CONESTOGA-ROVERS
& ASSOCIATES

285 Delaware Avenue, Suite 500, Buffalo, New York 14202
Telephone: 716·856·2142 Facsimile: 716·856·2160
www.CRAworld.com

July 21, 2009

Reference No. 055833-20

Privileged and Confidential
DRAFT

Morgan G. Graham, Esq.
Phillips-Lytle, LLP
3400 HSBC Center
Buffalo, New York 14203-2887

Dear Mr. Graham:

Re: Limited Phase II Site Assessment Summary Report
Leisure Living Property

1130 Niagara Street, Buffalo, New York

Conestoga-Rovers & Associates, Inc. (CRA) is pleased to submit two (2) copies of this draft letter report summarizing the Limited Phase II Environmental Site Assessment (ESA) activities and results of the activities conducted at the Leisure Living property (Site) located at 1130 Niagara Street, Buffalo, New York. The Phase II study was conducted to further evaluate the current conditions regarding potential impacts to soil and/or groundwater at specific locations within the Site. The locations and potential impacts were listed as Recognized Environmental Conditions (RECs) or Business Environmental Risks (BERs) in the Phase I ESA performed in April 2009. A subsequent delineation assessment was performed at two locations on the Site based on the results from the Phase II study field efforts. In addition, an asbestos survey and lead-based paint sampling were conducted at the Site.

1.0 PROJECT UNDERSTANDING

CRA completed the Phase I ESA report dated April 22, 2009. Based on the information available at the time of the investigation, two RECs and three BERs were identified. The RECs appeared to be associated with potential fire fighting runoff impacts and historic underground storage tank (UST) leaks. The identified BERs were historic residences, Site fill, and historic Site usage. Due to the more than 100 years of industrial usage and limited Site operator (Leisure Living personnel) knowledge, Phase II investigative work was recommended for the historical site usage BER. In addition to investigating the identified RECs and BERs, the need to perform lead-based paint sampling and an asbestos survey was identified.

After completion of the Phase I ESA, CRA identified and reviewed available documentation of previous contamination at the Site. Three New York State Department of Environmental Conservation (NYSDEC) spill reports were obtained from the historic UST area (see Figure 1), along with previous soil boring and analytical results placed on file at the NYSDEC. The reviewed files, however, presented an incomplete analysis of the residual contamination.

Furthermore, detection limits were elevated for some samples resulting in inconclusive data. Additionally, soil samples were submitted as a single composite of the entire depth of the soil boring rather than as a discrete sample collected from the soil interval with elevated photoionization detector (PID) readings, thereby masking potential impacts.

2.0 LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT

2.1 PROJECT METHODOLOGY

The Limited Phase II ESA included the installation of 13 soil borings to investigate the RECs and BERs identified in the Phase I report. The soil boring locations are presented on Figure 1. The soil boring portion of the Phase II fieldwork was completed between May 18 and May 20, 2009. Soil boring details are presented on Table 1.

Two soil borings (SB-1and SB-2) were installed north of Gull Street to investigate potential impacts from historical site usage in the northern portion of the Site. As stated in the Phase I ESA' report, a foundry, furnace building and residences historically occupied this portion of the Site and could have potentially impacted the soil and groundwater.

Six soil borings (SB-3 through SB-8) were installed to investigate residual impacts from the removal of three former USTs and historical site usage. The NYSDEC has three spill numbers associated with this portion of the Site. NYSDEC spill number 8707193 was assigned to the Site on November 20, 1987 regarding a cutting oil tank test failure. This spill was closed on January 15, 1988. NYSDEC spill number 9504353 was assigned to the Site on July 10, 1995 regarding a #2 fuel oil tank failure. This spill was closed on July 17, 1995. NYSDEC spill number 0485364 was assigned to the Site on December 23, 2004 regarding a #2 fuel oil spill. This spill was closed on January 23, 2006. As stated above, the spill data available in the NYSDEC files does not provide complete documentation of the residual impacts from the former USTs at the Site.

Three soil borings (SB-9, SB-10, and SB-11) were installed to investigate the potential impacts from the fire fighting runoff. On June 2, 2008, a fire occurred in a portion of the Site building that Leisure Living utilized to store vinyl pool liners and pool chemicals. This portion of the Site building was completely destroyed. Fire fighting water could have mobilized potential contaminants from the burning of the vinyl pool liners and pool chemicals to the Site's soil and groundwater. The NYSDEC issued spill number 0802424 because of this potential impact. The NYSDEC closed this spill number on June 4, 2008.

Two soil borings (SB-12 and SB-13) were installed within the warehouse building to investigate historical site usage impacts. Soil boring SB-12 was installed to investigate potential impacts associated with an open pit located on Site. The pit was reportedly part of an oil/water separator system utilized by Curtis Screw, the Site's former owner. Soil Boring SB-13 was installed to investigate potential impacts associated with the suspected location of a former

solvent parts washer utilized by Curtis Screw.
A truck mounted drill rig using 4 1A-inch diameter hollow stem augers was used to install all of the soil borings except SB-13. SB-13 was installed with a hand auger because the quantity and placement of goods in the warehouse at that time would not allow a drill rig to safely access the selected location. During soil boring installation, soil samples were collected using a 2-inch split-spoon sampler driven in 2-foot increments by a 140 pound drill rig mounted auto-hammer. The soil sample from each split-spoon was classified, scanned with a photoionization detector (PID), and olfactory/visual observations were made.

One sample was collected from each of the soil borings for environmental analysis. The sample depth interval selection was based on the PID and olfactory/visual observations. All samples collected were based on the worst case scenario when possible; however, the amount of soil required to fill the sample containers, in some instances, required soil from the entire soil boring to be submitted for analysis. The soil sample depth interval is included in Table 2. At all locations except SB-5, a soil sample was submitted to Test America Laboratories, for analysis of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, Total Petroleum Hydrocarbons (TPH) diesel range organics (DRO), TPH gasoline range organics (GRO), and polychlorinated biphenyls (PCBs). At location SB-5, groundwater was encountered, thus a grab groundwater sample was collected. The groundwater sample was analyzed for the above-mentioned parameters. Test America also analyzed a field-filtered groundwater sample for dissolved metals. Groundwater was not encountered at the other boring locations during drilling.

2.2 SAMPLING RESULTS AND ASSESSMENT

The intended future use of the Site has not been finalized. However, based on use patterns of nearby properties, the following property uses were assumed for the purpose of assessing sample results:

- Exterior areas would be paved with asphalt and used for access drives to loading docks and parking. Excavation of exterior areas would not be performed.

- Structures would be converted to open commercial office space. The presence of more restrictive use facilities is not anticipated.

2.2.1 Soil Sample Results

The soil sampling results show several compounds present in the Site's soil at levels above the NYSDEC Restricted Use Soil Cleanup Objectives -Protection of Public Health -Commercial (RUSCOComm.) standards. The soil sampling results are presented in Table 2. The Data Quality Assessment and Validation Memorandum for these results is presented as Attachment 1. The complete laboratory data package is presented on a compact disk as Attachment 2.

Area North of Gull Street
At soil borings SB-1and SB-2 all VOC and PCB parameters were not detected in the soil samples. Although several SVOCs and metals parameters were detected in the soil samples, only benzo(a)pyrene was detected in both soil borings above the RUSCO-Comm. standard of 1 milligram per kilogram (mg/Kg). The concentration of benzo(a)pyrene in sample SB-1was 3.1 mg/Kg while the concentration of benzo(a)pyrene in the SB-2 soil sample was 1.5 mg/Kg. Both soil samples had TPHs detected above laboratory detection limits; however, this is solely an indicator analysis and has no RUSCO-Comm. standards established.

