	TS#15	TS#15	TS#15	TS#16	TS#16	TS#17	TS#17	TS#17
	COMMERCIAL	INDUSTRIAL	West End										
SEMIVOLATILE ORGANICS (SVOCs, ug/Kg)													
DEPTH INTERVAL (ft)			*0*	*0 - 2*	*4 - 8*	*0*	*1 - 4*	*4 - 8*	*3 - 4*	*5 - 6*	*0*	*0 - 2*	*6 - 7*
Percent Solids (%)	--	--	*70.2*	*79.4*	*87.1*	*83.9*	*80.3*	*88.3*	*91.6*	*72.4*	*69.3*	*80.2*	*78.8*
Biphenyl	--	--				2000 J	200 J						
2-Methylnaphthalene	--	--	140 J	320 J	200 J	6800 J	620 J	92 J	36 J			110 J	
3 & 4-Methylphenol	--	--											
Acenaphthene	500,000	1,000,000	450 J	760 J	370 J	25000 J	1300 J	330 J			1000 J	87 J	
Acenaphthylene	500,000	1,000,000										220 J	
Acetophenone	--	--											
Anthracene	500,000	1,000,000	1600 J	1600 J	3300 J	54000	3000	870 J		56 J	3200 J	330 J	88 J
Benzaldehyde	--	--											
Benzo(a)anthracene	5,600	11,000	6200	3400 J	8700	72000	5700	2400	100 J	220 J	20000	2800	330 J
Benzo(a)pyrene	1,000	1,100	5900	3100 J	6200	56000	4600	2200	110 J	200 J	19000	3100	310 J
Benzo(b)fluoranthene	5,600	11,000	6700	3700 J	6900	46000	5800	2800	120 J	270 J	28000	4100	310 J
Benzo(g,h,i)perylene	500,000	1,000,000	4600	2400 J	3500 J	29000	3000	1500 J	75 J	140 J	9700	1500	220 J
Benzo(k)fluoranthene	56,000	110,000	5300	2800 J	7100	55000	3900	1800 J	87 J	190 J	21000	4700	270 J
Bis(2-ethylhexyl) phthalate	--	--											
Butyl benzyl phthalate	--	--											
Carbazole	--	--	940 J	490 J	830 J	23000 J	1200 J	390 J			2300 J	270 J	46 J
Chrysene	56,000	110,000	6700	3700 J	8800	69000	5400	2600	180 J	240 J	28000	3900	380 J
Dibenz(a,h)anthracene	560	1,100	1500 J	770 J	1200 J	12000 J	1000 J	380 J		38 J	2200 J	470 J	55 J
Dibenzofuran	--	--	310 J	530 J	980 J	18000 J	1200 J	220 J			750 J	93 J	
Di-n-butyl phthalate	--	--					160 J	150 J				91 J	
Fluoranthene	500,000	1,000,000	8400	4500	17000	150000	7500	3300	84 J	280 J	34000	5600	460 J
Fluorene	500,000	1,000,000	530 J	720 J	1700 J	28000	1600 J	340 J			1000 J	78 J	
Indeno(1,2,3-cd)pyrene	5,600	11,000	4100	2100 J	3400 J	27000	2800	1300 J	57 J	110 J	13000	1500	230 J
Naphthalene	500,000	1,000,000	160 J	350 J		19000 J	970 J	140 J	36 J		710 J	130 J	
Phenanthrene	500,000	1,000,000	6600	7200	17000	180000	12000	4200	110 J	310 J	18000	1600	450 J
Pyrene	500,000	1,000,000	12000	9100	20000	160000	14000	6300	180 J	510 J	50000	4100	800 J
TOTAL SVOCs			**72,130**	**47,540**	**107,180**	**1,031,800**	**75,950**	**31,312**	**1,175**	**2,564**	**251,860**	**34,779**	**3,949**

TABLE 9
132 DINGENS STREET - BCP REMEDIAL INVESTIGATiON
ANALYTICAL DATA - TEST PIT SOIL SAMPLES
(SAMPLED 7/25/12)

SAMPLE ID/ LOCATION	PART 375 SCOs		TS#14	TS#14	TS#14	TS#15	TS#15	TS#15	TS#16	TS#16	TS#17	TS#17	TS#17
	COMMERCIAL	INDUSTRIAL	West End										
METALS (mg/Kg)													
DEPTH INTERVAL (ft)			*0*	*0 - 2*	*4 - 8*	*0*	*1 - 4*	*4 - 8*	*3 - 4*	*5 - 6*	*0*	*0 - 2*	*6 - 7*
Percent Solids (%)			*70.2*	*79.4*	*87.1*	*83.9*	*80.3*	*88.3*	*91.6*	*72.4*	*69.3*	*80.2*	*78.8*
Aluminum	--	--	10600 B	4080 B	5730 B	5880	5080	5580	5250	7600	3580	2760	5570
Antimony	--	--	1.3 J	7.4 J	0.68 J	1.2 J	4.2 J	7.6 J	4.5 J	0.74 J	5.2 J	2.2 J	1.3 J
Arsenic	16	16	12.1	16.1	15.2	11.3	21.8	20.6	18.3	22.4	38.5	21.3	15.7
Barium	400	10,000	277	242	316	284	298	238	307	924	256	219	269
Beryllium	590	2,700	0.82	0.43	0.6	0.63	0.53	0.53	0.81	0.88	0.53	0.72	0.72
Cadmium	9.3	60	1.7	1.2	0.91	3.2	1.5	1.3	1.5	0.9	6.3	1.7	0.69
Calcium	--	--	73100 B	26400 B	21100 B	77000 B	23400 B	24000 B	10500 B	13600 B	31900 B	5220 B	3710 B
Chromium	1,500	6,800	140	15	27.6	165	15.1	10.3	8.8	21.2	52	21.3	23.9
Cobalt	--	--	5.7	4.1	5.6	5.5	5.2	5.3	5.2	8.5	6.8	4.1	5.2
Copper	270	10,000	111	251	136	184	450	83.8	173	117	166	71.8	113
Iron	--	--	28900 B	16800 B	21000 B	31700 B	22400 B	15700 B	9670 B	31600 B	39500 B	24500 B	17300 B
Lead	1,000	3,900	821	1120	1260	796	5450	1250	410	909	506	209	525
Magnesium	--	--	6760 B	4330 B	3750 B	15400	5490	5770	1750	3760	2740	515	857
Manganese	10,000	10,000	4710 B	344 B	414 B	5220 B	423 B	420 B	154 B	377 B	439 B	113 B	393 B
Nickel	310	10,000	19.7	13.9	13.9	27.1	14.7	13.1	13.1	28.2	48.9	16.3	14.2
Potassium	--	--	1890	679	935	1210	758	787	498	912	666	894	702
Selenium	1,500	6,800	4.3 J	1.6 J	1.3 J	5.2	1.5 J	0.97 J	2.6 J	2.9 J	2.4 J	2.0 J	1.4 J
Silver	1,500	6,800	0.41 J	0.35 J	0.33 J	0.62	0.63 J	0.29 J		0.55 J	0.40 J		0.31 J
Sodium	--	--	173 J	138 J	195	197	150 J	119	350	316	119 J	99.6 J	266
Thallium	--	--	0.80 J									0.94 J	
Vanadium	--	--	78.6	12.4	20.4	74.3	14.1	15.5	22.1	38.3	19.1	15.6	29.7
Zinc	10,000	10,000	559 B	617 B	610 B	1330 B	903 B	927 B	877 B	947 B	1020 B	301 B	405 B
Mercury	2.8	5.7	0.46	1.1	1.4	0.38	0.55	0.4	0.12	0.45	0.78	0.16	0.12
Total Lead (mg/Kg)	1,000	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Lead (mg/L)	5				2.7		3.8	2					
Total Cyanide (mg/Kg)	27	10,000	0.90 J	NA	NA	0.74 J	NA	NA	NA	NA	3.0	1.6	NA

Note: 1. "NA" or "--" = not analyzed
2. Only detected volatile and semivolatile compounds are listed; a
3. Compounds exceeding Part 375 SCO for commercial use are s

TABLE 10
132 DINGENS STREET - BCP REMEDIAL INVESTIGATION
ANALYTICAL DATA FOR LANDFILL PARAMETERS

SAMPLE LOCATION/	LANDFILL ACCEPTANCE LIMITS	GS-28	GS-30	GS-32	GS-34	TS-13	TS-5	TS-5	TS-15	TS-15
LAB BATCH NUMBER		J23010	J23010	J23010	J23010	J25613	J25613	J25613	J25613	J25613
PARAMETER		GS Soils	GS Soils	GS Soils	GS Soils	TS Soils	TS Soils	TS Soils	TS Soils	TS Soils
SAMPLE DATE		7/24/12	7/24/12	7/24/12	7/24/12	9/25/12	9/25/12	9/25/12	9/25/12	9/25/12
Depth Interval (ft)		*1 - 5*	*2 - 6*	*12*	*1 - 5*	*2 - 8*	*0 - 4*	*4 - 8*	*1 - 4*	*4 - 8*
Percent solids %		*88.5*	*77.4*	*66.7*	*82.5*	*73.9*				
GENERAL CHEMISTRY										
Cyanide, Reactive (mg/Kg)	10					ND	ND	ND	ND	ND
Sulfide, Reactive (mg/Kg)	10					ND	ND	4.0 J	ND	ND
Flashpoint (Degrees F)	> 140					>176.0	>176.0	>176.0	>176.0	>176.0
pH (SU)	> 2 or < 12.5					7.65	7.7	7.74	7.75	7.71
TPH (mg/Kg)	--					NA	NA	NA	NA	NA
VOLATILE ORGANICS - TCLP (mg/L)										
Benzene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.5									
Chlorobenzene	100.0									
Chloroform	6.0									
1,2-Dichloroethane	0.5									
1,1-Dichloroethene	0.7									
Toluene	--									
2-Butanone (MEK)	200.0									
Tetrachloroethene	0.7									
Trichloroethene	0.5									
Vinyl chloride	0.2									
METALS - TCLP (mg/L)										
Arsenic	5.0	0.0092 JB	ND	0.045 B	0.0066 J B	0.015	0.0064 J	0.0084 J	0.01	0.012
Barium	100.0	1.5 B	1.2 B	1.9 B	2.2 B	1.3 B	2.4 B	1.9 B	1.3 B	1.1 B
Cadmium	1.0	0.03	0.0097	0.00085 J	0.028	0.015	0.0017	0.014	0.014	0.016
Chromium	5.0	0.0075 B	ND	0.0068 B	0.0022 JB	0.0091 B	0.0038 JB	0.0096 B	0.0067 B	0.0063 B
Lead	5.0	0.89	16	0.62	3.4	0.52	0.94	0.77	3.8	2
Selenium	1.0	ND	ND	0.011 J	0.011 J	ND	ND	0.011 J	ND	0.010 J
Silver	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	0.2	ND	ND	ND	ND	0.00097	ND	0.0026	0.00019 J	0.00014 J

Note: ND - Not detected

TABLE 11A
132 DINGENS STREET - BCP REMEDIAL INVESTIGATION
ANALYTICAL DATA FOR GROUNDWATER SAMPLES - ROUND 1

SAMPLE ID/ LOCATION	GW STANDARDS	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
		UNFILTERED								FILTERED							
SAMPLE DATE		*8/30/12*	*8/30/12*	*8/30/12*	*8/31/12*	*8/31/12*	*8/31/12*	*8/31/12*	*8/30/12*	*8/30/12*	*8/30/12*	*8/30/12*	*8/31/12*	*8/31/12*	*8/31/12*	*8/31/12*	*8/30/12*
VOLATILE ORGANICS (VOCs, ug/L)																	
Acetone				6.30 J	3.70 J	26.0			3.50 J								
Carban disulfide	**60**	0.44 J	0.45 J			1.10	1.30	0.77 J									
Methy cyclohexane	**5**					0.41 J											
MTBE	**5**	0.54 J															
2 - Butanone (MEK)	**5**			3.70 J													
TOTAL VOCs		**0.00**	**0.00**	**0.00**	**0.00**	**27.10**	**1.30**	**0.00**	**0.00**								
SEMIVOLATILE ORGANICS (SVOCs, ug/L)																	
2-Methylnaphthalene	**5**					15.0					1.0 J			13.0			
Acenaphthene	**20**		9.4 J			2.5 J					4.7 J			2.0			
Anthracene	**5**	1.5 J	8.7 J			0.63 J					1.1 J			0.39 J	0.50 J		
Benzaldehyde	**5**					0.27 J											
Benzo(a)anthracene	**5**	3.4 J	13.0 J			0.6 J	0.62 J										
Benzo(a)pyrene	**ND**	3.1 J	12.0 J	0.55 J		0.5 J	0.52 J										
Benzo(b)fluoranthene	**5**	3.5 J	13.0 J	0.68 J		0.57 J	0.55 J										
Benzo(g,h,i)perylene	**5**		4.0 J														
Benzo(k)fluoranthene	**5**		7.2 J														
Bis(2-ethylhexyl) phthalate	**5**					2.4 J											
Carbazole	**5**		6.1 J			0.61 J					3.3 J			0.60 J			
Chrysene	**5**	3.7 J	13.0 J	0.56 J		0.6 J	0.52 J										
Dibenz(a,h)anthracene	**5**		2.1 J														
Dibenzofuran	**5**		4.9 J			1.2 J					2.1 J			0.91 J			
Di-n-butyl phthalate	**5**				0.60 J	0.43 J	0.35 J							0.47 J	0.37 J	0.64 J	
Diethyl phthalate	**5**				1.80 J								1.3 J				
Fluoranthene	**5**	6.1 J	30.0	1.2 J						0.40 J	1.4 J						
Fluorene	**5**		9.5 J			1.1 J					3.9 J			0.44 J			
Indeno(1,2,3-cd)pyrene	**5**		4.3 J														
Naphthalene	**5**		9.1 J								5.7						
N-Notrosodiphenylamine	**5**													0.7 J			
Phenanthrene	**5**	5.1 JB	28.0 B	1.3 JB		5.1	0.94 J	0.51 J	0.55 JB	1.3 JB	5.6 B	0.45 JB		3.2 J	0.52 J	0.59 J	0.5 JB
Pyrene	**5**	4.7 J	24.0	0.78 J		1.1 J	0.99 J				0.83 J						
TOTAL SVOCs		**31.1**	**198.3**	**5.1**	**2.4**	**32.6**	**4.5**	**0.5**	**0.6**	**1.7**	**29.6**	**0.5**	**1.3**	**21.7**	**1.4**	**1.2**	**0.5**