Reported Historic USTs Area
Soil samples from SB-3 through SB-8 exhibited some VOCs and metal parameters above detection limits, but were within RUSCO Comm. criteria. Only SB-6 and SB-8 exhibited concentrations of SVOCs above RUSCO Comm. standards. The following SVOCs exceeded the standard:

Soil Boring	*Compound*	*Concentration*	*RUSCO-Comm.*
SB-6	Benzo(a)anthracene	23 mg/Kg	5.6 mg/Kg
	Benzo(a)pyrene	20 mg/Kg	1mg/Kg
	Benzo(b)fluoranthene	33mg/Kg	5.6 mg/Kg
	Dibenz(a,h)anthracene	3.5 mg/Kg	0.56mg/Kg
	Indeno(l,2,3-cd)pyrene	11mg/Kg	5.6 mg/Kg
SB-8	Benzo(a)pyrene	3.2 mg/Kg	1mg/Kg
	Dibenz(a,h)anthracene	0.78 mg/Kg	0.56 mg/Kg

PCBs were not detected in any of the soil samples from SB-3 through SB-8. Although TPHs were detected above laboratory detection limits, there is no TPH RUSCO-Comm. standard. At soil boring SB-5, a groundwater sample was collected instead of a soil sample and will be discussed in Section 2.2.2..

Reported Potential Fire Impacts Area
Soil samples from SB-9 through SB-11 contained some detectable VOC, SVOC, and metal compounds that were below RUSCO-Comm. standards. PCBs were not-detected in all samples.

The following SVOC and metal parameters exceeded the RUSCO-Comm. criteria:

Soil Boring	*Compound*	*Concentration*	*RUSCO-Comm.*
SB-9	Benzo(a)pyrene	3.4 mg/Kg	1mg/Kg
SB-10	Benzo(a)pyrene	3.4 mg/Kg	1mg/Kg
SB-11	Benzo(a)pyrene	3mg/Kg	1mg/Kg
	Dibenz(a,h)anthracene	0.57 mg/Kg	0.56 mg/Kg
	Copper	647 mg/kg	270 mg/Kg
	Mercury	10.4 mg/Kg	2.8 mg/Kg

TPHs was detected in all three samples, but there is no TPH RUSCO-Comm. standard.

Open Pit Area
Field observations during the installation of SB-12 indicated the potential for environmental impacts to the Site's soil at that location. During soil boring installation, a strong odor and what appeared to be oil trapped within the soil matrix was observed. Photographs of the SB-12 soil samples showing the suspected oily substance are included as Attachment 3. No elevated PID readings were recorded during the initial PID scan or headspace monitoring of the SB-12 soils. Although the VOCs 1,1-dichloroethane, 1,2,4-trichlorobenzene, and Trichloroethene (TCE) were detected in the soil sample from SB-12, all concentrations were well below the respective RUSCO-Comm. standards. Twenty-one SVOC compounds were detected in the soil sample from SB-12; however all concentrations were within the respective RUSCO-Comm. standards. Several metals were detected in the SB-12 soil sample with only lead detected at a concentration of 11,801 mg/kg above the RUSCO-Comm. standard of 1,000 mg/kg. No PCBs were found in concentrations above the laboratory detection limits. Although TPHs were detected above laboratory detection limits, there is no TPH RUSCO-Comm. standard.

Suspected Parts Washer Area
During the installation of SB-13, elevated PID readings were observed during the initial PID scan and headspace monitoring of the SB-13 soils, which indicated the potential for environmental impacts to the Site's soil at that location.

The VOCs 1,1,1-trichlororethane, tetrachloroethene (PCE), and TCE were detected in the soil sample but all concentrations were within the respective RUSCO Comm. standards. However, applying a 20:1 soil concentration to extractable concentration rule of thumb, TCE at 0.15 mg/Kg would exceed the limits for Toxicity Characteristic Leachate Procedure (TCLP) test for disposal at a non-hazardous landfill site. Also, a single sample, which could only be hand augered, may not represent the typical concentrations in the area. No SVOCs were detected in concentrations above the laboratory detection limits in the SB-13 soil sample.

Several metals were detected in the SB-13 soil sample with no metals detected above RUSCO-Comm. standards. No PCBs were found in concentrations above the laboratory detection limits in the SB-13 soil sample. Although TPHs were detected above laboratory

detection limits, there is no TPH RUSCO-Comm.

2.2.2 GROUNDWATER RESULTS

Reported Historic USTs Area
A groundwater sample was collected in the SB-5 soil boring. The groundwater results are presented in Table 3. The complete laboratory data package for the groundwater sample is presented in Attachment 2. The groundwater sample was collected through the augers with a peristaltic pump. Approximately one volume of groundwater was purged from the tubing prior to sample collection. The following compounds were detected in concentrations above NYSDEC groundwater quality standards or guidance values.

Compound	*Concentration*	*Standard*	*Guidance*
VOCs			
Chloroform	8.4 µg/L	7 µg/L	None
Cis-1,2-dichloroethene	5.9 µg/L	5µg/L	None
TCE	29 µg/L	5 µg/L	None
Vinyl chloride	3.3J µg/L	2 µg/L	None
Metals			
Arsenic	178 µg/L	25 µg/L	None
Beryllium	10.8 µg/L	None	3 µg/L
Cadmium	9.8 J µg/L	5 µg/L	None
Chromium	374 µg/L	50 µg/L	None
Copper	1020 µg/L	200 µg/L	None
Iron	406,000 µg/L	300 µg/L	None
Lead	301 µg/L	25 µg/L	None
Magnesium	183,000 µg/L	None	35,000 µg/L
Manganese	10,600 µg/L	300 µg/L	None
Nickel	541 J µg/L	lOO µg/L	None
Sodium	190,000 µg/L	20,000 µg/L	None
Zinc	2310J µg/L	None	2,000 µg/L

No SVOCs or PCBs were detected in the SB-5 groundwater sample. The SB-5 groundwater sample had TPHs detected above laboratory detection limits; however, this is an indicator

analysis and has no groundwater quality standards established.

2.2.3 SAMPLING ASSESSMENT

North of Gull Street

Based on the soil sampling results from borings SB-1 and SB-2, the portion of the Site north of Gull Street is impacted with benzo(a)pyrene in concentrations above the RUSCO-Comm. standard. The concentrations of benzo(a)pyrene are relatively low and the area around the two soil borings are covered in asphalt, limiting human contact to impacted soil. This area should not require remediation; however, this issue should be discussed with the NYSDEC to obtain concurrence on this approach.

Reported Historic UST Area
The SVOC sample results above RUSCO-Comm. standard at SB-6 and SB-8 are most likely due to the residual contamination from the former USTs. The NYSDEC had previously issued Curtis Screw a no further action (NFA) status regarding these impacts. The groundwater sample from SB-5 shows potential UST-related impacts in the Site's former UST area groundwater above NYSDEC groundwater quality standards. These impacts should be a part of the NYSDEC's NFA status.

Reported Potential Fire Impacts Area
Soil borings SB-9 through SB-11 have SVOCs in concentrations above RUSCO-Comm. standards. SB-11 has mercury and copper in concentrations above RUSCO-Comm. standards. These impacts could be related to the Summer 2008 fire or associated historic filling/grading of the area. Due to the nature of the compounds present and the assumed future use of the area (parking or loading), this area should not require remediation; however, this issue should be discussed with the NYSDEC to obtain concurrence on this approach.