NA

TABLE 11A
132 DINGENS STREET - BCP REMEDIAL INVESTIGATION
ANALYTICAL DATA FOR GROUNDWATER SAMPLES - ROUND 1

SAMPLE ID/ LOCATION	GW STANDARDS	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
		UNFILTERED								FILTERED							
PESTICIDES (ug/L)										NA							
delta-BHC	**0.2**			0.018 J	0.020 J												
4,4'-DDD	**0.3**				0.024 J												
4,4'-DDE	**0.2**								0.021 J								
Endrin aldehyde	**5.0**				0.028 J												
TOTAL PESTICIDES		**ND**	**ND**	**0.018**	**0.072**	**ND**	**ND**	**ND**	**0.021**								
PCBs (ug/L)	**0.09**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**NA**							
METALS (mg/L)																	
Aluminum	**--**	15.1	13.3	15.6	8.4	27.4	22.9	5.3	19.2		0.066 J						
Antimony	**0.003**	0.0017 J	0.078				0.048										
Arsenic	**0.05**	0.034	0.26	0.033	0.031	0.04	0.077	0.11	0.021				0.023				
Barium	**1**	1.0	2.9	1.5	0.22	1.7	2.1	0.29	0.46	0.35	1.3	0.88	0.16	0.83	0.39	0.2	0.28
Beryllium	**NS**	0.0012 J	0.00099 J	0.00075 J	0.00037 J	0.0016 J	0.0022	0.00034 J	0.00096 J								
Cadmium	**0.005**	0.0044	0.022	0.0013		0.0023	0.013										
Calcium	**--**	212	236	172	82.6	172	166	139	148	203 B	191	154 B	60.4 B	125	143	143	139 B
Chromium	**0.05**	0.14	0.079	0.046	0.0097	0.06	0.14	0.015	0.028								
Cobalt	**0.005**	0.018	0.022	0.0098	0.0052	0.019	0.022	0.0035 J	0.01	0.0038 J		0.0011 J				0.00069 J	0.00066 J
Copper	**200**	0.16	0.8	0.14	0.017	0.13	0.39	0.018	0.063				0.0029 J				
Iron	**--**	57.1	206	57.5	10.1	57.5	105	11.2	31.3	2.1	5.8	1.4		0.26	0.83		0.5
Lead	**0.05**	1.5	5.6	1.1	0.012	2.1	5.5	0.066	0.18								
Magnesium	**35**	30.3	28.9	38.8	47.4	91.8	21.4	37.0	40.0	25.7	22.6	27.4	39.9	74.7	16.2	36.3	31.4
Manganese	**0.3**	1.3	1.2	1.0	0.32	1.1	1.4	0.78	1.2	0.84	0.41	0.62	0.059	0.25	0.73	0.71	0.84
Nickel	**0.1**	0.035	0.1	0.034	0.013	0.049	0.066	0.01	0.029	0.0025 J	0.0026 J	0.003 J	0.018 J	0.0019 J			0.0016 J
Potassium	**--**	17.0	13.4	20.2	4.3	34.8	12.2	10.9	14.6	14.5	10.4	17.2	1.6	28.5	8.6	10.3	10.1
Selenium	**0.01**																
Silver	**0.05**	0.0092					0.0053										
Sodium	**--**	33.1	196	107	60	156	221	22.9	41.2	32.1	147	78.1	60.9	160	198	24.8	38.9
Thallium	**0.008**																
Vanadium	**0.014**	0.052	0.032	0.034	0.016	0.061	0.086	0.014	0.037	0.0028 J		0.0017 J			0.0024 J	0.0021 J	0.0024 J
Zinc	**--**	1.9	17.9	0.89	0.035	1.3	5.8	0.15	0.42	0.010 B	0.0066 JB	0.012 B	0.0044 JB	0.0045 J	0.0017 J	0.011	0.044 B
Mercury	**0.0007**	0.00097	0.0079	0.00056		0.0022			0.0002	0.00036	0.00064	0.00013 J		0.00029	0.002		
TOTAL CYANIDE (mg/L)	**0.2**	0.023	0.014			0.11	0.12		0.017	**NA**							

Note: 1. "NA" or "--" = not analyzed; ND = Not Detected; blank cells for individual analytes also = ND

2. Only detected organics (VOCs, SVOC, PCBs and pesticides) are listed; all metals analyzed are listed

3. Compounds exceeding GW standartds are highlighted in yellow

TABLE 11B

132 DINGENS STREET - BCP REMEDIAL INVESTIGATION

ANALYTICAL DATA FOR GROUNDWATER SAMPLES - ROUND 2

SAMPLE ID/ LOCATION	GW STANDARDS	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-6	MW-7
		UNFILTERED								FILTERED	
SAMPLE DATE		*4/25/13*	*4/26/13*	*4/25/13*	*5/1/13*	*4/26/13*	*5/1/13*	*5/1/13*	*4/30/13*	*5/1/13*	*5/1/13*
VOLATILE ORGANICS (VOCs, ug/L)											
TOTAL VOCs		**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**NA**	**NA**
SEMIVOLATILE ORGANICS (SVOCs, ug/L)											
2-Methylnaphthalene	**5**					1.6 J					
Acenaphthene	**20**		2.3 J			0.41 J					
Anthracene	**5**		0.41 J								
Carbazole	**5**		1.5 J								
Dibenzofuran	**5**		0.86 J								
Fluoranthene	**5**		0.77 J								
Fluorene	**5**		1.5 J								
Naphthalene	**5**		0.76 J								
Phenanthrene	**5**		1.9 J		0.44 J			0.44 J			
Pyrene	**5**		0.52 J								
TOTAL SVOCs		**ND**	**10.52**	**ND**	**0.44**	**2.01**	**ND**	**0.44**	**ND**	**ND**	**ND**
PESTICIDES (ug/L)											
4,4'-DDD	**0.3**				0.016 JB					NA	NA
4,4'-DDT	**0.2**		0.017 J								
alpha-BHC	**0.2**	0.0088 J	0.019 J		0.0086 JB	0.0085 J					
delta-BHC	**0.2**		0.012 J								
Endosulfan I	**0.009**		0.012 J								
Endrin aldehyde	**5.0**				0.015 JB						
gamma-Chlordane	**0.05**				0.011 J						
Methoxychlor	**35.0**				0.014 J						
TOTAL PESTICIDES		**0.0088**	**0.060**	**ND**	**0.0646**	**0.0**	**ND**	**ND**	**ND**	**NA**	**NA**
PCBs (ug/L)	**0.09**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**NA**	**NA**

TABLE 11B

132 DINGENS STREET - BCP REMEDIAL INVESTIGATION

ANALYTICAL DATA FOR GROUNDWATER SAMPLES - ROUND 2

SAMPLE ID/ LOCATION	GW STANDARDS	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-6	MW-7
		UNFILTERED								FILTERED	
METALS (mg/L)											
Aluminum	--				2.5		0.077 J		0.095 J		
Barium	1	0.56	0.39	0.65	0.12	2	0.3	0.25	0.26	0.26	0.2
Calcium	--	226	210	132	122	196	176	179	162	179	178
Chromium	0.05	0.0013 J			0.0033 J		0.0021 J	0.0013 J			
Cobalt	0.005				0.0007 J			0.0016 J			0.0015 J
Copper	200		0.0025 J	0.0017 J	0.0035 J		0.0023 J				
Iron	--	18.2	15	17.1	1.9 B	2	9	16.6	2.0 B	2.9	6.9
Lead	0.05				0.0032 J		0.017				
Magnesium	35	47.3	24.1	19.3	52.3	98.8	21.4	41.0	40.7	21.4 B	40.3 B
Manganese	0.3	0.52	0.23	0.2	0.13 B	0.43	0.82 B	0.94 B	0.67 B	0.81 B	0.90 B
Nickel	0.1		0.0034 J	0.0019 J	0.0026 J			0.0015 J	0.0016 J	0.0017 J	0.0016 J
Potassium	--	20.1	8.6	8.2	2.6	34.2	8.2	7.6	8.5	8.1	7.3
Sodium	--	112	76.1	32.7	93.2	269	100	20.7	33.8	102	20.4
Vanadium	0.014				0.0043 J						
Zinc	--	0.0063 JB	0.067	0.13 B	0.0076 J	0.0020 J	0.052	0.1	0.19	0.02	0.058
Mercury	0.0007										
TOTAL CYANIDE (mg/L)	0.2	ND	ND	ND	ND	0.079	0.0097 J	ND	ND	NA	NA

Note: 1. "NA" or "--" = not analyzed; ND = Not Detected; blank cells for individual analytes also = ND

2. Only detected organics (VOCs, SVOC, PCBs and pesticides) are listed; all metals analyzed are listed

3. Compounds exceeding GW standartds are highlighted in yellow

TABLE 12A
132 DINGENS STREET - BCP REMEDIAL INVESTIGATION
ANALYTICAL DATA - FIELD DUPLICATE SOIL SAMPLES

SAMPLE ID/ LOCATION	PART 375 SCOs		GS-18	GS-18D DUP	GS-18	GS-18D DUP	GS#20A	GS#20A DUP	TS#13	TS#13 DUP
	COMMERCIAL	INDUSTRIAL	West End						north	
LAB BATCH NUMBER			J22966	J22966	J22966	J22966	J25487	J25487	J25613	J25613
SAMPLE BATCH			GS Soils	GS Soils	GS Soils	GS Soils	GS Soils	GS Soils	TS Soils	TS Soils
Sample Date			7/23/2012	7/23/2012	7/23/2012	7/23/2012	9/21/2012	9/21/2012	9/25/2012	9/25/2012
VOLATILE ORGANICS (VOCs, ug/Kg)										
DEPTH INTERVAL (ft)	--	--	*7*	*7*	NA	NA	NA	NA	NA	NA
Percent Solids (%)	--	--	*78.1*	*78.4*						
TOTAL VOCs			**ND**	**ND**						
SEMIVOLATILE ORGANICS (SVOCs, ug/Kg)										
DEPTH INTERVAL (ft)	--	--			*0 - 5*	*0 - 5*			*2 - 8*	*2 - 8*
Percent Solids (%)	--	--			*93.2*	*91.0*			*73.9*	*66.7*
2-Methylnaphthalene	--	--	ND	ND			ND	ND		84 J
Acenaphthene	100,000	1,000,000				200 J			37 J	160 J
Acenaphthylene	100,000	1,000,000				480 J				65 J
Anthracene	100,000	1,000,000			850 J	1000 J			150 J	680 J
Benzaldehyde	--	--								
Benzo(a)anthracene	1,300	11,000			6200	6900			630 J	1700
Benzo(a)pyrene	1,000	1,100			5800	6500			750 J	1700
Benzo(b)fluoranthene	1,300	11,000			9800	11000			930	2000
Benzo(g,h,i)perylene	100,000	1,000,000			1800 J	2000 J			690 J	970 J
Benzo(k)fluoranthene	13,000	110,000			3700	4100			870	1900
Bis(2-ethylhexyl) phthalate	--	--				2400 J B				
Carbazole	--	--				540 J			100 J	380 J
Chrysene	13,000	110,000			6600	7300			1000	2300
Dibenz(a,h)anthracene	330	1,100			710 J	850 J			210 J	360 J
Dibenzofuran	--	--							83 J	170
Fluoranthene	100,000	1,000,000			12000	13000			1300	4000
Fluorene	100,000	1,000,000							75 J	260 J
Indeno(1,2,3-cd)pyrene	1,300	11,000			2300 J	2400 J			580 J	840 J
Naphthalene	100,000	1,000,000							44 J	260 J
Phenanthrene	100,000	1,000,000			3700	3800			1400	3200
Pyrene	100,000	1,000,000			9100	9900			2300	3300
TOTAL SVOCs			**ND**	**ND**	**62,560**	**72,370**	**ND**	**ND**	**11,149**	**24,329**
PESTICIDES (ug/Kg)										
DEPTH INTERVAL (ft)	--	--	NA	NA	*0 - 5*	*0 - 5*	NA	NA	*2 - 8*	*2 - 8*
Percent Solids (%)	--	--			*78.4*	*78.4*			*73.9*	*66.7*
4,4'-DDT	47,000	94,000				36 J				
Endrin	89,000	410,000							17 J	18 J
gamma-Chlordane	24,000	47,000							17 J	
Methoxychlor	--	--				120				
TOTAL PEST					**ND**	**156**			**34**	**18**

TABLE 12A
132 DINGENS STREET - BCP REMEDIAL INVESTIGATION
ANALYTICAL DATA - FIELD DUPLICATE SOIL SAMPLES

SAMPLE ID/ LOCATION	PART 375 SCOs		GS-18	GS-18D DUP	GS-18	GS-18D DUP	GS#20A	GS#20A DUP	TS#13	TS#13 DUP
	COMMERCIAL	INDUSTRIAL	West End						north	
PCBs (ug/Kg)										
DEPTH INTERVAL (ft)					*0 - 5*	*0 - 5*			*2 - 8*	*2 - 8*
Percent Solids (%)					*78.4*	*78.4*			*73.9*	*66.7*
Aroclor 1248					190 J	230 J				
Aroclor 1254	1,000	25,000	*NA*	*NA*	450	490	*NA*	*NA*		
Aroclor 1260					77 J	140 J				
TOTAL PCBs	1,000	25,000			**717**	**860**			**ND**	**ND**
METALS (mg/Kg)										
DEPTH INTERVAL (ft)					*0 - 5*	*0 - 5*	*5 - 7*	*5 - 7*	*2 - 8*	*2 - 8*
Percent Solids (%)					*78.4*	*78.4*	*78.4*	*78.4*	*73.9*	*66.7*
Aluminum	--	--			2190	2710			7110 B	8420
Antimony	--	--			1.7 J	3.3 J			2.0 J	2.0 J
Arsenic	16	16			43	43.1			274	216
Barium	400	10,000			81.7	91.7			931	958
Beryllium	590	2,700			0.41	0.51			1.8	1.8
Cadmium	9	60			0.6	1.1			7.2	5.1
Calcium	--	--			7080 B	21800 B			72900 B	59700 B
Chromium	1,500	6,800			11.8	27.4			15.9	19.7
Cobalt	--	--			3.7	9.1			7.7	12.9
Copper	270	10,000			64.1	143			117	156
Iron	--	--			29600 B	40300 B			26300	27700 B
Lead	1,000	3,900	NA	NA	149	165	NA	NA	706	1100
Magnesium	--	--			858	1270			2130 B	2600
Manganese	10,000	10,000			135 B	231 B			1220 B	1150 B
Nickel	310	10,000			12.2	20.4			38.8	30.8
Potassium	--	--			487	497			1060	1170
Selenium	1,500	6,800			1.1 J	1.1 J			3.1 J	2.9 J
Silver	1,500	6,800			ND	ND				0.43 J
Sodium	--	--			51.6 J	65.5 J			1020	926
Thallium	--	--							0.86 J	0.85 J
Vanadium	--	--			12.4	15.4			38.7	39.6
Zinc	10,000	10,000			210 B	498 B			2870 B	2250 B
Mercury	2.8	5.7			0.087	0.057			0.46	0.9
Total Lead (mg/Kg)	1,000	3,900					837	904	NA	NA
TCLP Lead (mg/L)	5		NA	NA	NA	NA	0.56	0.45	0.52	NA
Total Cyanide (mg/Kg)	27	10,000					NA	NA	1.1 J	1.1 J

Note: 1. "NA" or "--" = not analyzed; "ND" = Not Detected
2. Only detected volatile and semivolatile compounds are listed; all metals analyzed are listed
3. Compounds exceeding Part 375 SCO for commercial use are shown in bold numbers.

TABLE 12B

132 DINGENS STREET - BCP REMEDIAL INVESTIGATION

ANALYTICAL DATA - FIELD DUPLICATE GROUNDWATER SAMPLES

SAMPLE ID/ LOCATION	GW STANDARDS	MW5	MW5 DUP	MW5	MW5 DUP	MW6	MW6 DUP
		UNFILTERED		FILTERED		UNFILTERED	
LAB BATCH NUMBER		J24575	J24575	J24575	J24575	J37411	J37411
SAMPLE BATCH		MW Sample	MW Sample	MW Sample	MW Sample	MW Sample	MW Sample
Sample Date		8/31/2012	8/31/2012	8/31/2012	8/31/2012	5/1/2013	5/1/2013
VOLATILE ORGANICS (VOCs, ug/L)							
Acetone	--	26.0	25.00	NA	NA		
Carban disulfide	**60**	1.10	0.60 J				
Methy cyclohexane	**5**	0.41 J	0.41 J				
TOTAL VOCs		**27.5**	**26.0**			**0.0**	**0.0**
SEMIVOLATILE ORGANICS (SVOCs, ug/L)							
2-Methylnaphthalene	**5**	15.0	15.0	13.0	10.0		
Acenaphthene	**20**	2.5 J	2.5 J	2.0	2.6 J		
Anthracene	**5**	0.63 J	0.83 J	0.39 J	0.49 J		
Benzaldehyde	**5**	0.27 J					
Benzo(a)anthracene	**5**	0.6 J	0.89 J				
Benzo(a)pyrene	**ND**	0.5 J	0.82 J				
Benzo(b)fluoranthene	**5**	0.57 J	0.98 J				
Benzo(g,h,i)perylene	**5**		0.50 J				
Bis(2-ethylhexyl) phthalate	**5**	2.4 J	3.6 J				
Carbazole	**5**	0.61 J	0.68 J	0.60 J	0.71 J		
Chrysene	**5**	0.6 J	0.73 J				
Dibenz(a,h)anthracene	**5**		0.57 J				
Dibenzofuran	**5**	1.2 J	1.3 J	0.91 J	1.1 J		
Di-n-butyl phthalate	**5**	0.43 J		0.47 J	0.45 J		
Fluorene	**5**	1.1 J	1.3 J	0.44 J	1.0 J		
Indeno(1,2,3-cd)pyrene	**5**		0.46 J				
N-Notrosodiphenylamine	**5**			0.7 J			
Phenanthrene	**5**	5.1	6.00	3.2 J	4.0 J		0.42 J
Pyrene	**5**	1.1 J	1.5 J				
TOTAL SVOCs		**32.6**	**37.7**	**21.7**	**20.4**	**0.0**	**0.4**

TABLE 12B

132 DINGENS STREET - BCP REMEDIAL INVESTIGATION

ANALYTICAL DATA - FIELD DUPLICATE GROUNDWATER SAMPLES

SAMPLE ID/ LOCATION	GW STANDARDS	MW5	MW5 DUP	MW5	MW5 DUP	MW6	MW6 DUP
		UNFILTERED		FILTERED		UNFILTERED	
PESTICIDES (ug/L)							
4,4'-DDE	**0.2**		0.019 J				
gamma-BHC (Lindane)	**0.2**		0.019 J				
TOTAL PESTICIDES		**ND**	**0.038**			**ND**	**ND**
PCBs (ug/L)	**0.09**	**0.0**	**0.0**	**NA**	**NA**	**ND**	**ND**
METALS (mg/L)							
Aluminum	**--**	27.4	33.2			0.077 J	0.10 J
Arsenic	**0.05**	0.04	0.043				
Barium	**1**	1.7	1.8	0.83	0.95	0.3	0.3
Beryllium	**NS**	0.0016 J	0.002				
Cadmium	**0.005**	0.0023	0.0025				
Calcium	**--**	172	190	125	131	176	176
Chromium	**0.05**	0.06	0.068			0.0021 J	0.0015 J
Cobalt	**0.005**	0.019	0.023		0.00070 J		
Copper	**200**	0.13	0.15			0.0023 J	
Iron	**--**	57.5	69.6	0.26	0.86	9	9
Lead	**0.05**	2.1	2.3			0.017	0.017
Magnesium	**35**	91.8	93.7	74.7	76.3	21.4	21.6
Manganese	**0.3**	1.1	1.3	0.25	0.27	0.82 B	0.83 B
Nickel	**0.1**	0.049	0.059	0.0019 J	0.0017 J		0.0014 J
Potassium	**--**	34.8	37	28.5	33.7	8.2	8.2
Sodium	**--**	156	153	160	147	100	101
Vanadium	**0.014**	0.061	0.072				
Zinc	**--**	1.3	1.4	0.0045 J	0.0016 J	0.052	0.053
Mercury	**0.0007**	0.0022	0.0027	0.00029	0.00057		
TOTAL CYANIDES (mg/L)	**0.2**	0.11	0.12	NA	NA	0.0097 J	0.0081 J

Note: 1. "NA" or "--" = not analyzed; ND = Not Detected

2. Only detected organics (VOCs, SVOC, PCBs and Pests) are listed; all metals analyzed are listed

3. Compounds exceeding GW standartds are highlighted in yellow

TABLE 13

132 DINGENS STREET - BCP REMEDIAL INVESTIGATION

ANALYTICAL DATA - RINSE AND TRIP BLANKS

SAMPLE ID/ LOCATION	RB-1	TRIP BLANK	RB-2	TRIP BLANK	ER-1
LAB BATCH NUMBER	J23010	J24575	J25613	J37039	J37039
SAMPLE BATCH	GS Soils	MW Smpls	TS Soils	MW Smpls	MW Smpls
Sample Date	*7/24/12*	*8/31/12*	*9/25/12*	*4/25/13*	*4/30/13*
VOLATILE ORGANICS (VOCs, ug/L)					
Acetone	3.2 J	ND	3.2 J		
Chloroform					1.5
SEMIVOLATILE ORGANICS (SVOCs, ug/L)					
Benzaldehyde	ND	ND	1.8 J	ND	ND
Bis(2-ethylhexyl) phthalate					
PESTICIDES	NA	NA	**ND**	NA	**ND**
PCBs (ug/L)	NA	NA	**ND**	NA	**ND**
METALS (mg/L)					
Aluminum		NA	0.089 J	NA	ND
Barium			0.00081 J		
Calcium	0.26 J		0.20 J		
Iron			0.059		
Magnesium			0.057 J		
Manganese	0.0012 J		0.0015 J		
Nickel			0.0035 J		
Potassium	0.28 J		1.1		
Sodium	0.55 J		0.50 J		
Zinc			0.0036 J		
TOTAL CYANIDE (mg/L)	NA	NA	**ND**	NA	**ND**

Note: 1. "NA" or "--" = not analyzed; ND = Not Detected; * = not found in samples.

2. Only detected organics (VOCs, SVOC, PCBs and pests) are listed; all metals analyzed are listed

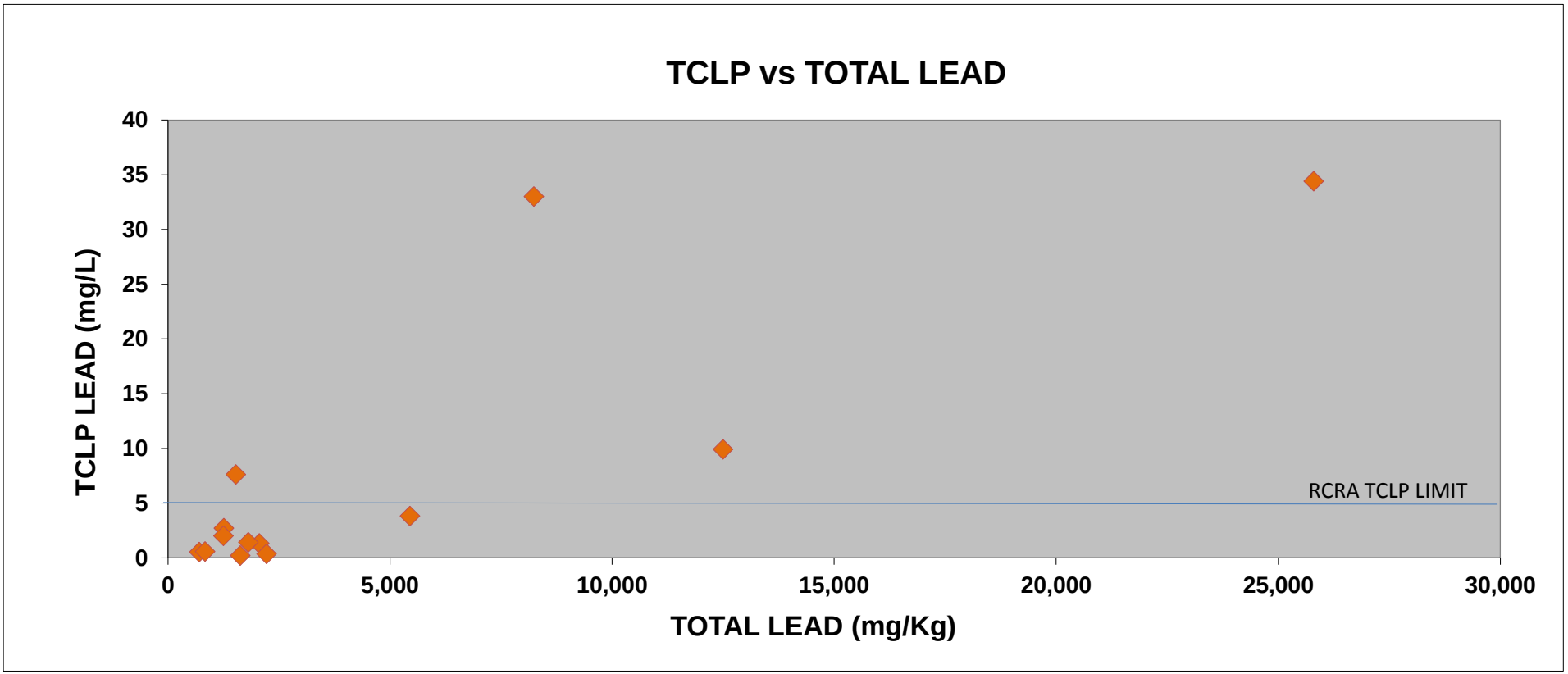
3. Compounds exceeding GW standartds are highlighted in yellow

TABLE 14
132 DINGENS STREET - BCP REMEDIAL INVESTIGATION
PARAMETERS OF CONCERN

PARAMETER	PART 375 SCOs		RANGE of DETECTED CONCENTRATIONS IN SOIL			TOTAL NUMBER OF SAMPLES	NUMBER OF SAMPLES EXCEEDING COMMERCIAL USE SCOs	NUMBER OF SAMPLES EXCEEDING INDUSTRIAL USE SCOs
	RESTRICTED COMMERCIAL	RESTRICTED INDUSTRIAL	MINIMUM	AVERAGE	MAXIMUM			
SEMIVOLATILE ORGANICS (SVOCs, ug/Kg**)**								
Benzo(a)anthracene	5,600	11,000	ND	10,299	490,000	81	23	8
Benzo(a)pyrene	1,000	1,100	ND	10,673	550,000		21	43
Benzo(b)fluoranthene	5,600	11,000	ND	12,008	600,000		23	9
Benzo(k)fluoranthene	56,000	110,000	ND	6,237	240,000		4	1
Chrysene	56,000	110,000	ND	9,996	450,000		5	1
Dibenz(a,h)anthracene	560	1,100	ND	1,704	86,000		19	11
Fluoranthene	500,000	1,000,000	ND	22,727	1,200,000		1	1
Indeno(1,2,3-cd)pyrene	5,600	11,000	ND	5,015	250,000		21	5
Phenanthrene	500,000	1,000,000	31	21,955	1,200,000		1	1
Pyrene	500,000	1,000,000	35	19,588	880,000		2	0
PCBs (ug/Kg)								
Aroclor 1248	1,000	25,000	ND	1,125	59,000	56	3	1
Aroclor 1254			ND	133	3,400		2	0
METALS (mg/Kg)								
Arsenic	16	16	1	24	274	79	40	40
Barium	400	10,000	7	550	4,530		31	0
Copper	270	10,000	5	221	2,400		12	0
Lead	1,000	3,900	3	2,981	93,500	86	36	9
Nickel	310	10,000	2	41	863	79	2	0
Zinc	10,000	10,000	9	1,655	22,900		2	3
Mercury	2.8	5.7	ND	0.90	8.30		5	3
TCLP Lead (mg/L)	5		ND	8	34	13	3	

TABLE 15
132 DINGENS STREET - BCP REMEDIAL INVESTIGATION
ANALYTICAL DATA - TEST PIT SOIL SAMPLES

SAMPLE ID/ LOCATION	PART 375 SCOs		TS#1A	TS#4A	TS#4A	TS#4A	TS#12	TS#12	TS#13	TS#14	TS#15	TS#15	MW#7A	GS#20A	GS#20A
	COMMERCIAL	INDUSTRIAL	east	north center			north center			west end			east	northwest	
Lead	1,000	3,900	2,060	12,500	1,810	8,240	1,630	1,530	706	1,260	5,450	1,250	25,800	2,220	837
TCLP Lead (mg/L)	5		1.3	9.9	1.4	33	0.2	7.6	0.52	2.7	3.8	2	34.4	0.35	0.56



APPENDIX A

SITE PHOTO PAGES

1. Aerial view of the property

2. View of the Truck Terminal at the center of the property

3. View of the Truck Terminal at the center of the property

4. View of the Refrigeration Building near the northwest corner

5. Closer view of the Refrigeration Building

6. View of Refrigeration Unit near the Refrigeration Building

INITIAL SITE RECONNAISSANCE	IEG	**SITE PHOTOGRAPHS**
132 DINGENS ST. SITE, BUFFALO, NY		DATE: Sep 13, 2011

7. View of burned down Truck Terminal and burned out loader

8. View of equipment and wood pallets

9. View of damaged trailer with Truck Terminal in background

10. View of the northwest extension of the property

11. View of stained ground around (2) empty drums

12. View of illegal dumping on the northwest extension

INITIAL SITE RECONNAISSANCE **132 DINGENS ST. SITE, BUFFALO, NY**	IEG	**SITE PHOTOGRAPHS** DATE: Sep 13, 2011

1. View of Geoprobe Sample GS-17

2. View of Geoprobe Sample GS-18

3. View of Geoprobe Sample GS-19

4. View of Geoprobe Sample GS-20


5. The SJB Services, Inc Geoprobe machine at GS-21

6. View of Geoprobe Sample GS-21

GEOPROBE SOIL SAMPLING	IEG	**SITE PHOTOGRAPHS**
132 DINGENS ST. SITE, BUFFALO, NY		DATE: Jul 23, 2012

7. View of Geoprobe Sample GS-22

8. View of Geoprobe Sample GS-23

9. View of Geoprobe Sample GS-24

10. View of Geoprobe Sample GS-25


11. The Geoprobe machine and sampling table at GS-26

12. View of Geoprobe Sample GS-26

GEOPROBE SOIL SAMPLING	IEG	**SITE PHOTOGRAPHS**
132 DINGENS ST. SITE, BUFFALO, NY		DATE: Jul 23, 2012

13. View of Geoprobe Sample GS-27

14. View of Geoprobe Sample GS-28


15. The Geoprobe machine and sampling table at GS-29

16. View of Geoprobe Sample GS-29

17. View of Geoprobe Sample GS-30

18. View of Geoprobe Sample GS-31

GEOPROBE SOIL SAMPLING **132 DINGENS ST. SITE, BUFFALO, NY**	IEG	**SITE PHOTOGRAPHS** DATE: Jul 24, 2012

19. The Geoprobe machine and sampling table at GS-29

20. View of Geoprobe Sample GS-32

21. The Geoprobe machine and sampling table at GS-29

22. View of Geoprobe Sample GS-33

24. The Geoprobe machine and sampling table at GS-29

25. View of Geoprobe Sample GS-34

GEOPROBE SOIL SAMPLING **132 DINGENS ST. SITE, BUFFALO, NY**	IEG	**SITE PHOTOGRAPHS** DATE: Jul 24, 2012

1. View of MW-7 after concrete pad has been poured

2. View of MW-6 after concrete pad has been poured

3. The asphalt is removed around MW-5 riser

4. After riser is cut, the inner ring is placed and concrete poured

5. View of MW-8 after installation is complete

6. View of MW-4 after installation is complete

MONITORING WELL INSTALLATION	IEG	**SITE PHOTOGRAPHS**
132 DINGENS ST. SITE, BUFFALO, NY		DATE: Jul 20, 2012

7. View of MW-3 after installation is complete

8. View of MW-2 after installation is complete

9. View of MW-1 after installation is complete

10. The depths of each MW are measured during development

11. Between 10 to 15 well volumes are bailed out of each well

12. The well develop water is then contained

MONITORING WELL INSTALLATION **132 DINGENS ST. SITE, BUFFALO, NY**	IEG	**SITE PHOTOGRAPHS** DATE: Jul 20 and 25, 2012

1. SJB Services, Inc arrives with the drilling machine

2. View of Monitoring Well Sample MW-4

3. The drilling machine at MW-8

4. View of Monitoring Well Sample MW-8

5. View of Monitoring Well Sample MW-5

6. View of Monitoring Well Sample MW-5

MONITORING WELL SAMPLING (ROUND 1) **132 DINGENS ST. SITE, BUFFALO, NY**	IEG	**SITE PHOTOGRAPHS** DATE: Jul 16 and 17, 2012