Open Pit Area
Soil boring SB-12 had oil observed in the soil matrix and a strong odor. These observations indicated the potential presence of impacts to the Site's soil requiring additional investigation in this area. The soil analytical data from the SB-12 sample indicates that there are VOCs, SVOCs and lead in the soil. Only lead was found in concentrations above RUSCO-Comm. Standards; however, the strong odor suggests that higher contaminant concentrations could be present in this area.

Suspected Parts Washing Area
Soil boring SB-13 had elevated PID readings and strong odors recorded during installation. These observations indicated the potential presence of impacts to the Site's soil requiring additional investigation it this area. The soil analytical data from the SB-13 sample indicates that there are VOC and metals in the soil. In particular, the detection of TCE would be consistent with a metal cleaning agent. All compounds were found in concentrations below RUSCO-Comm. standards. However, observations and the inability to drill below 4-feet from the floor suggested the potential for contamination at high concentrations.

3.0 SUPPLEMENTAL ASSESSMENT OF SB-12 AND SB-13 AREAS

Based on the field observations at the SB-12 and SB-13 locations, eRA was authorized to complete a supplemental assessment of the soils and groundwater in the open pit area (SB-12) and the suspected part washing area (SB-13). The purpose of this supplemental assessment was to attempt to delineate the area of suspected soils contamination for the purpose of estimating remediation costs and to determine if groundwater contamination could be present.

3.1 PROJECT METHODOLOGY

The supplemental subsurface investigation included five soil borings (SB-12A/13A through SB-12E/13E) to be installed surrounding each of the original two soil borings. The soil boring locations are shown on Figure 1. The supplemental fieldwork was completed between June 3 and June 10, 2009. One soil boring was installed adjacent to the existing soil boring to estimate the vertical limit of potential impacts. Four additional soil borings were installed around each original soil boring to estimate the horizontal limits of potential impacts. These soil borings were located approximately 20 feet from the existing soil boring location, based on drill rig access. The soil borings were advanced until no field observable impacts (visual, olfactory and/or PID measurement) were identified or until bedrock was encountered. Soil samples were collected following the protocols established for the Phase II ESA. The soil samples were submitted to Test America for VOe and SVOe analysis at each of the 10 soil boring locations. The westernmost soil borings, the apparent downgradient direction, at the two locations were converted to monitoring wells. MW-1 was installed in SB-12E and MW-2 was installed in SB-13E. Soil boring details are presented on Table 1 and groundwater monitoring well construction details are presented as Attachment 4.

The two monitoring wells were left undisturbed for at least one week prior to development and groundwater sampling. Well development and groundwater sampling occurred on June 17, 2009. Monitoring well MW-1 was not developed or sampled due to the presence of a 0.09-foot layer of a light non-aqueous phase liquid (LNAPL) in the well. Leisure Living was informed of the presence of observed free product and was urged to report the observations to the NYSDEC. A review of the NYSDEC's Web site indicates that a new spill number had been opened for the Site, but a description of the spill was not provided. Monitoring well MW-2 was developed and sampled. Test America analyzed the groundwater from MW-2 for VOes and SVOes.

3.2 SAMPLING RESULTS AND ASSESSMENT

3.2.1 SOIL SAMPLE RESULTS

The supplemental soil sampling results are presented in Table 2. The Data Quality Assessment and Validation Memorandum is presented as Attachment 1. The complete laboratory data package is presented on a compact disk as Attachment 2.

Open Pit Area
1,1-Dichloroethane, methyl ethyl ketone, acetone, methylene chloride, toluene, and TCE were detected in soil samples from the SB-12 area supplemental soil borings. All concentrations met the respective RUSCO-Comm. standards. Eleven SVOCs were detected in the SB-12 area supplemental soil borings. All concentrations were within their respective RUSCO Comm. standards.

Suspected Parts Washing Area
l,l,1-Trichlororethane, 1,1dichloroethane, methylene chloride, and TCE were detected in soil samples in the SB-13 area supplemental soil borings. All concentrations met the respective RUSCO-Comm. standards. No SVOCs were detected in the SB-13 area supplemental soil borings.

3.2.2 GROUNDWATER

RESULTS Open Pit Area
Groundwater from monitoring well MW-1was not sampled because a 0.09-foot layer of a LNAPL was found in the well; therefore, the groundwater is impacted. A review of NYSDEC's Web site indicates that Leisure Living has reported this spill.

Suspected Parts Washing Area
The monitoring well MW-2 groundwater sample had a detection of TCE at 290,000 micrograms per liter (µg/L}, significantly above the NYSDEC standard of 5 µg/L. No other VOCs were detected above the laboratory detection limits;however, the laboratory detection limits were elevated due to the high concentration of TCE in the groundwater. Therefore, it is possible that the presence of other VOCs are being masked. 2-Methylnaphthalane, acenaphthene, bis(2-ethylhexyl)phthalate, di-n-butylphthalate, and naphthalene were detected in MW-2 groundwater at concentrations below NYSDEC standards.

3.2.3 SUPPLEMENTAL SAMPLING ASSESSMENT

The data from the supplemental assessment show that the soil in the SB-12 area and SB-13 area have VOCs and SVOCs in concentrations below RUSCO Comm. standards and the Site's groundwater in both areas is impacted. Based on the analytical data and field observations, it appears that the delineated area of soil contamination in the open pit area is within an approximate 20-foot radius of soil boring SB-12 and within about 5-feet below the floor, with isolated pockets of free product at depth (well MW-1). In addition, LNAPL was observed in the monitoring well MW-1. Because the native soil is clay, it is anticipated that removal of

impacted soil should reduce impacts to groundwater.
The groundwater in the suspected parts washing areas has TCE concentrations significantly greater than the NYSDEC's water quality standard of 5 µg/L. Furthermore, the type of soil (clay -conducive to TCE transport) and the depth of groundwater in MW-2 (13.5-feet below the floor) suggest that substantial TCE concentrations may be present at or within the underlying bedrock. The effort to remediate groundwater can be much greater than efforts to remediate soil contamination. Additionally, the TCE contamination may be widespread if it resides at or in the bedrock. Currently, insufficient information is available to estimate the extent of groundwater contamination and associated remediation cost. A more extensive monitoring program would be required.

4.1 ASBESTOS SURVEY

4.2 PROJECT METHODOLOGY

The following activities were conducted as part of the Asbestos Survey (Survey):

- A review of existing documentation of asbestos containing materials (ACM), where available
- Identification of accessible suspect building and materials
- Sampling of suspect building materials; to determine asbestos content
- Determination of the friability of ACM
- An assessment of the condition (i.e., degree of damage, if any) of ACM
- An assessment of the potential for damaging the ACM (i.e., accessibility)

- Estimating the quantity of ACM
- Documentation of the limitations (if applicable) of the Site Survey

The Survey involved observing and sampling of thermal system insulation (e.g., pipe, tank and duct insulation), surfacing materials (e.g., spray-on fireproofing) and miscellaneous building materials (e.g., floor tile, ceiling tile, window caulking, etc.).

Accessible suspect building materials located throughout the Site were sampled. Areas that were sampled and/or inspected are illustrated on Figures 2 and 3. The survey was intended to address all accessible building materials associated with the facility; however, because the facility is still actively used and not owned by CRA's client, only a non-intrusive survey was completed. Destructive sampling for normally inaccessible materials such as those located in wall cavities, fire doors, roofing material, over hung ceilings, and locked rooms was not conducted to prevent damage to the existing structure.