7. View of Monitoring Well MW-3 after riser is installed

8. View of Monitoring Well Sample MW-3

9. View of Monitoring Well Sample MW-2

10. View of Monitoring Well Sample MW-2

11. The equipment set up at MW-1

12. View of Monitoring Well Sample MW-1

MONITORING WELL SAMPLING (ROUND 1)	IEG	**SITE PHOTOGRAPHS**
132 DINGENS ST. SITE, BUFFALO, NY		DATE: Jul 18 and 19, 2012

13. The equipment set up at MW-7

14. View of Monitoring Well Sample MW-7

15. The drilling machine at MW-6

16. The protective casing that covers the riser at MW-6

17. View of Monitoring Well Sample MW-6

18. View of Monitoring Well Sample MW-6

MONITORING WELL SAMPLING (ROUND 1)	IEG	**SITE PHOTOGRAPHS**
132 DINGENS ST. SITE, BUFFALO, NY		DATE: Jul 19, 2012

1. Environmental Products and Services, Inc. sets up at GS-35

2. View of Geoprobe Sample GS-35

3. View of the Geoprobe rig at GS-36

4. View of Geoprobe Sample GS-36

5. View of the Geoprobe rig at GS-37

6. View of Geoprobe Sample GS-37

GEOPROBE SOIL SAMPLING	IEG	**SITE PHOTOGRAPHS**
132 DINGENS ST. SITE, BUFFALO, NY		DATE: Sep 21, 2012

7. View of Geoprobe Sample GS-38

8. View of Geoprobe Sample GS-39


9. View of Geoprobe rig at GS-40

10. View of Geoprobe Sample GS-40

11. View of Geoprobe Sample TS-1A

12. View of Geoprobe Sample MW-7A

GEOPROBE SOIL SAMPLING	IEG	**SITE PHOTOGRAPHS**
132 DINGENS ST. SITE, BUFFALO, NY		DATE: Sep 21, 2012

13. View of the Geoprobe rig at TS-4A

14. View of Geoprobe Sample TS-4A

15. View of the Geoprobe rig at GS-20A

16. View of Geoprobe Sample GS-20A

17. Overview of the north border of the property

18. Overview of the east end of the property

GEOPROBE SOIL SAMPLING	IEG	**SITE PHOTOGRAPHS**
132 DINGENS ST. SITE, BUFFALO, NY		DATE: Sep 21, 2012

1. View of Pinto Construction excavator at TS-8

2. View of Test Pit TS-8

3. View of the excavator at TS-9

4. View of Test Pit TS-9

5. View of the excavator at TS-10

6. View of the material coming out of TS-10

TEST PIT SAMPLING	IEG	**SITE PHOTOGRAPHS**
132 DINGENS ST. SITE, BUFFALO, NY		DATE: Sep 25, 2012

7. View of concrete pieces and other trash at TS-11

8. View of tires and a drum excavated at TS-11

9. View of the excavator at TS-12

10. View of Test Pit TS-12

11. View of an old Telephone Booth sign in Test Pit TS-13

12. TS-14: each test pit is left as level as it was before the dig

TEST PIT SAMPLING	IEG	**SITE PHOTOGRAPHS**
132 DINGENS ST. SITE, BUFFALO, NY		DATE: Sep 25, 2012

13. Starting to dig Test Pit TS-5

14. View of Test Pit TS-5

15. View of Test Pit TS-15

16. View of Test Pit TS-16

17. The start of the dig at Test Pit TS-17

18. View of Test Pit TS-17

TEST PIT SAMPLING **132 DINGENS ST. SITE, BUFFALO, NY**	IEG	**SITE PHOTOGRAPHS** DATE: Sep 25, 2012

1. Low flow sampling set up at MW-3

2. Purge water from MW-1

3. Low flow sampling set up at MW-4

4. Purge water from MW-4

5. Low flow sampling set up at MW-7

6. BCP Sign at SIte

MONITORING WELL SAMPLING ROUND 2 **132 DINGENS ST., BUFFALO, NY**	IEG	**SITE PHOTOGRAPHS** DATE: April 25 – May 1, 2013

APPENDIX B

WASTE DISPOSAL MANIFESTS

ENVIRONMENTAL PRODUCTS & SERVICES OF VERMONT, INC.

24-Hour Emergency Phone Number
1-800-843-8265

Please print or type

BILL OF LADING

1. Document No. BUF2056 | 2. Page 1 of 1

3. Generator's Name and Mailing Address
AMS VENTURES LLC
2299 MILITARY RD
TONAWANDA NY 14150

4. Generator's Phone (716) 445-9684

Site Address
132 DINGENS ST
BUFFALO NY 14206

5. Transporter 1 Company Name: ENVIRONMENTAL PROD & SVCS OF VT, INC | 6: NYR000115733

A. State Transporter's ID: VT 2RD31
B. Transporter 1 Phone: 800 843-8265

7. Transporter 2 Company Name | 8:

C. State Transporter's ID
D. Transporter 2 Phone

9. Designated Facility Name and Site Address
ENVIRONMENTAL PROD & SVCS OF VT, INC
532 STATE FAIR BLVD.
SYRACUSE NY 13204
HM

10. NYR000115733

E. State Facility's ID
F. Facility's Phone: 800 843-8265

GENERATOR

	11. Shipping Name	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a.	~~NON-RCRA, NON-DOT SOLIDS, N.O.S. (oil soaked debris)~~ Remove		DF		P
b.	NON-RCRA, NON-DOT SOLIDS, N.O.S. (EMPTY DRUMS)	2	DM	80	P
c.	non-RCRA, non-DOT solids, N.O.S. (empty drums)	1	DF	10	P
d.					

G. Additional Descriptions for Materials Listed Above

a. App#: 0712134-DT ; 1 x 15-gal drum;

b. APP #: 0712140-MT, 2 X 55 gal; DM

c. App# 0712140-MT 1 x 15-gal DF

d.

15. Special Handling Instructions and Additional Information
1)Job # B3010 ; 2)

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this document are not subject to federal manifest requirements.

Printed/Typed Name: GEORGE J. PANEPINTO SUPV | Signature | Date: Month 7 Day 27 Year 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Carlton E Snell | Signature | Date: Month 7 Day 27 Year 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the materials covered by this bill of lading except as noted in item 19.

Printed/Typed Name: Matt Stanislaw | Signature | Date: Month 8 Day 1 Year 12

BILL OF LADING

ENVIRONMENTAL PRODUCTS & SERVICES OF VERMONT, INC.

24-Hour Emergency Phone Number
1-800-843-8265

Please print or type

BILL OF LADING

1. Document No. BUF2441 | 2. Page 1 of 1

3. Generator's Name and Mailing Address
AMS VENTURES LLC
2299 MILITARY RD
TONAWANDA NY 14150

4. Generator's Phone (716) 445-9684

Site Address
132 DINGENS ST
BUFFALO NY 14206

5. Transporter 1 Company Name: ENVIRONMENTAL PROD & SVCS OF VT, INC
6. NYR000115733
A. State Transporter's ID VT 28 D31
B. Transporter 1 Phone 800 843-8265
C. State Transporter's ID
D. Transporter 2 Phone

7. Transporter 2 Company Name
8.

9. Designated Facility Name and Site Address
ENVIRONMENTAL PROD & SVCS OF VT, INC
532 STATE FAIR BLVD.
SYRACUSE NY 13204
HM
10. NYR000115733
E. State Facility's ID
F. Facility's Phone 800 843-8265

GENERATOR

	11. Shipping Name	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a.	Non-RCRA, Non-DOT, LIQUIDS, N.O.S. (GCO-10 Cooling Tower Treatment Compound)	1	DF DM	25	G
b.	Non-RCRA, Non-DOT, LIQUIDS, N.O.S. (Formula DL-1546 Gluteraldehyde solution)	1	JEDF DM	10	G
c.	Non-RCRA, Non-DOT Liquids, n.o.s. (Formula 1536 Cooling Water Biocide)	1	JEDF DM	20	G
d.	Non-RCRA, Non-DOT, LIQUIDS, N.O.S. (USED OIL)	1 5 (5)	DM	250	G

G. Additional Descriptions for Materials Listed Above

a. App#: 0112131-OT; 1 x 30-gal;

b. App#: 0112130-TS/WRS; 1 x 30-gal; ~~1 x 30-gal~~ 1 overpacked

c. App#: 0712108-OT; 1 x 15-gal; overpacked into 30-gal.

d. APP#: 0112134-OT; 5 X 55-gal;

15. Special Handling Instructions and Additional Information
1) Job # B30 10 2) 3) 4)

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this document are not subject to federal manifest requirements.

Printed/Typed Name: GEORGE S PANEPINTO Sopv | Signature | Date: Month 7 Day 27 Year 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Carlton E Snell | Signature | Date: Month 7 Day 27 Year 12

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space
4 x 55 gal Drums from line 11 D. being rejected for disposal at Environmental & Industrial Contracting 9335 Quarry Road Niagara Falls, NY 14304

20. Facility Owner or Operator: Certification of receipt of the materials covered by this bill of lading except as noted in item 19.
Printed/Typed Name: Jeff Stanislaw | Signature | Date: Month 8 Day 1 Year 12

BILL OF LADING

ENVIRONMENTAL PRODUCTS & SERVICES OF VERMONT, INC.

24-Hour Emergency Phone Number
1-800-843-8265

BILL OF LADING

NYR000115733

1. Document No. BUF2476
2. Page 1 of 1

BILL OF LADING

GENERATOR

3. Generator's Name and Mailing Address
ENVIRONMENTAL PROD & SVCS OF VT, INC
532 STATE FAIR BLVD.
SYRACUSE NY 13204

4. Generator's Phone (800) 843-8265

Site Address
SAME

5. Transporter 1 Company Name
ENVIRONMENTAL PROD & SVCS OF VT, INC

6. NYR000115733

A. State Transporter's ID 7107 JJ (NY)
B. Transporter 1 Phone 800 843-8265

7. Transporter 2 Company Name

8.

C. State Transporter's ID
D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Environmental & Industrial Contracting Services I
8335 QUARRY RD.
NIAGARA FALLS NY 14304
HM

10. NY0001037605

E. State Facility's ID
F. Facility's Phone 716 298-5297

	11. Shipping Name	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a.	Non-RCRA, Non-DOT Liquids, n.o.s. (used oil)	4	DM	200	G
b.					
c.					
d.					

G. Additional Descriptions for Materials Listed Above

a. App#: 120125A; 4 x 55-gal;

b.

c.

d.

15. Special Handling Instructions and Additional Information
1)These drums were rejected from original BOL # BUF2441 (see attached copy)

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this document are not subject to federal manifest requirements.

Printed/Typed Name	Signature	Date Month	Day	Year
Ronald Fasseth	Ronald Fasseth hb	8	1	12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Johnny Elsberry	Johnny Elsberry	8	1	12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the materials covered by this bill of lading except as noted in item 19.

EICS

Printed/Typed Name	Signature	Date Month	Day	Year
Linda Faust	Linda Faust	08	03	12

ENVIRONMENTAL PRODUCTS & SERVICES OF VERMONT, INC.

24-Hour Emergency Phone Number
1-800-843-8265

BILL OF LADING

NYR000115733

1. Document No. BUF2476

2. Page 1 of 1

3. Generator's Name and Mailing Address
ENVIRONMENTAL PROD & SVCS OF VT, INC
532 STATE FAIR BLVD.
SYRACUSE NY 13204

4. Generator's Phone (800) 843-8265

Site Address: SAME

5. Transporter 1 Company Name: ENVIRONMENTAL PROD & SVCS OF VT, INC

6. NYR000115733

A. State Transporter's ID 710725JT(NY)

B. Transporter 1 Phone 800 843-8265

7. Transporter 2 Company Name

8.

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Environmental & Industrial Contracting Services I
8335 QUARRY RD.
NIAGARA FALLS NY 14304

10. NY0001037605

E. State Facility's ID

F. Facility's Phone 716 298-5297

HM

	11. Shipping Name	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a.	Non-RCRA, Non-DOT Liquids, n.o.s. (used oil)	4	DM	200	G
b.					
c.					
d.					

GENERATOR

G. Additional Descriptions for Materials Listed Above

a. App#: 120125A; 4 x 55-gal;

b.

c.

d.

15. Special Handling Instructions and Additional Information
1)These drums were rejected from original BOL # BUF2441 (see attached copy)

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this document are not subject to federal manifest requirements.

Printed/Typed Name	Signature	Date Month	Day	Year
Ronald Fassett	Ronald Fassett	8	1	12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Johnny Esberry	Johnny Esberry	8	1	12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the materials covered by this bill of lading except as noted in item 19.

Printed/Typed Name	Signature	Date Month	Day	Year
EICS Linda Faust	Linda Faust	08	03	12

BILL OF LADING

ENVIRONMENTAL PRODUCTS & SERVICES OF VERMONT, INC.

24-Hour Emergency Phone Number
1-800-843-8265

, or type

BILL OF LADING

1. Document No. BUF2055

2. Page 1 of 1

3. Generator's Name and Mailing Address
AMS VENTURES LLC
2299 MILITARY RD
TONAWANDA NY 14150

4. Generator's Phone (716) 445-9684

Site Address
132 DINGENS ST
BUFFALO NY 14206

5. Transporter 1 Company Name
ENVIRONMENTAL PROD & SVCS OF VT, INC

6. NYR000115733

A. State Transporter's ID 7d72 (NY)

B. Transporter 1 Phone 800 843-8265

7. Transporter 2 Company Name

8.

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Environmental & Industrial Contracting Services I
8335 QUARRY RD.
NIAGARA FALLS NY 14304
HM

10. NY0001037605

E. State Facility's ID

F. Facility's Phone
716 298-5297

GENERATOR

	11. Shipping Name	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a.	NON-RCRA, NON-DOT LIQUIDS, N.O.S. (USED OIL)	4	DM	200	G
b.					
c.					
d.					

G. Additional Descriptions for Materials Listed Above

a. App#: EPSV120125A; 4 x 55-gal;

b.

c.

d.

15. Special Handling Instructions and Additional Information
1)Job #B3010 ; PO # B12158

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this document are not subject to federal manifest requirements.

Printed/Typed Name	Signature	Date Month	Day	Year
GEORGE J. PANEPINTO Supv.		7	27	12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Carlton E Snell		7	27	12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the materials covered by this bill of lading except as noted in item 19.

E 105

Printed/Typed Name	Signature	Date Month	Day	Year
Linda Faust		07	31	12

BILL OF LADING

...pe. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

...RM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD982729717	1	800-843-8265	001215726 FLE

GENERATOR

5. Generator's Name and Mailing Address
AMS VENTURES LLC
2299 MILITARY RD
TONAWANDA NY 14150
Generator's Phone: 716 - 445 - 9684

Generator's Site Address (if different than mailing address)
AMS VENTURES LLC
132 DINGENS ST
BUFFALO NY 14206

6. Transporter 1 Company Name
ENVIRONMENTAL PROD & SVCS OF VT, INC
U.S. EPA ID Number
NYR000115733

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CYCLE CHEM, INC.
550 INDUSTRIAL DR.
LEWISBERRY PA 17339
Facility's Phone: 717 938-4700
U.S. EPA ID Number
PAD067098822

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. UN1719, WASTE Caustic alkali liquids, n.o.s.(potassium hydroxide), 8, PGII, RQ	1	DF	50	G	D002
	2. UN1760, WASTE Corrosive liquids, n.o.s. 8, PGII (sodium hydroxide), RQ	1	~~DF~~ DM	50	G	D002
	3. NA3082, Hazardous waste, liquid, n.o.s. (cadmium, lead) 9, PGIII, RQ	1	DM	50	G	D006 D008 D039 F002
	4. UN1759, Corrosive solids, n.o.s. (sulfamic acid) 8, PGIII	1	DF	30	P	NONE

14. Special Handling Instructions and Additional Information
1) App#: EPS178 Seq-C Product-WR3; 1 x 55-gal; ERG#154
2) App#: EPS178 Seq-D Product WR3; 1 x 55-gal; ERG#154
3) App#: EPS178 Seq-B Product FM1; 1 x 55-gal; ERG#171
4) App#: EPS178 Seq-A Product LI; 1 x 15-gal; ERG#154
Job #B3010
PO # B12157

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: GEORGE J. PANEPINTO SOPV
Signature:
Month Day Year: 7 27 12

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Carlton E Snell
Signature:
Month Day Year: 7 27 12
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

ENVIRONMENTAL PRODUCTS & SERVICES OF VERMONT, INC.