To fulfill the requirements of the Occupational Safety and Health Administration (OSHA) asbestos regulations and the United States Environmental Protection Agency (USEPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) regulations (enforced by New York State Department of Labor (NYSDOL)), inspection and sampling activities were performed by a State of New York certified Asbestos Inspector. The inspection was performed in general accordance with the AHERA regulations (40 CFR 763, subpart E) and NYSDOL regulations (12 NYCRR Part 56). Mr. Jeffrey D. Wind conducted the Survey. A copy of Mr. Wind's current certification is presented in Attachment 5. The inspection consisted of a walk-through inspection, sampling, and assessment of accessible suspect materials.

An initial walk-through inspection of the Site was performed to identify suspected ACM. A list of ACM was developed and modified periodically throughout the inspection process as additional suspect ACM was discovered. Suspect materials were grouped into homogenous areas and characterized as belonging to one of three groups of material: thermal system insulation (TSI), surfacing material (SM), or miscellaneous material. A Homogeneous Area (HA) is defined as a building material that is uniform in color and texture. A defined HA is considered to be ACM if one sample of the material is determined to contain greater than one percent asbestos. Each suspect material was listed on an asbestos inspection form. The inspection form was completed by supplying information on the location, condition, quantity, friability, accessibility, and potential for damage of each of the identified materials. Within the facility, areas were divided into numbered Functional Areas (FA) with the exception of the Office Area.

Samples were collected using a utility knife or similar hand tools. Collected samples were immediately placed in sample bags, sealed, and labeled. All sample locations were repaired using duct tape, high-temperature caulk, and other appropriate materials. Following repair, the immediate vicinity of the sample location was cleaned of debris using damp wiping techniques as needed.

All samples were analyzed for asbestos content using polarized light microscopy (PLM) with dispersion staining techniques in accordance with USEPA report number 600/R-93/116- "Method for the Determination of Asbestos in Bulk Building Materials" (available from the National Technical Information Service (NTIS); Publication # PB93-218576). The samples were analyzed by EMSL Analytical (EMSL) of Depew, New York. Sample results that EMSL reported as containing less than one percent (<1%) asbestos utilizing PLM analysis were subject to further analysis by transmission electron microscopy (TEM). Additionally, since PLM is not consistently reliable for the detection of small asbestos fibers, TEM analysis was performed on selected samples of vinyl floor tiles reported as "None Detected" by PLM analysis to verify that they did not contain asbestos. EMSL also performed the TEM analysis. The National Voluntary Laboratory Accreditation Program (NVLAP) accredits EMSL to perform asbestos analyses.

Only accessible areas of the facility were inspected. Those areas that were inaccessible were not surveyed as part of this scope of work and additional sampling may need to be conducted if those areas are required to be disturbed. Inaccessible areas such as wall cavities and pipe chases may contain hidden ACM that was not previously identified. CRA recommends that additional inspections by an accredited inspector be performed prior to initiating any future

renovation or demolition activities that would disturb normally inaccessible areas.
Specific areas not sampled as part of this survey include the following:

- Roofing materials
- Potential materials in wall cavities and pipe chases
- Above the hung ceiling along with one locked room within the Office Area
- One locked room within the Office Area
- Inside the fire doors located throughout the facility
- Inside the boilers that are located within the basement of the facility
- The storage garage to the north of the facility

4.2 ASBESTOS RESULTS AND ASSESSMENT

During the Survey, a total of seventy-five (75) bulk samples of suspect building materials from the Site were collected. A summary of the samples of suspect materials collected during the Survey, location of the materials, and the reported analytical results is presented in Table 4. Laboratory analytical reports for the Survey are included in Attachment 2. Approximate sample locations are shown on Figures 2 and 3.

In addition to this current Survey, information from previously labeled ACM was used. The materials that were labeled as ACM are as follows:

- TSI including material on elbows, tees and capped ends in the basement
- Brown fiberboard over the metal ductwork in FA#6
- TSI including material on elbows and tees in FA#2 and 6

Note that the brown fiberboard over the metal ductwork in FA#6 was labeled as containing ACM and sampled as part of this Survey. The samples obtained from this material (sample # A-55833-JDW-011 A, B and C) were analyzed utilizing PLM analysis and were reported as "No Asbestos Detected (NAD)".

An inventory of ACM at the Site was developed based on a review of the data collected during the current Survey and information from previously identified materials. The ACM inventory is presented in Table 4. This inventory is current as of the date of this report and does not include materials that were previously identified as ACM and have since been abated.

The majority of identified ACM at the Site is intact and in good condition (see Table 5). ACM that is intact and in good condition can be managed under a properly developed Operations & Maintenance (O&M) Plan. Damaged ACM or ACM that is in poor condition should be repaired or abated. The only ACM requiring immediate attention is the previously labeled ACM located in the basement and FA#6 of the facility and the gray hard pipe associated with sample A-55833-JDW-010 A, B and C. The repair or abatement of ACM must be performed in accordance with the NESHAP, NYSDOL and OSHA standards for asbestos by a State of New York licensed asbestos abatement contractor.

CRA recommends that all positively identified ACM be labeled so that it can be readily identified positive as ACM. Additionally, OSHA requires a sign, memo or some other identifying alert that asbestos is present in this facility (see OSHA 29 CFR §1926.(k}(2)(ii)).

5.0 LEAD-BASED PAINT SURVEY

5.1 PROJECT METHODOLOGY

Three composite lead-based paint samples were collected coinciding with the asbestos survey. One sample was collected from each of the following locations:

- Center warehouse area
- Western warehouse area
- Office area

The samples were collected from painted locations throughout each area and were analyzed for Lead in Paint by Test America using Standard Method SW846 6010B.

5.2 SAMPLING RESULTS AND ASSESSMENT

Lead-based paint sampling results indicate that there is lead based paint present in all areas of the Site building. Lead was detected in all three of the composite paint chip samples collected. The results are as follows:

- Center warehouse area paint chip-lead concentration is 3590 mg/Kg
- Western warehouse area paint chip-lead concentration is 583 mg/Kg
- Office area paint chip-lead concentration is 82.5 mg/Kg

The Data Quality Assessment and Validation Memorandum is presented as Attachment 1. The complete laboratory data package for the lead in paint samples is included in Attachment 2.

6.0 SUMMARY, CONCLUSIONS AND ESTIMATED COSTS

Based on the results of the Phase II, the Site's soils and groundwater appear to have been impacted from past practices. ACM has been found to be present within the Site structures, and lead-based paint also can be found throughout the Site structures.

North of Gull Street, Reported Historic USTs and Reported Potential Fire Impacts Areas These three areas are all exterior to the Site structures and are overlain by either asphalt

pavement or gravel. These areas are expected to be used for access roads, parking and loading.

The data shows that these three areas have benzo(a)pyrene at levels above RUSCO-Comm. standard in soil borings SB-1, SB-2, SB-6, SB-8 and SB-9 through SB-11. The benzo(a)pyrene concentrations are relatively low levels, with the greatest concentration of 20 mg/Kg at SB-6. With these low concentrations and the anticipated use, it is unlikely that the NYSDEC would require remediation for the benzo(a)pyrene impacts; however, the NYSDEC may require an institutional control to reduce potential exposure to Site related chemicals.

Open Pit Area

The interior of Site structures is expected to be converted to open commercial office space. The area around the open pit (boring SB-12) has soils impacted with non-PCB containing oil(s). These impacts appear to have also resulted in groundwater contamination as evidenced by the presence of a LNAPL layer within monitoring well MW-1. Leisure Living was notified of the presence of LNAPL, and a NYSDEC spill number appears to have been opened. The soil in this area generally consists of stiff clay with trace amounts of sand/silt. Because oil tends to be confined by clay, it is anticipated that the extent of contaminated groundwater is generally limited within the area of contaminated soil.

The supplemental data collection results appear to show a delineation for contamination of no greater than 20-feet in diameter and 5-feet deep. A typical remedial technique under this situation would be to excavate and dispose of the contaminated soils. The existing concrete floor would need to be removed within the excavated area and subsequently replaced in-kind after placement and compaction of clean fill. To be conservative, it was assumed that removed material would be disposed of at a secure landfill. The estimated cost to complete this work would be approximately $80,000 to $110,000, including engineering, observation, soil testing and contingency.

Suspected Parts Washing Area

VOC compounds were detected in the suspected parts washing area (boring SB-13) soils in concentrations below RUSCO-Comm. standards. However, the groundwater was found to be significantly impacted by TCE, with a concentration of 290,000 µg/L. TCE has an affinity for movement through clay soils and may be present at or in the bedrock. The full extent of the TCE impacted groundwater is currently unknown. Additional monitoring wells and sampling would be necessary to properly delineate the TCE plume, identify appropriate remediation measures and estimate remedial costs. In addition, soils removed from this location would likely be considered hazardous, which would result in significant disposal costs. Leisure Living has been notified of the presence of TCE in the groundwater.

It is particularly noteworthy that the presence of TCE could make the Site eligible for acceptance into the NYSDEC Brownfield program. This would entitle the property owner to tax incentives, as well as legal protections upon completion of Site remediation.

Asbestos Containing Materials

The asbestos survey identified that ACM is present at the Site. The majority of identified ACM at the Site is intact and in good condition. ACM that is intact and in good condition can be managed under a properly developed ACM O&M Plan. Damaged ACM or ACM that is in poor condition should be repaired or abated. The only ACM requiring immediate attention is the previously labeled ACM located in the basement and FA#6 of the facility and the gray hard pipe. The repair or abatement of ACM must be performed in accordance with the NESHAP, NYSDOL and OSHA standards for asbestos by a State of New York licensed asbestos abatement contractor.

A New York State licensed asbestos abatement contractor was contacted to prepare a budgetary cost estimate to abate all exposed ACM from the Site. The order of magnitude cost to complete asbestos abatement is approximately between $35,000 and $45,000. This cost includes, ACM removal (following NYCRR 56), air monitoring, project management and oversight, transportation and disposal of ACM, and contingency. This cost assumes that the existing roof and fire doors would remain intact.

Lead-Based Paint Materials

Sampling results indicate that lead-based paint is present on most, if not all, interior surfaces of the Site. Visual observations indicated that the Site's painted surfaces are generally in good condition; however, there are some areas of peeled paint on the walls and some surface rust on the structural steel.

Based on the client's expected use of the Site building as office space, the typical cost-effective abatement strategy would be to remove all loose paint and surface rust and then encapsulate all existing surface coatings. A local painting contractor with experience in lead-based paint abatement was contacted to provide a budgetary cost estimate for this Site. The total order of magnitude abatement cost estimate ranges from approximately $260,000 to $320,000. These costs include:

- Steam cleaning areas coated in residual machine oil
- Cleaning all surfaces with compressed air
- Spot cleaning areas of peeled paint and surface rust with vacuum-equipped power tools
- Encapsulate all existing painted surfaces using two coats of direct to metal coating

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- Environmental controls during abatement
  - Hazardous waste disposal of removed paint

- Engineering design, oversight and contingency

This cost estimate assumes that the abatement would be conducted in a vacant building with minimal movement of Site material and furniture. The cost does not include any floor coatings.

Please contact us if you have any questions or comments on this draft report.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Christopher P. Martin, P.E.

Project Manager
JR/CM/ jc/055883 -Graham-1

Encl.