24-Hour Emergency Phone Number
1-800-843-8265

BILL OF LADING

1. Document No. BUF2441 | 2. Page 1 of 1

3. Generator's Name and Mailing Address
AMS VENTURES LLC
2299 MILITARY RD
TONAWANDA NY 14150

4. Generator's Phone (716) 445-9684

Site Address
132 DINGENS ST
BUFFALO NY 14206

5. Transporter 1 Company Name: ENVIRONMENTAL PROD & SVCS OF VT, INC | 6. NYR000115733

A. State Transporter's ID

B. Transporter 1 Phone 800 843-8265

7. Transporter 2 Company Name | 8.

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
ENVIRONMENTAL PROD & SVCS OF VT, INC
532 STATE FAIR BLVD.
SYRACUSE NY 13204

10. NYR000115733

E. State Facility's ID

F. Facility's Phone 800 843-8265

HM

	11. Shipping Name	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a.	Non-RCRA, Non-DOT, LIQUIDS, N.O.S. (GCO-10 Cooling Tower Treatment Compound)	1	DF ~~DM~~	25	G
b.	Non-RCRA, Non-DOT, LIQUIDS, N.O.S. (Formula DL-1546 Gluteraldehyde solution)	1	DM	10	G
c.	Non-RCRA, Non-DOT Liquids, n.o.s. (Formula 1536 Cooling Water Biocide)	1	DM	20	G
d.	Non-RCRA, Non-DOT, LIQUIDS, N.O.S. (USED OIL)	5	DM	250	G

GENERATOR

G. Additional Descriptions for Materials Listed Above

a. App#: 0112131-OT; 1 x 30-gal;

b. App#: 0112130-TS/WRS; 1 x ~~30~~ ~~in 30-gal~~ 1 overpacked

c. App#: 0712108-OT; 1 x 15-gal; overpacked into 30-gal.

d. APP#: 0112134-OT; 5 X 55-gal;

15. Special Handling Instructions and Additional Information
1)Job # B30 10 2) 3) 4)

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this document are not subject to federal manifest requirements.

Printed/Typed Name: George J Panepinto Sopv | Signature: George J Panepinto | Date: Month 7 Day 27 Year 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Carlton E Snell | Signature: Carlton E Snell | Date: Month 7 Day 27 Year 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the materials covered by this bill of lading except as noted in item 19.

Printed/Typed Name | Signature | Date: Month Day Year

BILL OF LADING

ENVIRONMENTAL PRODUCTS & SERVICES OF VERMONT, INC.

24-Hour Emergency Phone Number
1-800-843-8265

type

BILL OF LADING

1. Document No. BUF2055 | 2. Page 1 of 1

3. Generator's Name and Mailing Address
AMS VENTURES LLC
2299 MILITARY RD
TONAWANDA NY 14150

4. Generator's Phone (716) 445-9684

Site Address
132 DINGENS ST
BUFFALO NY 14206

5. Transporter 1 Company Name: ENVIRONMENTAL PROD & SVCS OF VT, INC
6. NYR000115733
A. State Transporter's ID
B. Transporter 1 Phone 800 843-8265

7. Transporter 2 Company Name
8.
C. State Transporter's ID
D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Environmental & Industrial Contracting Services I
8335 QUARRY RD.
NIAGARA FALLS NY 14304
HM
10. NY0001037605
E. State Facility's ID
F. Facility's Phone 716 298-5297

GENERATOR

	11. Shipping Name	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a.	NON-RCRA, NON-DOT LIQUIDS, N.O.S. (USED OIL)	4	DM	200	G
b.					
c.					
d.					

G. Additional Descriptions for Materials Listed Above
a. App#: EPSV120125A; 4 x 55-gal;
b.
c.
d.

15. Special Handling Instructions and Additional Information
1)Job #B3010 ; PO # B12158

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this document are not subject to federal manifest requirements.

Printed/Typed Name: GEORGE J. PANEPINTO Supv.
Signature: George J Panepinto
Date: Month 7 Day 27 Year 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Carlton E Snell
Signature: Carlton E Snell
Date: Month 7 Day 27 Year 12

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the materials covered by this bill of lading except as noted in item 19.
Printed/Typed Name
Signature
Date: Month Day Year

BILL OF LADING

APPENDIX C

MONITORING WELL AND TEST PIT LOGS

TABLE

132 DINGENS STREET - BCP SITE INVESTIGATION

FIELD MEASUREMENTS FOR SOIL BORINGS & TEST PITS

SOIL BORING ID NUMBER	DEPTH INTERVAL (ft)	SOIL PID READINGS (ppm)	WATER AT (ft bgs)	REMARKS
Background	atmosphere	0	--	Initial reading
GS-17	0-4	0	9	Fill, grey gravel, sand, brown,black, tan, grey ash
	4-8	0		Fill, gravel, glass, brown, reddish silty sand,brown silty clay
	8-12	0		Brown silty clay, black ash, brown clay
	12-16	0		Brown clay
GS-18	0-4	0	7	Fill, grey gravel, sand, black / grey ash and brick
	4-8	0		Black sandy fill, orange ash, grey ash, brick
	8-12	0		Black ash, brown silty clay
	12-16	0		Brown clay, grey clay
GS-19	0-4	0		Topsoil, grey / orange ash, brik, sandy fill with glass
	4-8	0		Brown, grey, reddish fill with brick, gravel, silty clay
	8-12	0		Brown silty clay with gravel, black organics, brown clay
	12-16	0		Brown clay
GS-20	0-4	0	8	Fill, gravel, brown / grey, tan sandy ash
	4-8	0		Fill brick, tan, red, orange ash, glass,
	8-12	0		Fill, tan, grey ash, brown clay, grey clay
	12-16	0		Grey clay
	16-20	0		Brown clay
GS-21	0-4	0	8	Asphalt, fill, gravel, turquoise, black, orange sand, gravel, glass
	4-8	0		Low recovery, black / orange ash
	8-12	0		Low recovery, brown gravel, ash
	12-16	0		Brown clay
GS-22	0-4	0	8	Fill, grey sand gravel, ash, brick, coal
	4-8	0		Fill, tan, brown, black ash, brick, coal
	8-12	0		Grey fill ash, brick
	12-16	0		Brown clay
GS-23	0-4	0	10	Low recovery, topsoil
	4-8	0		Fill, red, orange, grey, black sand, ash, brick, coal
	8-12	0		Fill, red, brown, tan sand, brick, grey ash, black organics
	12-16	0		Brown clay
GS-24	0-4	0	8	Fill, gravel, sand, orange, silty sand, brown silty sand
	4-8	0		Fill, black sand, ash, grey clay, black ash, glass, brown clay
	8-12	0		Brown clay
	12-16	0		Low recovery, brown clay
GS-25	0-4	0	10	Asphalt, fill, gravel, sand, brown silty sand, grey ash, black sand
	4-8	0		Brown silty sand, tan, grey ash, grey, brown silty clay
	8-12	0		Brown silty clay, grey clay, black organics, brown clay
	12-16	0		Brown clay
GS-26	0-4	0	5	Fill asphalt, sand / gravel, brown, grey ash, trash, brown silty sand
	4-8	0		Fill, grey ash, trash, black ash, trash, ceramic
	8-12	0		Low recovery, gravel, brick, glass
	12-16	0		Brown clay
GS-27	0-4	0	7	Asphalt, fill, sand / gravel, ash, brick, sand
	4-8	0		Fill ash, tan, grey, black ash, trash
	8-12	0		Brown clay
GS-28	0-4	0	8	Asphalt, fill sand / gravel, sintered brick, sand, tan ash, brown silty clay
	4-8	0		Low recovery, brown, orange, grey sand / ash
	8-12	0		Black ash, trash, brown silty clay
	12-16	0		Brown clay
GS-29	0-4	0	8	Asphalt, fill gravel, sintered brick, sand, tan ash, brown silty clay
	4-8	0		Low recovery, grey ash, gravel, black ash
	8-12	0		Low recovery, black trash, organics, gravel, sand
	12-16	0		Low recovery, black organics, silty sand
	16-20	0		Brown clay
GS-30	0-4	0	6	Asphalt, fill grey sand / gravel, cinder, orange, tan, grey ash, glass
	4-8	0		Fill grey, brown ash, cinders, brick, organics
	8-12	0		Fill, brown ash, brick, visible sheen, brown silty clay
	12-16	0		Brown clay

TABLE

132 DINGENS STREET - BCP SITE INVESTIGATION

FIELD MEASUREMENTS FOR SOIL BORINGS & TEST PITS

SOIL BORING ID NUMBER	DEPTH INTERVAL (ft)	SOIL PID READINGS (ppm)	WATER AT (ft bgs)	REMARKS
GS-31	0-4	0	7	Asphalt, fill gravel / sand, ash, cinder, orange ash
	4-8	0		Low recovery, grey, tan ash, glass
	8-12	0		Black ash, cinders, glass, brown clay
	12-16	0		Brown clay
GS-32	0-4	0	11	Topsoil, sand, gravel, trash, grey concrete, sand, black ash
	4-8	0		Fill, cinder, gravel, glass, grey, orange, tan ash, coal
	8-12	0		Fill, ash, cinder, brick, grey / black
	12-16	0		Fill, black ash, trash
	16-20	0		Brown clay
GS-33	0-4	0	8	Topsoil, sand, gravel, trash, grey concrete, sand, black ash
	4-8	0		Fill, brick, orange, tan, black, ash, glass, coal
	8-12	0		Fill, ash, brick, low recovery
	12-16	0		Brown clay
	16-20	0		Brown clay
GS-34	0-4	0	8	Topsoil, grey sand, ash, fill
	4-8	0		Fill, grey ash, orange, tan, black ash, coal
	8-12	0		Fill, red brick, brown silty clay
	12-16	0		Brown clay
MW-1	0-2	0	6	Fill, grey gravel
	2-4	0		Black, brown, orange sandy gravel, fill
	4-6	0		Fill, grey, tan, sand, glass, ash
	6-8	0		Fill, black, tan, with ceramic pieces
	8-10	0		Black, grey, tan incinerator ash
	10-12	0		Black, grey, tan incinerator ash
	12-14	0		Black, grey ash, brown clay
	14-16	0		Brown clay
MW-2	0-2	0	6	Fill, grey gravel
	2-4	0		Fill, incinerator ash
	4-6	0		Fill, silty sand
	6-8	0		Black silty sand
	8-10	0		Black organic material, gravel
	10-12	0		Black silty sand
	12-14	0		Black organic material, sandy silt
	14-16	0		Brown clay
	16-18	0		Refusal, wet material slipped out
MW-3	0-2	0	6	Sand gravel / glass
	2-4	0		Fill, incinerator ash
	4-6	0		Fill ash
	6-8	0		Fill, silty sand
	8-10	0		Clay, silt, rock
	10-12	0		Clay, silt, rock
	12-14	0		Clay
	14-16	0		Brown Clay
MW-4	0-2	0	12	Fill
	2-4	0		Brown / grey silty clay
	4-6	0		Light brown silty clay
	6-8	0		Light brown silty clay
	8-10	0		Light brown silty clay
	10-12	0		Light brown to grey silty clay
	12-14	0		Grey wet clay
	14-16	0		Sandy clay, refusal
	16-18	0		Grey wet clay
	18-20	0		Grey with reddish clay
	20-22	0		Grey wet clay, reddish tinge
	22-24	0		Grey wet clay, reddish tinge

TABLE

132 DINGENS STREET - BCP SITE INVESTIGATION

FIELD MEASUREMENTS FOR SOIL BORINGS & TEST PITS

SOIL BORING ID NUMBER	DEPTH INTERVAL (ft)	SOIL PID READINGS (ppm)	WATER AT (ft bgs)	REMARKS
MW-5	0-2	0	6	Grey fill
	2-4	0.4		Grey to black sandy fill
	4-6	0		Sandy gravel
	6-8	5.3		Little recovery, wet gravel
	8-10	8.7		Black sandy gravel / silty clay
	10-12	5.1		Black sandy gravel / silty clay
	12-14	1.3		Dark grey clay, gravel
	14-16	0		Brown clay
	16-18	0		Grey clay / gravel, grey clay
	18-20	0		Grey with reddish tint clay
MW-6	0-2	0	11	Topsoil, gravel / sand fill
	2-4	0		Organics, brick, gravel, fill
	4-6	0		No recovery
	6-8	0		Low recovery, organics, sandy, fill
	8-10	0		Orange / brown ash, grey ash
	10-12	0		Grey ash, trash, low recovery
	12-14	0		Grey ash, trash, low recovery
	14-16	0		Black ash, fill, trash
	16-18	0		Brown clay
	18-20	0		Brown clay
MW-7	0-2	0	8	Topsoil, gravel
	2-4	0		Brown silty sand
	4-6	0		Brown, tan, organics, ash, sand
	6-8	0		Low recovery, tan, silty sand
	8-10	0		Brown, tan ash, grey ash, gravel
	10-12	0		Black ash, silty clay, clay
	12-14	0		Brown clay
	14-16	0		Brown clay
MW-8	0-2	0	6	Fill, grey
	2-4	0		sandy gravel, black fill
	4-6	0		Black / brown sandy gravel fill
	6-8	0		Wet gravel
	8-10	0		Black sandy gravel, silty clay
	10-12	0		Black sandy gravel, silty clay
	12-14	0		Dark grey clay, gravel
	14-16	0		Brown clay
	16-18	0		Grey clay, gravel, grey clay
	18-20	0		Grey clay with reddish tint

TABLE

132 DINGENS STREET - BCP SITE INVESTIGATION
FIELD MEASUREMENTS FOR SOIL BORINGS & TEST PITS

SOIL BORING ID NUMBER	DEPTH INTERVAL (ft)	SOIL PID READINGS (ppm)	WATER AT (ft bgs)	REMARKS
Background	atmosphere	0	--	Initial reading
GS-35	0-4	0	13	Concrete, fill, sand, gravel, brown sand, cinders, ash
	4-8	0		Grey clay, cinder, brick, grey ash, glass
	8-12	0		Fill, sand gravel, dark brown silty sand, cinders
	12-16	0		Low recovery, fill, black organics
	16-20	0		Black organics, brown clay
GS-36	0-4	0	11	Concrete, fill, sand, gravel, cinder, ash
	4-8	0		Brown clay, grey ash, cinder, orange ash, trash, leather
	8-12	0		Dark grey ash, sand, brick, ash, wood, silty sand
	12-16	0		Fill ash, tan clay
GS-37	0-4	0	7	Asphalt, sand, gravel fill, cinders, orange, black ash
	4-8	0		Brown ash, grey ash, glass, ceramic, black ash
	8-12	0		Black ash, glass, trash, tan clay
GS-38	0-4	0	10	Topsoil, fill, brick, wood, ash, black silty sand
	4-8	0		Olive slag, grey, brown, orange ash, brick
	8-12	0		Fill, grey ash, brick and slag chips
	12-16	0		Fill, grey ash to black, slag chips
	16-20	0		Grey ash, brick chips, brown clay
GS-39	0-4	0	7	Top soil, grey, tan, orange ash, brick chips
	4-8	0		Fill ash, brick chips, ceramics, glass, fabric, metal
	8-12	0		Fill ash, black organics, tan clay
	4-8	0		Fill, orange, tan, grey ash, brick chips, glass
	8-12	0		Fill, ash, ceramic, brick, brown clay, black ash
	12-16	0		Black organics, brown clay
TS-1A	0-4	0	7	Topsoil, fill, brown ash, gavel, brick, orange ash
	4-8	0		Fill, ash, slag, wood, glass
MW-7A	0-4	0		Topsoil, fill, gravel, brown ash, slag, brick, brown silty sand
	4-8	0		Fill, slag, brown, tan, white ash, red brick chips
TS-4A	0-4	0		Topsoil, fill, black, orange, tan ash, brick chips
	4-8	0		Fill, black, white, orange ash, wood, brown clay
GS-20A	0-4	0		Topsoil, brown, grey ash, brown silty sand, glass, brick
	4-8	0		Fill, grey, orange ash, chips
TS-8	0-4	0	5	Topsoil, slag, sand, gravel, trash, bottles, brick
	4-8	0		Fill, grey ash, metal, wood, black organics, grey clay
TS-9	0-4	0	7	Topsoil, fill, sand, gravel, ash, glass, trash, metal
	4-8	0		Fill, trash, glass, stone, ash
TS-10	0-4	0	6	Topsoil, fill, gravel, wood, roots, ash
	4-8	0		Fill ash, brick chips, glass
TS-11	0-4	0		Topsoil, fill, concrete, wire, tires, drum
	4-8	0		Fill, concrete, brick, sand, gravel
TS-12	0-4	0		Topsoil, fill, ash, trash, glass, brick, metal
	4-8	0		Fill, orange, grey ash, trash

TABLE

132 DINGENS STREET - BCP SITE INVESTIGATION
FIELD MEASUREMENTS FOR SOIL BORINGS & TEST PITS

SOIL BORING ID NUMBER	DEPTH INTERVAL (ft)	SOIL PID READINGS (ppm)	WATER AT (ft bgs)	REMARKS
TS-13	0-4	0		Topsoil, fill, orange, black ash, trash, glass, rock
	4-8	0		Fill, grey, orange ash
TS-14	0-4	0		Topsoil, fill, ash, sand, gravel, trash, brick, glass
	4-8	0		Fill, grey, orange, black ash, trash
TS-5	0-4	0		Topsoil, fill, brown, grey, orange ash, trash, metal
	4-8	0		Fill, tan ash, metal, brick, glass
TS-15	0-4	0		Topsoil, fill, brown ash, grey ash, trash
	4-8	0		Fill, bricks, dark sand, ash, stones, glass
TS-16	0-4	0		Crushed stone, fill, brown, orange, grey ash, trash, metal, glass
	4-8	0		Fill, grey, black, orange ash, stones, trash
TS-17	0-4	0	8	Crushed stone, brown, grey, orange ash, trash, gravel, metal
	4-8	0		Fill, ash, brick chips, glass, trash

APPENDIX D

FIELD REPORTS

FIELD REPORT

RE: 132 Dingens Street – BCP Remedial Investigation
Monitoring Well Soil Sampling

<table>
<tr><td>DATE ON SITE</td><td>Jul 17 - 19, 2012</td></tr>
<tr><td>ACTIVITIES</td><td>MW Soil sampling and analysis – (8) Monitoring Wells</td></tr>
<tr><td>FIELD MEASUREMENTS</td><td>
<table>
<tr><td>MW-1</td><td>MW-2</td><td>MW-3</td><td>MW-4</td><td>MW-5</td><td>MW-6</td><td>MW-7</td><td>MW-8</td></tr>
<tr><td>0</td><td>0</td><td>0</td><td>0</td><td>0 – 8.7</td><td>0</td><td>0</td><td>0</td></tr>
</table>
Photoionization Detector (PID) in ppm</td></tr>
<tr><td>SOIL SAMPLING</td><td>Procedures:
Record descriptions of soil core samples
Photograph core samples
Field test for VOCs with PID meter
Take lab samples
Sampling:
VOCs
SVOCs
Pesticides / PCBs
Metals</td></tr>
<tr><td>MONITORING WELL INSTALLATIONS</td><td>Observations:
Well depths were from 16’ to 23’
Drill cuttings were put into steel drums for disposal</td></tr>
<tr><td>PLANNED ACTIVITIES</td><td>BCP Remedial Investigation</td></tr>
</table>

FIELD REPORT

RE: 132 Dingens Street – BCP Remedial Investigation
Geoprobe Soil Sampling

DATE ON SITE	Jul 23 - 24, 2012
ACTIVITIES	Geoprobe Soil sampling and analysis – (18) geoprobes
FIELD MEASUREMENTS	Photoionization Detector (PID) • VOCs are measured in ppm • No VOCs were detected
SOIL SAMPLING	Procedures: • Record descriptions of soil core samples • Photograph core samples • Field test for VOCs with PID meter • Take lab samples Sampling: • VOCs • SVOCs • Pesticides / PCBs • Metals
GEOPROBE OPERATIONS	Observations: • Sample depths were from 12' to 20' • Soil samples were put back down bore holes
PLANNED ACTIVITIES	• BCP Remedial Investigation

FIELD REPORT

RE: 132 Dingens Street – BCP Remedial Investigation
Groundwater Sampling

<table>
<tr><td>DATE ON SITE</td><td>Aug 30 - 31, 2012</td></tr>
<tr><td>ACTIVITIES</td><td>Groundwater sampling and analysis – (8) Monitoring Wells</td></tr>
<tr><td>FIELD MEASUREMENTS</td><td>
<table>
<tr><th>pH (s.u.)</th><th>Turbidity (ntu)</th><th>Sp.Cond. (µS)</th><th>TDS (ppm)</th><th>Temp (^{o}C)</th><th>ORP (mV)</th></tr>
<tr><td>7.0 – 7.9</td><td>8.6 - >100</td><td>696 - 1752</td><td>62 - 876</td><td>17.1 – 22.1</td><td>-138 - 67</td></tr>
</table>
</td></tr>
<tr><td>GROUNDWATER SAMPLING</td><td>Procedures:
Record water level in well
Do (3) field tests before sampling
Use bailer for purging / sampling
Remove (3) well volumes before taking Lab Samples
Leave bailers in monitoring wells
Sampling:
TCL Volatile Organics
TCL Semivolatile Organics
Pesticides / PCBs
TAL Metals
Cyanide</td></tr>
<tr><td>MONITORING WELLS</td><td>Observations:
MW-4 has a very slow recovery rate. Lab Samples had to be taken later in the day after the Field Samples to allow the well to recharge.
MW-6 and MW-7 do not have locks on the metal casings</td></tr>
<tr><td>PLANNED ACTIVITIES</td><td>BCP Remedial Investigation</td></tr>
</table>

FIELD REPORT

RE: 132 Dingens Street – BCP Remedial Investigation
Geoprobe Soil Sampling

DATE ON SITE	Sep 21, 2012
ACTIVITIES	Geoprobe Soil sampling and analysis – (10) geoprobes
FIELD MEASUREMENTS	Photoionization Detector (PID) • VOCs are measured in ppm • No VOCs were detected
SOIL SAMPLING	Procedures: • Record descriptions of soil core samples • Photograph core samples • Field test for VOCs with PID meter • Take lab samples Sampling: • VOCs • SVOCs • Pesticides / PCBs/Total Cyanide • Metals • Total Lead • TCLP Lead
GEOPROBE OPERATIONS	Observations: • Sample depths were from 8’ to 20’ • Soil samples were put back down bore holes
PLANNED ACTIVITIES	• BCP Remedial Investigation

FIELD REPORT

RE: 132 Dingens Street – BCP Remedial Investigation
Test Pit Soil Sampling

DATE ON SITE	Sep 25, 2012
ACTIVITIES	Test Pit Soil sampling and analysis – (11) test pits
FIELD MEASUREMENTS	Photoionization Detector (PID) • VOCs are measured in ppm • No VOCs were detected
SOIL SAMPLING	Procedures: • Record descriptions of soil • Photograph test pits • Field test for VOCs with PID meter • Take lab samples Sampling: • VOCs • SVOCs • Pesticides / PCBs/Total Cyanide • Metals • Total Lead • TCLP Lead
TEST PIT OPERATIONS	Observations: • Sample depths were from 8’ to 12’ • Test pits were immediately filled in with the excavated material
PLANNED ACTIVITIES	• BCP Remedial Investigation

FIELD REPORT

RE: 132 Dingens Street – BCP Remedial Investigation
Groundwater Sampling

<table>
<tr><td>DATE ON SITE</td><td>Apr 24 - 26 and 30; May 1, 2013</td></tr>
<tr><td>ACTIVITIES</td><td>Groundwater sampling and analysis – (8) Monitoring Wells</td></tr>
<tr><td>FIELD MEASUREMENTS</td><td>
<table>
<tr><th>pH (s.u.)</th><th>Turbidity (ntu)</th><th>Sp.Cond. (µS)</th><th>TDS (ppm)</th><th>Temp (^{o}C)</th><th>ORP (mV)</th></tr>
<tr><td>6.9 – 9.2</td><td>6.2 - 95</td><td>980 - 2580</td><td>138 - 1285</td><td>8.3 – 15.9</td><td>-118 - 48</td></tr>
</table>
</td></tr>
<tr><td>GROUNDWATER SAMPLING</td><td>Procedures:
Record water level in well
Do (3) field tests before sampling
Target pumping rate is 120 ml / min
Remove (3) well volumes before taking Lab Samples
Do not reduce the water level by more than 3”
Take field measurements of SP. COND. for some wells throughout the procedure
Sampling:
TCL Volatile Organics
TCL Semivolatile Organics
Pesticides / PCBs
TAL Metals
Cyanide</td></tr>
<tr><td>MONITORING WELLS</td><td>Observations:
MW-4 has a very slow recovery rate. Samples had to be taken on (2) different days.
MW-6 and MW-7 do not have locks on the metal casings</td></tr>
<tr><td>PLANNED ACTIVITIES</td><td>BCP Remedial Investigation</td></tr>
</table>

APPENDIX E

WELL PURGING AND SAMPLING RECORDS

IEG	GROUNDWATER SAMPLING RECORD						Page 1 of 1	
PROJECT	132 Dingens Street				**DATE**	Aug 30, 2012 - Aug 31, 2012		
LOCATION	Buffalo, NY				**ON SITE**	Dharma Iyer		
CLIENT	132 Dingens St. LLC					Richard Allen		
WEATHER	Sunny, warm				**LAB**	Test America		
WELL NUMBER	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**MW-6**	**MW-7**	**MW-8**
Time	11:00 AM	11.45 am	9:45 AM	8:00 AM	9:30 AM	3:00 PM	2:00 PM	10:30 AM
Depth of Well	14.17	14.68	14.6	21.3	14.55	19.88	16.97	19.88
Water Depth	7.36	8.18	7.77	7.48	5.57	13.43	11.38	6.72
Length of Water Column	6.81	6.5	6.83	13.82	8.98	6.45	5.59	12.93
Inside Diameter	2	2	2	2	2	2	2	2
Well Volume (gal)	1.2	1.74	1.2	2.4	1.57	1.13	0.97	2.3
Three Well Volumes (gal)	3.6	3.41	3.6	7.3	4.7	3.39	2.93	6.9
Volume removed (gal)	4.5		4.5	7.5	5	4	4	7
Rate	-----	-----	-----	-----	-----	-----	-----	-----
Product	-----	-----	-----	-----	-----	-----	-----	-----
Purging Device	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer
Sampling Device	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer
Decon Method	Distilled Water	Distilled Water	Distilled Water	Distilled Water	Distilled Water	Distilled Water	Distilled Water	Distilled Water
SAMPLES TAKEN		+MS/MSD			DUP			
TCL Volatile Organics	UF	UF	UF	UF	UF	UF	UF	UF
TCL Semivolatile Organics	UF/F	UF/F	UF/F	UF/F	UF/F	UF/F	UF/F	UF/F
Pesticides / PCBs	UF	UF	UF	UF	UF	UF	UF	UF
TAL Metals	UF/F	UF/F	UF/F	UF/F	UF/F	UF/F	UF/F	UF/F
Cyanide	UF	UF	UF	UF	UF	UF	UF	UF
PARAMETERS								
COLOR	Dark grey		Brown grey	Brown	Clear / dark grey	Clear / dark grey	Clear / light grey	Grey
ODOR	-----		-----	none	-----	-----	none	-----
ORP (mv)	-115/-101/-101	-122 / -137 / -138	-82 / -95 / -116	-15 / 67	-111 / -120 / -128	-088 / -098 / -107	-096 / -094 / -090	-60 / -72 / -73
Ph (s.u.)	7.0 / 7.3 / 7.08	7.02 / 7.16 / 7.30	7.0 / 8.5 / 7.2	7.5 / 7.9	7.65 / 7.61 / 7.33	7.21 / 7.01 / 7.35	7.32 / 7.26 / 7.29	7.12 / 7.06 / 7.06
TEMP (c)	21.2 / 19.6 / 20.1	21.6 / 18.5 / 18.6	19.5 / 18.0 / 18.2	17.1 / 16.6	22.1 / 22.1 / 21.5	18.8 / 21.1 / 18.5	19.6 / 19.5 / 17.6	19.5 / 21.1 / 21.0
TURBIDITY (ntu)	21 / >100 / >100	38 / >100 / >100	69 / >100 / >100	14.5 / >100	8.57 / >100 / >100	15.7/ 11.8 / >100	7.36 / 293 / 222	34 / 93 / >100
SP. COND. (umhos)	1184 / 1260 / 1282	1436 /1752 / 1686	696 / 1340 / 1472	1242 / 912	1524 / 1703 / 1688	1190 / 1188 /1552	999 / 1000 / 996	1236 / 1040 / 1058
TDS (mg/L)	592 / 630 / 641	718 /876 / 843	348 / 670 / 736	62 / 456	821 / 852 / 845	593 / 589 / 775	499 / 496 / 496	618 / 520 / 529

NOTES

Length of Water Column = Depth of Well - Water Depth; Well volume (gal) = **0.175** x length of water column in ft

UF = unfiltered; F = Filtered by laboratory

IEG	GROUNDWATER SAMPLING PURGE WATER MONITORING		Page 1 of 1
PROJECT	**132 Dingens St**	**DATE**	**Apr 26 - May 1, 2013**
LOCATION	**Buffalo, NY**	**ON-SITE**	**Dharma Iyer**
CLIENT	**Pinto Construction**		**Richard Allen**
WEATHER	**Partly cloudy, cool**	**LAB**	**Test America**

WELL NUMBER	**MW-5**	**MW-7**	**MW-8**
Time	9:30 AM	10:00 AM	10:00 AM
Well Volume (gal)	1.8	1.33	2.5
Three Well Volumes (gal)	5.4	4	7.4
Volume removed (gal)	5 + 4	4.2	5 + 2.5
Rate	30 ml/m	150 ml/m	120 to 150 ml/m
Purging Device	Low Flow Pump	Low Flow Pump	Low Flow Pump
PARAMETER Sp. Cond. (umhos)			
Beginning	276	1228	1044
0.5 Gal	685		
1.0 Gal	2580		
1.5 Gal			
2.0 Gal	2598	1192	989
2.5 Gal	2580		
3.0 Gal	2569	1171	985
3.5 Gal	2549		
4.0 Gal	2522	1149	987
4.5 Gal			
5.0 Gal	2493		986
5.5 Gal	2502		
6.0 Gal			989
6.5 Gal			
7.0 Gal			979
After Sampling		1160	962

NOTES

Length of Water Column = Depth of Well - Water Depth; Well volume (gal) = _**0.175**_ x length of water column in ft

IEG

GROUNDWATER SAMPLING RECORD
LOW FLOW SAMPLING METHOD

PROJECT 132 Dingens Street
DATE Apr 25, 2013 - May 1, 2013
LOCATION Buffalo, NY
ON SITE Dharma Iyer
CLIENT Pinto Construction
Richard Allen
WEATHER Partly cloudy, cool
LAB Test America