FIGURES

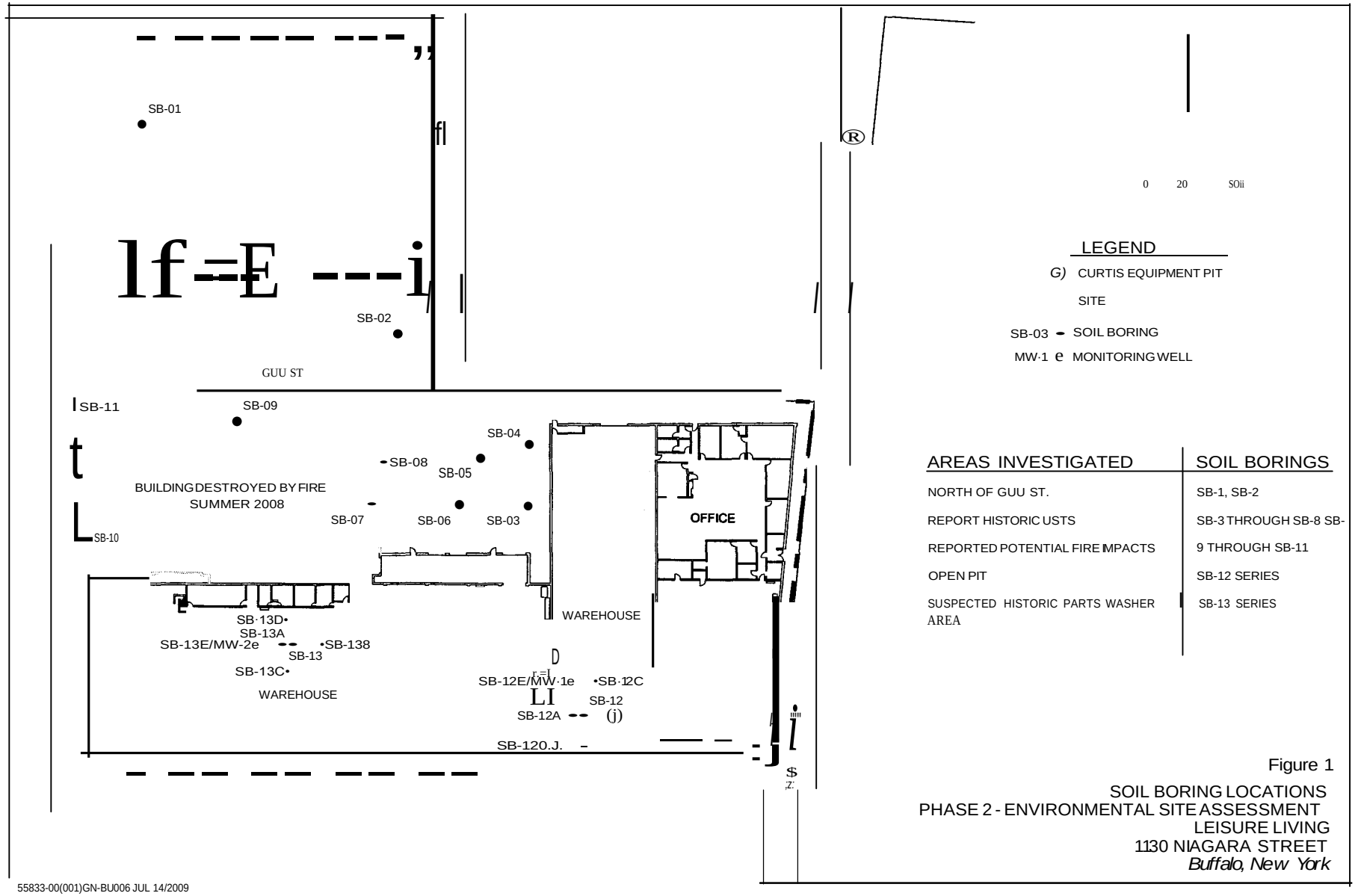


Figure 1

SOIL BORING LOCATIONS
PHASE 2 - ENVIRONMENTAL SITE ASSESSMENT
LEISURE LIVING
1130 NIAGARA STREET
Buffalo, New York

55833-00(001)GN-BU006 JUL 14/2009

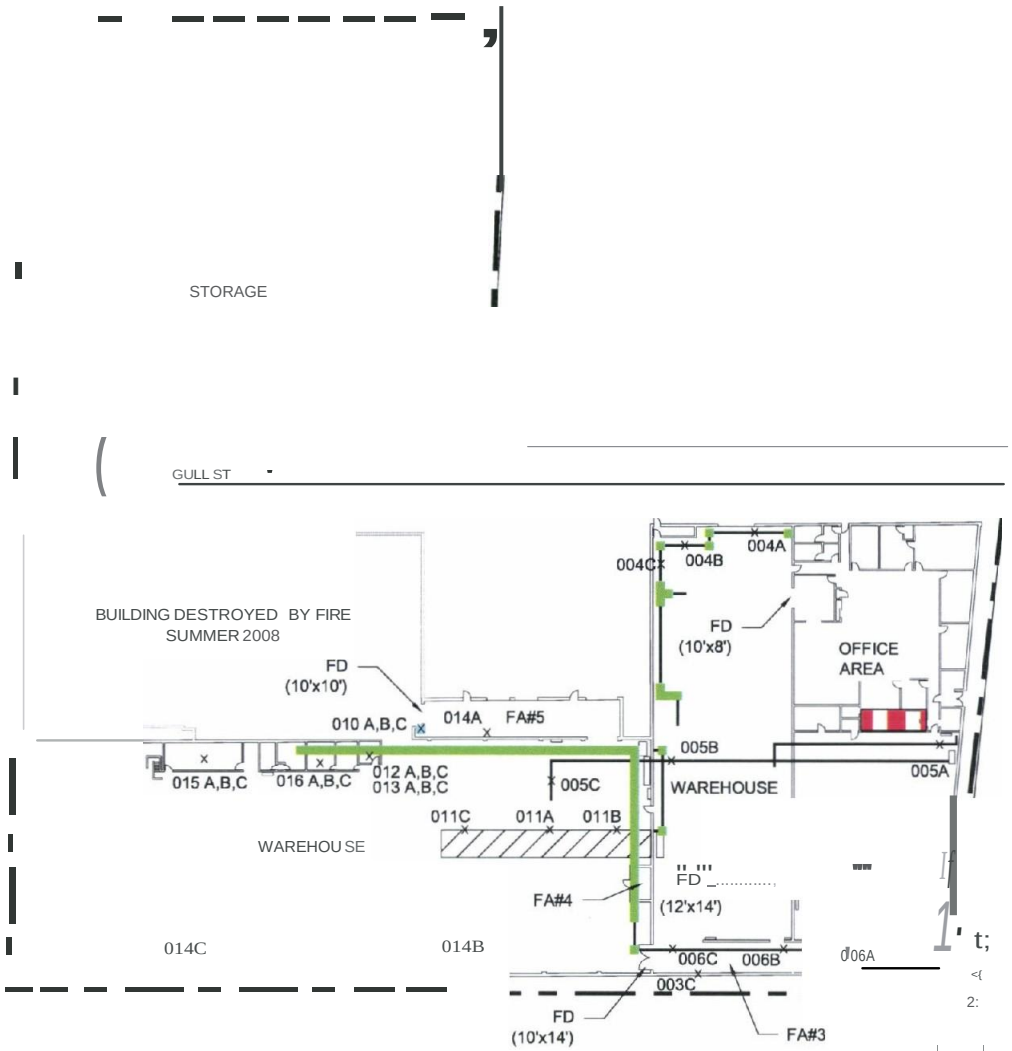
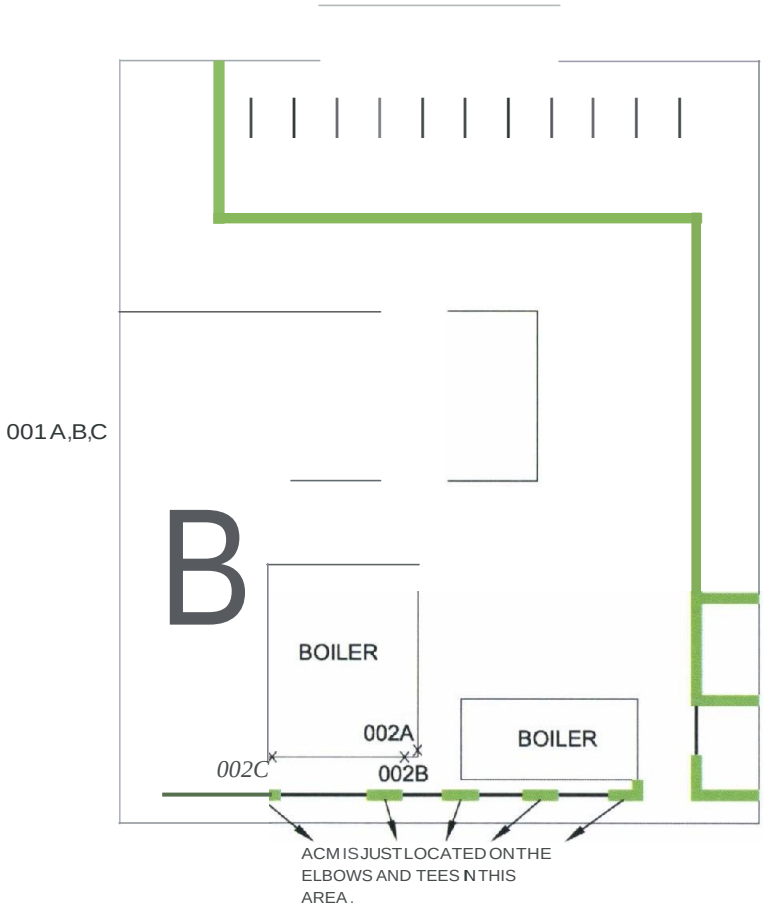


Figure 2

ACM SAMPLING/ LOCATION MAP (MAIN FLOOR)
PHASE 2 - ENVIRONMENTAL SITE ASSESSMENT
LEISURE LIVING FACILITY
1130 NIAGARA STREET
Buffalo, New York



LEGEND

x 004B SAMPLE LOCATION

PREVIOUSLY IDENTIFIED ASBESTOS CONTAINING MATERIAL (ACM)

STAIRS

Figure 3

ACM SAMPLING/ LOCATION MAP (BASEMENT)
PHASE 2 - ENVIRONMENTAL SITE ASSESSMENT
LEISURE LIVING FACILITY
1130 NIAGARA STREET
Buffalo, New York

55833-00(00 1)GN.alJ005 APR 22/2009

I.