WELL NUMBER	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
Time	9:00 AM	9:00 AM	9:00 AM	9:30 AM	9:30 AM	9:30 AM	10:00 AM	10:00 AM
Depth of Well	14.16	14.6	14.6	21.3	14.69	19.93	16.97	19.86
Water Depth	6.04	5.65	6.59	7.18	4.42	11.93	9.37	5.76
Length of Water Column	8.12	8.95	8.01	14.12	10.27	8	7.6	14.1
Inside Diameter	2"	2"	2"	2"	2"	2"	2"	2"
Well Volume (gal)	1.42	1.6	1.4	2.5	1.8	1.4	1.33	2.5
Three Well Volumes (gal)	4.26	4.8	4.2	7.4	5.4	4.2	4	7.4
Volume removed (gal)	5 + 2	5 + 2	5 + 5	2.5	5 + 4	4.5	4.2	5 + 2.5
Rate	150 ml/m	30 ml/m	120 ml/m	120 ml/m	30 ml/m	150 ml/m	150 ml/m	120 ml/m - 150 ml/m
Product	-----	-----	-----	-----	-----	-----	-----	-----
Purging Device	Low Flow Pump	Low Flow Pump	Low Flow Pump	Low Flow Pump	Low Flow Pump	Low Flow Pump	Low Flow Pump	Low Flow Pump
Sampling Device	Low Flow Pump	Low Flow Pump	Low Flow Pump	Low Flow Pump	Low Flow Pump	Low Flow Pump	Low Flow Pump	Low Flow Pump
Decon Method	Distilled Water Dedicated Tubing	Distilled Water Dedicated Tubing	Distilled Water Dedicated Tubing	Distilled Water Dedicated Tubing	Distilled Water Dedicated Tubing	Distilled Water Dedicated Tubing	Distilled Water Dedicated Tubing	Distilled Water Dedicated Tubing
SAMPLES TAKEN			+Trip Blank					
TCL Volatile Organics	UF	UF	UF	UF	UF	UF + DUP / F	UF + DUP / F	UF + MS/MSD
TCL Semivolatile Organics	UF	UF	UF	UF	UF	UF + DUP / F	UF + DUP / F	UF + MS/MSD
Pesticides/PCBs	UF	UF	UF	UF	UF	UF + DUP	UF	UF + MS/MSD
TAL Metals	UF	UF	UF	UF	UF	UF + DUP	UF	UF + MS/MSD
Cyanide	UF	UF	UF	UF	UF	UF + DUP	UF	UF + MS/MSD
PARAMETERS	0 % / 50 % / 100 %	0 % / 50 % / 100 %	0 % / 50 % / 100 %	0 % / 50 % / 100 %	0 % / 50 % / 100 %	0 % / 50 % / 100 %	0 % / 50 % / 100 %	0 % / 50 % / 100 %
COLOR	clear/clear/clear	clear/ clear / clear	clear/clear/clear	clear/clear	clear/clear/clear	clear-solids/clear/clear	clear/clear/clear	Slight Turb/clear/clear
ODOR	---- / odor / ----	---- / ---- / ----	Musty/sulphur /sulpher	---- / ----	---- / ---- / ----	---- / ---- / ----	---- / ---- / ----	---- / ---- / ----
ORP (mv)	-98 / -102 / -105	42 / -100 / -104	-102 / -75 / -101	48 / -018	32 / -114 / -101	-47 / -118 / -96	-107 / -98 / 74	15 / -022 / -011
Ph (s.u.)	7.08/ 6.95 / 7.02	7.24 / 7.24 / 7.56	7.2 / 7.2 / 7.1	7.57 / 7.31	9.19 / 7.64 / 7.88	7.1 / 7.15 / 7.32	7.12 / 7.11 / 7.10	7.14 / 6.99 / 6.95
TEMP (c)	10.7/ 14.7 / 13.0	8.3 / 10.9 / 10.6	13.2 / 12.2 / 12.9	13.6 / 14.7	11.4 / 12.2 / 10.6	16.7 / 15.9 / 15.7	13.6 / 13.6 / 12.6	13.6 / 14.0 / 14.4
TURBIDITY (ntu)	8.5 / 8.7 / 6.2	9.0 / 7.6 / 6.3	12 / 8.0 / 6.3	23 / 8	7.5 / 9.8 / 7.6	95 / 21 / 11	45 / 8.5 / 6.9	32 / 10 / 9.1
SP. COND. (umhos)	1460 / 1635/ 1622	426 / 1231 / 1288	902 / 868 / 886	1108 / 1051	276 / 2580 / 2502	1236 / 1184 / 1150	1228 / 1192 / 1149	1044 / 987 / 980
TDS (mg/L)	730 / 811 / 811	213 / 602 / 647	451 / 434 / 443	554 / 525	138 / 1285 / 1251	618 / 592 / 575	614 / 596 / 572	522 / 490 / 488

NOTES

Fierld parameters are reported at 0%, 50% and 100% of total purge volumes

UF = unfiltered; F = filtered by laboratory; DUP = field duplicate

Length of Water Column = Depth of Well - Water Depth; Well volume (gal) = **0.175** x length of water column in ft

IEG

GROUNDWATER LEVEL MEASUREMENTS- FIELD RECORD

PROJECT: 132 DINGENS ST. SITE

DATE: 11-Jun-13

LOCATION: 132 Dingens St., Buffalo, NY

ON-SITE: R. Allen

CLIENT: 132 DINGENS ST LLC

WEATHER: Cloudy, warm

WELL NUMBER	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
NORTHING	1049039.3	1049309.4	1049020.3	1048693.1	1049275.4	1049631.3	1049446.8	1048846.1
EASTING	1087000.6	1087413.9	1087253.2	1087441.6	1087710.0	1088007.7	1088211.7	1087644.1
GROUND ELEVATION (ft)	601.50	602.45	600.34	597.24	598.58	604.28	601.47	598.19
TOR ELEVATION (ft)	601.23	602.15	600.13	596.73	598.34	607.14	604.36	597.99
DEPTH TO BOTTOM FROM TOR (ft)	14.17	14.68	14.60	21.30	14.55	19.88	16.97	19.88
BOTTOM ELEVATION (ft)	587.33	587.52	585.50	575.40	583.75	587.22	587.43	578.32
Depth to Bottom from TOR (ft)	-----	-----	-----	-----	-----	-----	-----	-----
Depth to Water from TOR (ft)	5.73	6.22	6.45	7.01	4.21	11.4	8.98	5.49
Bottom Elevation (ft. amsl))	-----	-----	-----	-----	-----	-----	-----	-----
Water Elevation (ft. amsl))	595.50	595.93	593.68	589.72	594.13	595.74	595.38	592.50

REMARKS: MW-6 and MW-7 do not have locks on the protective metal casings. MW-7has no wire on the casing cap as does MW-6.

IEG

GROUNDWATER LEVEL MEASUREMENTS- FIELD RECORD

PROJECT: 132 DINGENS ST. SITE

DATE: 14-Nov-12

LOCATION: 132 Dingens St., Buffalo, NY

ON-SITE: R. Allen

CLIENT: 132 DINGENS ST LLC

WEATHER: Cloudy, cool

WELL NUMBER	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
NORTHING	1049039.3	1049309.4	1049020.3	1048693.1	1049275.4	1049631.3	1049446.8	1048846.1
EASTING	1087000.6	1087413.9	1087253.2	1087441.6	1087710.0	1088007.7	1088211.7	1087644.1
GROUND ELEVATION (ft)	601.50	602.45	600.34	597.24	598.58	604.28	601.47	598.19
TOR ELEVATION (ft)	601.23	602.15	600.13	596.73	598.34	607.14	604.36	597.99
DEPTH TO BOTTOM FROM TOR (ft)	14.17	14.68	14.60	21.30	14.55	19.88	16.97	19.88
BOTTOM ELEVATION (ft)	587.33	587.52	585.50	575.40	583.75	587.22	587.43	578.32
Depth to Bottom from TOR (ft)	14.18	14.63	14.6	21.24	14.54	19.87	16.97	19.87
Depth to Water from TOR (ft)	6.31	6.94	6.9	7.13	4.89	12.11	9.65	6.08
Bottom Elevation (ft. amsl))	587.05	587.52	585.53	575.49	583.80	587.27	587.39	578.12
Water Elevation (ft. amsl))	594.92	595.21	593.23	589.60	593.45	595.03	594.71	591.91

REMARKS: MW-6 and MW-7 do not have locks on the protective metal casings. MW-7has no wire on the casing cap as does MW-6.

APPENDIX F

GEOLOGIC CROSS-SECTIONS

NORTH

MW-6
E'
GS-38
A
TS-10
TS-11
TS-9
D'
A'
MW-7
GS-33
B
GS-39
GS-30
GS-40
MW-2
TS-12
GS-26
GS-34
GS-23
MW-5
TS-8
GS-31
GS-37
GS-25
GS-28
GS-29
B'
C
GS-20
TS-15
GS-19
GS-27
GS-21
TS-16
GS-22
MW-3
GS-35
TS-17
GS-17
MW-1
GS-18
E
GS-36
C'
MW-8
GS-24
D
MW-4

DINGENS STREET

LEGEND:

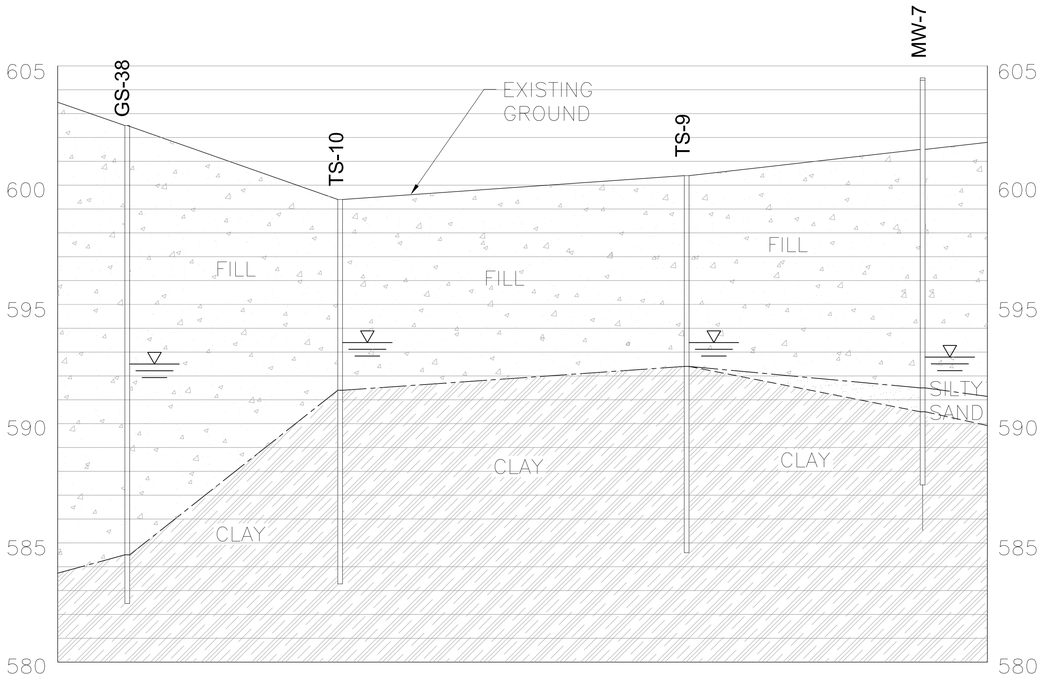
- TESTPIT/SOIL BORING
- GEOPROBE/SOIL BORING
- MONITORING WELL

IEG

SUB-SURFACE CROSS SECTION LOCATION PLAN
132 DINGENS STREET
BUFFALO, NEW YORK

SAMPLE LOCATION

F-1



A — SECTION A-A' — A'

HORIZ SCALE: 1"=30'-0"
VERT SCALE: 1"=3'-0"

B — SECTION B-B' — B'

HORIZ SCALE: 1"=30'-0"
VERT SCALE: 1"=3'-0"

LEGEND:

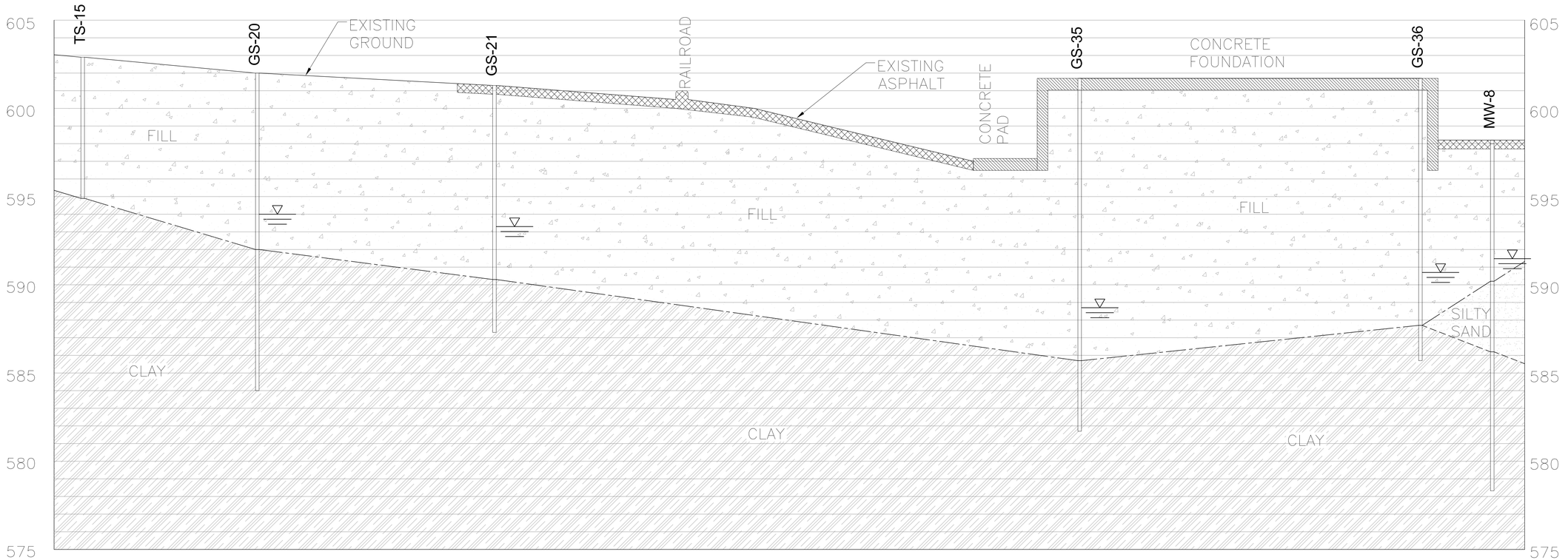
TS	TESTPIT/SOIL BORING
GS	GEOPROBE/SOIL BORING
MW	MONITORING WELL
▽	WATER ELEVATION

FILL
SILTY SAND
CLAY

SUB-SURFACE CROSS SECTION
A-A' & B-B'
132 DINGENS STREET
BUFFALO, NEW YORK

SAMPLE LOCATION

F-2



SECTION C-C'

HORIZ SCALE: 1"=30'-0"
VERT SCALE: 1"=3'-0"

LEGEND:

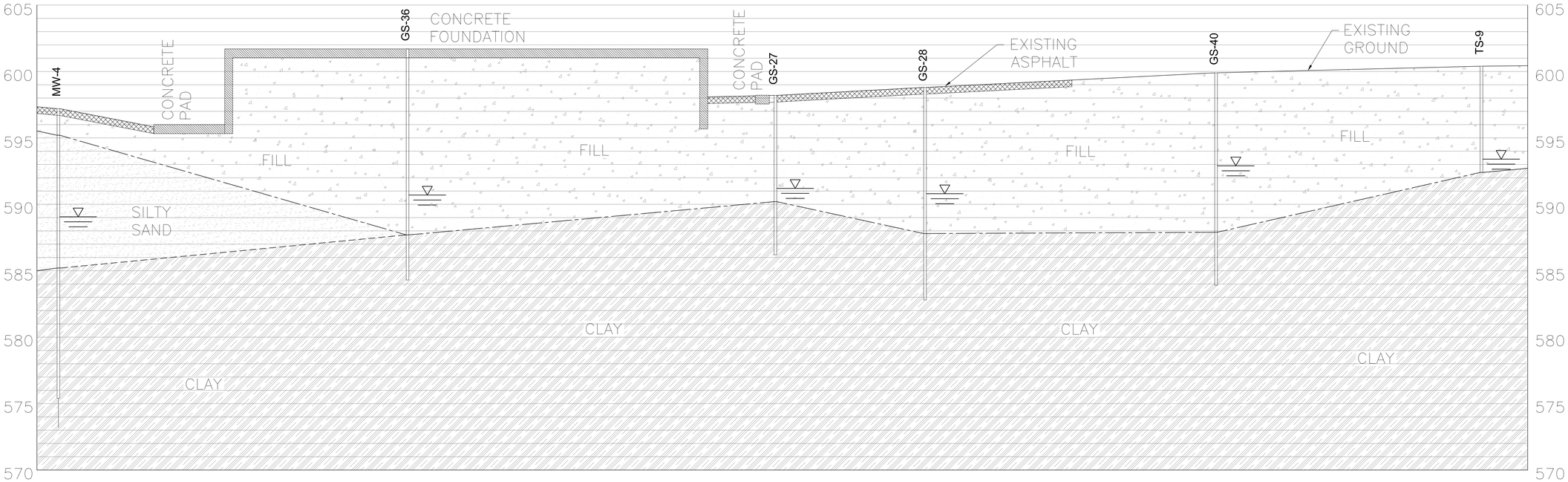
TS	SOIL BORING
GS	SOIL BORING
MW	MONITORING WELL
▽	WATER ELEVATION

FILL
SILTY SAND
CLAY

SUB-SURFACE CROSS SECTION
C-C'
132 DINGENS STREET
BUFFALO, NEW YORK

SAMPLE LOCATION

F-3



D

SECTION D-D'

HORIZ SCALE: 1"=40'-0"
VERT SCALE: 1"=4'-0"

D'

LEGEND:

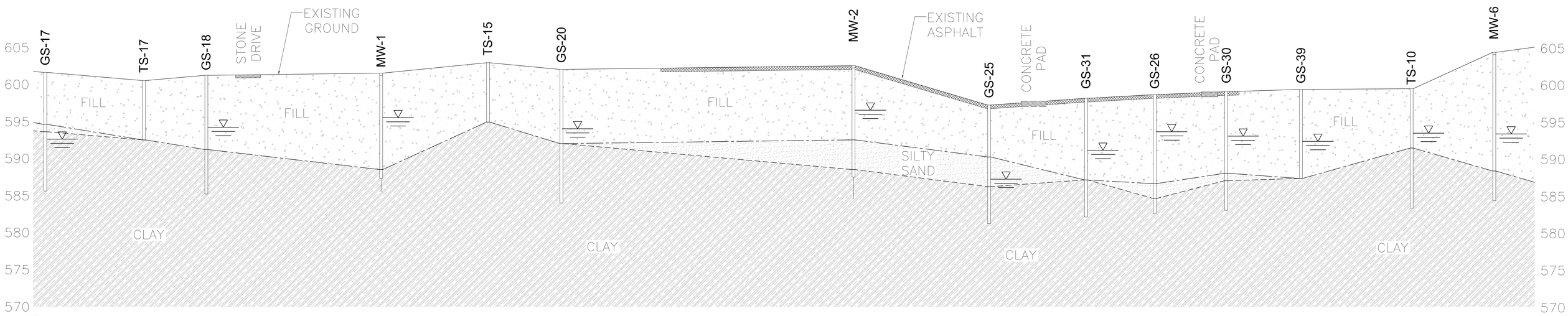
TS	SOIL BORING
GS	SOIL BORING
MW	MONITORING WELL
▽	WATER ELEVATION

FILL
SILTY SAND
CLAY

SUB-SURFACE CROSS SECTION
D-D'
132 DINGENS STREET
BUFFALO, NEW YORK

SAMPLE LOCATION S

F-4



SECTION E-E'

HORIZ SCALE: 1"=60'-0"
VERT SCALE: 1"=6'-0"

LEGEND:

TS	SOIL BORING
GS	SOIL BORING
MW	MONITORING WELL
	WATER ELEVATION
	FILL
	SILTY SAND
	CLAY

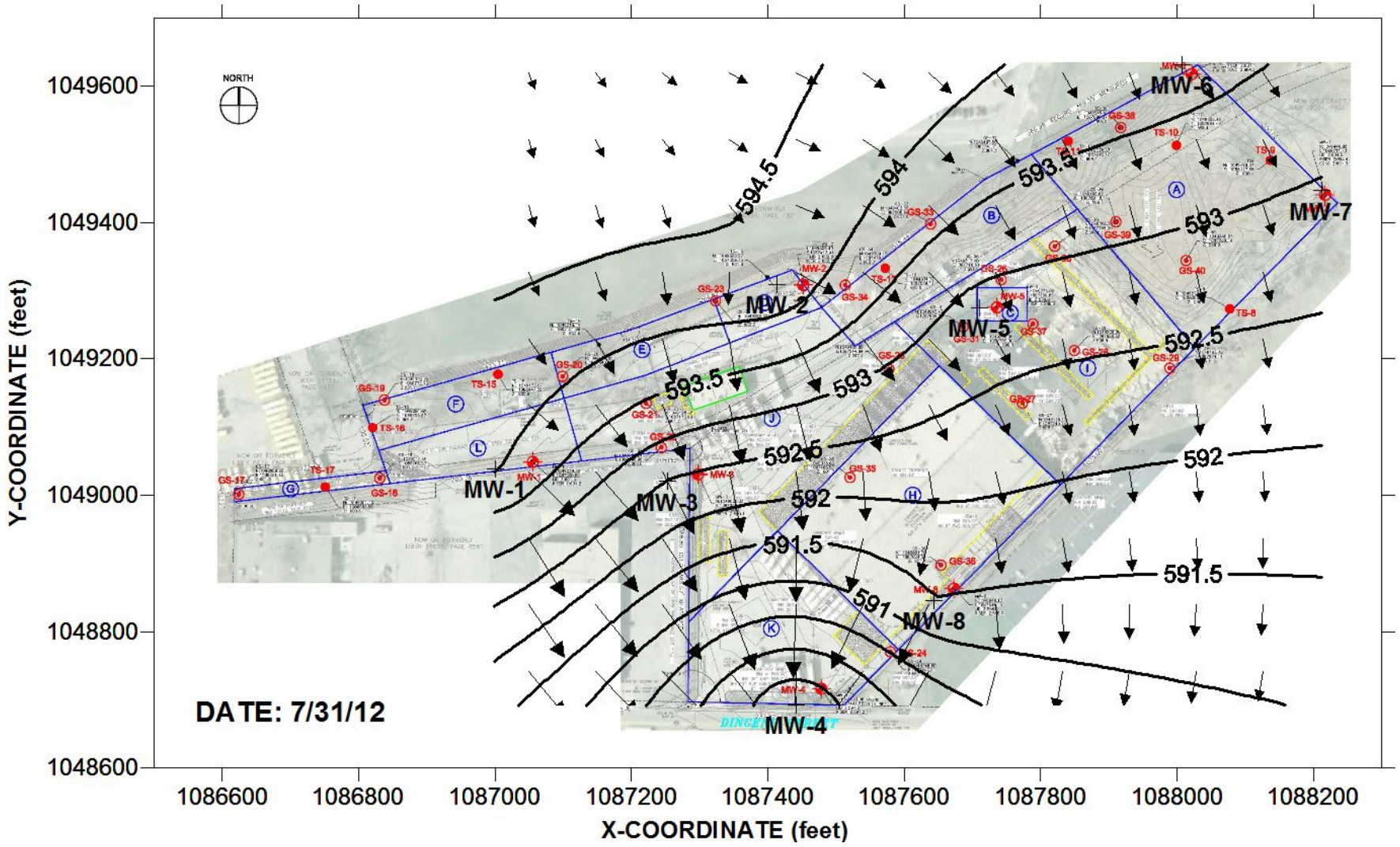
SUB-SURFACE CROSS SECTION
E-E'
132 DINGENS STREET
BUFFALO, NEW YORK

SAMPLE LOCATION

F-5

APPENDIX G

GROUNDWATER CONTOUR PLOTS

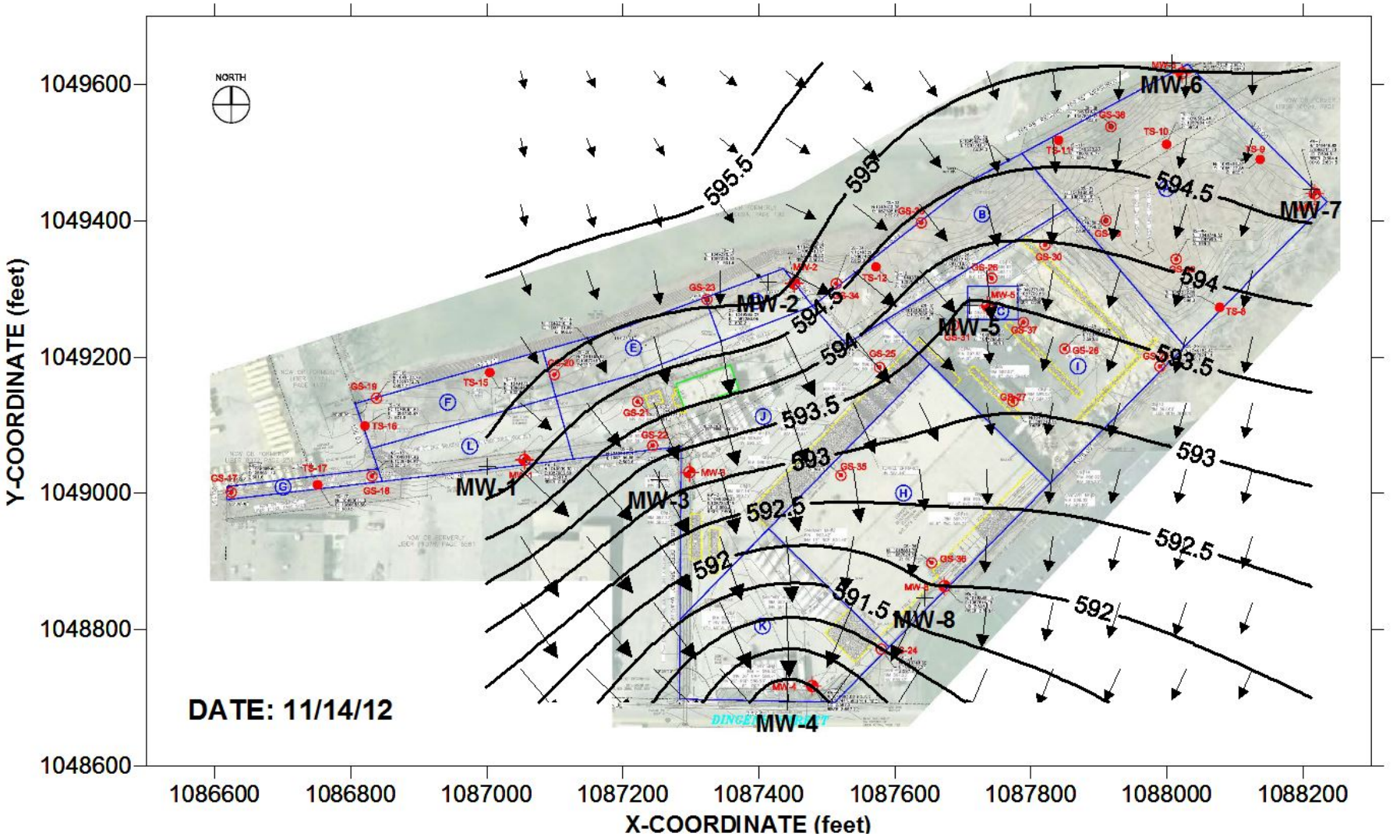


132 DINGENS STREET SITE, BUFFALO, NY

GROUNDWATER CONTOUR MAP – July 2012

FIGURE G-1

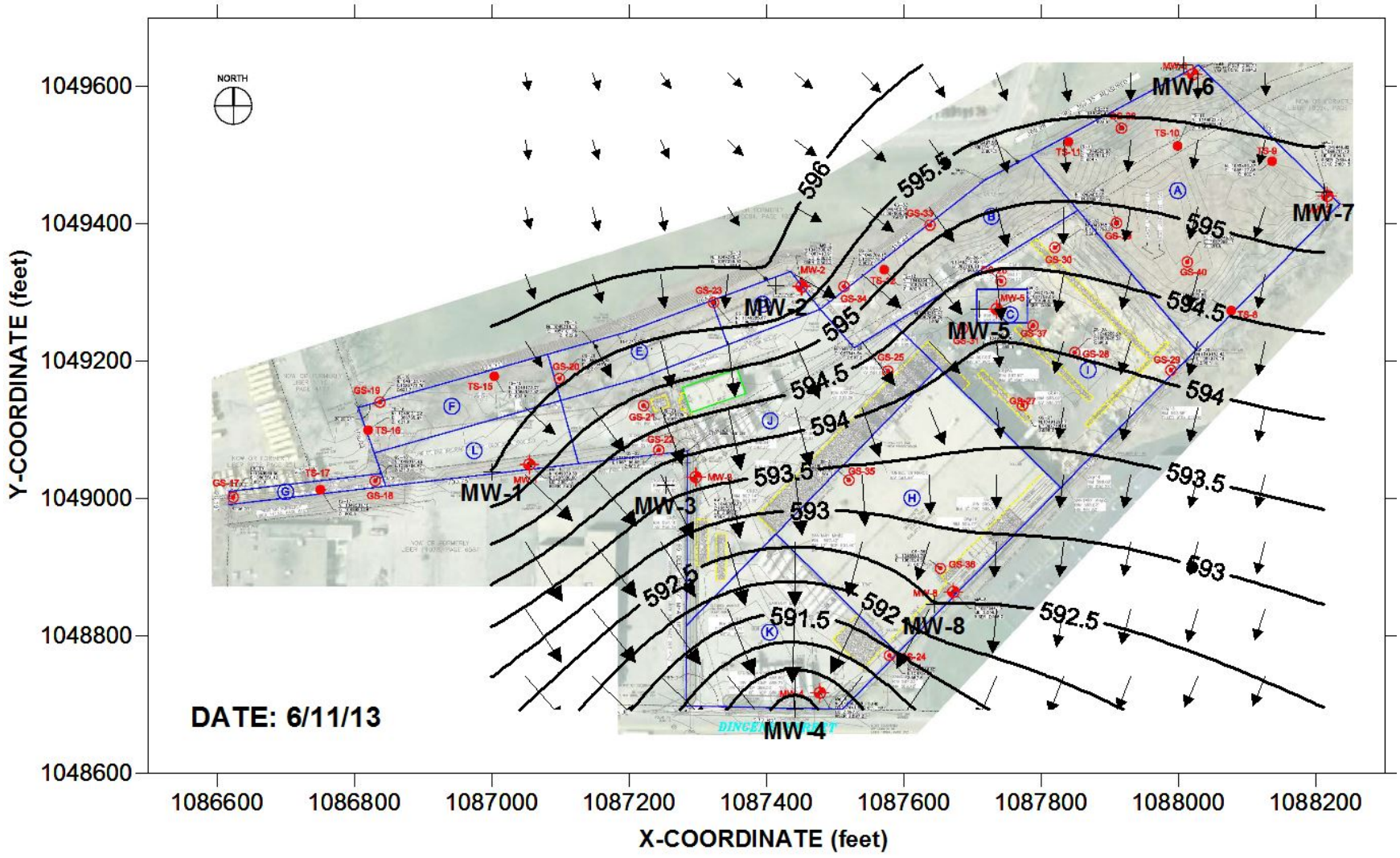
IEG



132 DINGENS STREET SITE, BUFFALO, NY
GROUNDWATER CONTOUR MAP – November 2013

FIGURE G-2

IEG



132 DINGENS STREET SITE, BUFFALO, NY

GROUNDWATER CONTOUR MAP – June 2013

FIGURE G-3

IEG

APPENDIX H

DATA USEABILITY SUMMARY REPORT (DUSR)

<BOUND SEPARATELY>

APPENDIX I

LABORATORY ANALYTICAL DATA (FORM 1S)

<BOUND SEPARATELY>