TABLES

TABLE1

SOIL BORING SUMMARY
PHASE II ESA - LEISURE LIVING SITE
BUFFALO, NEW YORK

Soil Boring Identification	Installation Start Date	Area Investigated	Surface Covering	Total Depth (ft bg.s.)	Fill (ft bg.s.) from	Fill (ft bg.s.) to	Native Clay (ft bg.s.) from	Native Clay (ft bg.s.) to	Bedrock depth (ft bg.s.)	Maximum PID Reading ppm Scan	Maximum PID Reading ppm Headspace	Observations of Potential Impacts
Initial Phase II ESA												
SB-1	May 18, 2009	North of Gull St.	Asphalt	6.0	0.8	2.4	2.4	>6.0	NE	0	NA	None
SB-2	May 18, 2009	North of Gull St.	Asphalt	6.0	0.4	4.0	4.0	>6.0	NE	0.2	NA	None
SB-3	May 18, 2009	Historic USTs	Asphalt	10.0	0.8	8.0	8.0	>10.0	NE	0	NA	None
SB-4	May 18, 2009	Historic USTs	Asphalt	8.0	0.7	2.8	2.8	>8.0	NE	0.1	0.9	None
SB-5	May 18, 2009	Historic USTs	Asphalt	17.0	0.6	14.0	14.0	>16.0	NE	0.1	NA	None
SB-6	May 19, 2009	Historic USTs	Asphalt	8.0	0.0	4.4	4.4	>8.0	NE	0.2	NA	None
SB-7	May 19, 2009	Historic USTs	Gravel	8.0	0.0	4.0	4.0	>8.0	NE	0	NA	None
SB-8	May 19, 2009	Historic USTs	Gravel	6.0	0.0	2.6	2.6	>6.0	NE	0	NA	None
SB-9	May 19, 2009	Potential Fire Impacts	Gravel	6.0	0.0	2.8	2.8	>6.0	NE	1	NA	None
SB-10	May 19, 2009	Potential Fire Impacts	Gravel	7.5	0.0	2.4	2.4	7.5	7.5	0	NA	None
SB-11	May 19, 2009	Potential Fire Impacts	Gravel	8.3	0.0	2.8	2.8	8.3	8.3	1.5	NA	None
SB-12	May 20, 2009	Open Pit	Concrete	15.5	1.0	5.5	5.5	>15.5	NE	3.7	NA	Free product was observed from 7.5 to 15.5 ft b.g.s.
SB-13	May 20, 2009	Suspected Parts Washer	Concrete	4.0	0.5	>4	NE	NE	NE	120	228	Elevated PID readings found through entire soil boring
Supplemental Phase II Investigation												
SB-12A	June 3,2009	SB-12 Potential Impacts	Concrete	15.6	0.8	7.0	7.0	15.6	15.6	1.7	NA	Free product observed to 14.5 ft b.g.s.
SB-12B	June 3,2009	SB-12 Potential Impacts	Concrete	7.0	1.0	3.0	3.0	>7	NE	0.2	NA	Traces of free product to 5 ft b.g.s.
SB-12C	June 4,2009	SB-12 Potential Impacts	Concrete	11.0	1.0	7.0	7.0	>13	NE	1.7	NA	Free product was observed from 7.0 to 11.0 ft b.g.s.
SB-12D	June 4, 2009	SB-12 Potential Impacts	Concrete	9.0	1.0	3.0	3.0	>9	NE	0.2	NA	None
SB-12E	June 5, 2009	SB-12 Potential Impacts	Concrete	15.5	1.0	7.0	7.0	15.0	15.0	0.7	NA	Traces free product observed to 14.5 ft b.g.s.
SB-13A	June 8,2009	SB-13 Potential Impacts	Concrete	12.0	0.5	5.0	5.0	16.0	16.0	86	>5000	Elevated PID readings found through entire soil boring
SB-13B	June 8,2009	SB-13 Potential Impacts	Concrete	16.1	0.5	4.0	4.0	16.1	16.1	70	NA	Elevated PID readings found through entire soil boring
SB-13C	June9, 2009	SB-13 Potential Impacts	Concrete	16.0	0.5	8.2	8.2	16.0	16.0	40	NA	Elevated PID readings found through entire soil boring
SB-13D	June9, 2009	SB-13 Potential Impacts	Concrete	16.0	0.5	5.0	5.0	16.0	16.0	300	4000	Elevated PID readings found through entire soil boring
SB-13E	June 10, 2009	SB-13 Potential Impacts	Concrete	16.4	0.5	6.0	6.0	16.2	16.2	51	1500	Elevated PID readings found through entire soil boring

Notes:
ppm :parts per million
ft b.g.s.: feet below ground surface

TABLE?

SOIL SAMPLING ANALYTICAL RESULTS
PHASE IIESA- LIESURE LIVING SITE
BUFFALO, NEW YORK

			Locatio11 ID:	SB-1	SB-2	SB-3	SB-4	SB-6	SB-7	SB-8	SB-9	SB-10	SB-11	SB-12	SB-J2	SB-J2A	SB-128	SB-12C
			SampleNatM:	S-55&13-051809-D0-001	S-55833-0518119-00-002	S-5583..1-051809-00-003	S-55833-051809-00-004	S-55&.IJ-051909-D0-006	S-55833-051909--00-007	S-}SSJJ.0519!>9..D0-008	S-5583J-USJ909-00-009	S-5583J-OS1909-DO-Ol0	S-55833-0519f09.D0- 011	S-558.IJ-051909-D0-012	S-5583J-D52009-D0-01J	S-5583J-061H/I9-/R-Ol5	ssss.U-060409-IR-Ol6	S-55833-060409-JR-017
			Sample D4te:	S/181206'	5/18121J09	511812009	511812009	511912009	511912009	SII912009	511912009	511912009	511912009	511912009	512012009	61412009	6/412009	61412009
			Dtpth'	0-6/IBGS	0-6ftBGS	0-Bft BGS	0-Bft BGS	0-Bft BGS	0-6ft BGS	0-6/IBGS	0-6ft BGS	0-6ft BGS	0-6/IBGS	1-5/IBGS	13.5-15.5/t BGS	7-9/IBGS	7-9/IBGS	9-1tftBGS
		NYSDEC RUSCO-Comm. Standard																
Volatil Org11nic Compoulfds																		
1,1,1-Trichloroethane	mg/kg		0.0059U	0.0054 U	0.0063U	0.0056 U	0.0055U	0.0062 U	0.0055 U	0.00590	0.00191	0.0085	0.0062 U	0.0069	0.0061 U	0.00570	0.00121	
1,1.2,2-Tdrachloroethane	mg/kg		0.0059U	0.0054 U	0.0063U	0.0056 U	0.0055 U	O.ll062U	ll.00550	0.0059 U	0.0055 0	0.0058 u	0.0062 U	0.0057U	0.0061 U	0.0057U	0.00560	
1,1,2-Trichloroethane	mg/kg		0.0059U	0.0054 U	0.0063U	0.0056U	0.0055 U	0.0062 U	0.0055U	0.00590	O.txl55U	0.0058 U	0.0062 U	0.0057U	0.1X161 0	0.0057U	O.tl056 U	
1,1-Dichloroethane	mg/kg		o.0059U	0.0054 U	0.0063U	0.0056 U	0.0055 U	0.0062 0	0.0055U	0.00590	0.0055U	0.0058 U	0.0062 U	0.000871	0.0061 U	0.0057U	0.0056 U	
1,1-Dichloroethene	mg/kg	—	0.0059U	0.0054 0	0.0063 U	0.0056 U	0.0055U	0.0062 U	0.0055 U	0.00590	0.0055 U	0.0058 0	0.0062 U	0.0057U	0.0061 U	0.00570	0.00560	
1.2.4-Trichlorobenzene	mg/kg		0.0059U	0.0054 U	0.0063 U	0.00560	0.0055 U	0.0062U	0.0055 U	0.00590	0.0055 U	0.0058 0	0.0062 U	0.0057U	0.0061 U	0.0057U	0.0056U	
t,2-Dibromo--3-chloropropane (OBCP)	mg/kg		0.0059 U	0.0054 U	0.0063U	0.0056 U	0.0055U	0.0062 U	0.0055U	0.0059U	0.00S5U	0.0058U	0.0062 U	0.0057U	0.0061 U	0.0057U	00056 U	
1.2-0ibromthane (Ethylene Dibromide)	mg/kg		0.0059U	0.0054 U	0.0063U	0.0056 U	0.0055 U	0.00620	0.0055U	0.00590	0.0055 U	0.0058 U	O.Oll620	0.00570	0.0061 U	0.00570	0.0056U	
1,2-Dichlonlben.eene	mg/kg		0.0059U	0.0054 U	0.0063 U	0.0056u	0.00S5 ll	0.0062U	0.0055U	O.OL159U	0.0055U	0.0058 U	0.0062 0	0.0057U	0.1X161 U	0.0057U	0.0056 U	
1,2-Dichlothane	mg/kg	W	0.0059U	0.0054 U	0.0063 U	0.0056 U	0.0055 U	0.0062U	0.0055U	0.00590	0.0055 0	0.0058 U	0.0062 U	0.0057U	0.0061 U	0.00570	0.0056 U	
1,2-Dichloropropane	mg/kg		0.0059 U	0.0054 0	0.0063 U	0.0056 U	0.0055 U	00062 U	0.0055 0	O.IX)59U	0.0055 U	0.0058 U	0.0062 U	0.0057U	0.0061 U	0.0057U	0.0056 U	
1.J..Dichlumbenzene	mg/kg		0.0059 U	0.0054 U	0.0063 U	0.0056 U	0.0055 U	0.0062U	0.0055 U	0.0059U	0.0055 U	0.0058 0	0.0062 U	0.0057U	0.0061 0	0.0057U	0.00560	
1,4-Dichlorobenzene	mg/kg	m	0.0059 U	0.0054 O	0.0063 U	0.0056U	0.003)	0.0062U	0.0055U	0.0059U	0.0055 U	O.ll058U	0.0062 U	0.00570	0.0061 0	0.0057U	0.0056U	
2-Butanone (Methyl Ethyl Ketone)	mg/kg		0.0059 U	0.0054 0	0.0063U	o.0056U	0.0055 U	0.0062U	0.00550	0.0059U	0.0055 U	0.0058 U	0.0062 0	0.00S7U	0.00121	0.00151	0.0056 U	
2-Hexanone	mg/kg		0.0059 U	0.0054 U	0.0063U	0.0056U	0.0055 U	0.0062 0	0.0055U	0.0059U	0.0055U	0.0058 U	0.0062 U	0.0057U	0.0061 0	0.00570	0.0056 U	
4-Methyl-2-Pentanone (Methyl lsobutyl Ketone)	mg/kg	NC	0.0059 U	0.0054 U	0.0063U	0.0056 U	0.0055U	0.0062U	0.0055U	0.0059U	0.0055 U	0.0058 U	0.0062 U	0.0057U	0.00610	0.0057U	0.0056U	
Acetone	mg/kg		0.024 U	0.021 U	0.025U	0.023U	0.022 U	0.025U	onn u	0.024 U	0.0097)	0.038	0.025 U	0.023 U	0.024	0.036	0.011	
Benzene	mg/kg	«	0.0059U	0.0054 U	0.0063U	0.0056 U	0.0055 U	0.0062U	0.0055U	0.0059U	0.0055U	O.ll058 U	0.0062 U	0.0057U	O.tX>610	0.0057U	0.00560	
Bromodichloromethane	mg/kg		0.0059U	0.0054 U	0.0063U	0.0056U	0.0055U	0.0062U	0.0055U	0.0059U	0.0055U	0.0058 U	0.0062 U	0.0057U	O.DO61 U	0.0057U	0.00560	
Bromoform	mg/kg		0.0059 U	0.0054 U	0.0063U	0.0056 U	0.0055 U	0.0062 U	0.0055 U	01X159U	0.0055U	0.0058 U	0.0062 U	0.00570	0.0061 U	0.00570	0.0056U	
Bromomethane (Methyl Bromide)	mg/kg		0.0059U	0.0054 U	0.0063U	0.0056 U	0.0055 U	0.0062U	0.0055U	0.0059U	0.00S5U	0.0058 U	0.0062U	0.0057U	0.0061 U	O.OOS7U	0.0056 0	
Carbon disulfide	mg/kg		0.0059U	0.0054 U	0.0063 U	0.0056 U	0.0055 U	0.0062U	0.0055U	0.0059U	0.0055 U	0.0058 U	0.0062 U	0.0057U	0.0061 U	0.0057U	0.0056U	
Carbon tetrachloride	mg/kg	n	0.0059U	0.0054 U	0.0063 U	0.0056U	0.0055U	0.0062U	0.0055U	0.0059U	0.0055 U	0.0058 U	0.0062U	0.0057U	0.0061 0	0.0057U	0.00560	
Chloroben.rene	mg/kg		0.0059U	0.0()054 U	0.0063U	0.00560	0.00S5 ll	0.0062U	0.00S5ll	0.0059U	0.0055 O	0.0058 U	0.0062 U	0.0057U	0.0061 0	0.0057U	0.0056U	
Chlorocthane	mg/kg		0.0059U	0.0054 U	0.0063 U	0.0056U	0.0055 U	0.0062U	0.0055 U	0.0059U	0.0055 U	0.0058 U	0.0062 U	OOOS7U	0.0061 U	0.00570	0.0056 U	
Chloroform (Trichloromethane)	mg/kg		0.0059U	0.0054 U	0.0063 U	0.0056U	0.0012)	0.0062U	0.0055 U	0.00590	0.00550	0.0058 U	0.0062 U	0.0057U	0.0061 0	0.00570	0.0056 U	
Chloromethane (Methyl Chloride)	mg/kg		0.0059 U	0.0054 U	0.0063 U	0.0056 U	0.0055 U	0.0062 0	0.0055 U	0.0059U	0.0055 U	0.0058 U	0.0062 U	0.0057U	0.0061 U	0.00570	0.0056 U	
cis-1,2-Dichloroethne	mg/kg		0.0059U	0.0054 U	0.0063 U	0.0056U	0.0055 0	0.0062U	0.0055 U	0.0059U	0.0055 U	0.0058 U	0.0062 U	0.0057U	0.0061 U	0.0057U	0.00.56 U	
cis-1,3-Dichloropropene	mg/kg		0.0059U	0.0054 U	0.0063 U	0.0056 0	0.0055 U	0.0062U	0.0055U	0.0059U	0.0055 U	00058U	0.0062 U	0.0057U	0.0061 U	0.0057U	0.0056U	
Cyclohexane	mg/kg		0.0059U	0.()054 U	0.0063U	0.0056 U	0.0055U	0.0062U	0.0055U	0.0059U	0.0055U	0.0058 O	01XI62U	0.0057U	0.0061 U	0.0057U	0.0056 0	
Dibromochlorometh.ane	mg/kg		0.0059 U	0.0054 U	0.0063U	0.0056 U	0.0055U	0.0062U	0.0055U	0.0059U	0.0055U	0.0058 U	0.0062U	0.00570	0.0061 0	0.0057U	0.0056 U	
Dichlorod.ifluoromethane (CfiC-12)	mg/kg		0.0059 U	0.0054U	01XI63U	0.0056 U	0.0055 U	0.0062U	0.0055U	0.0059U	0.00S5U	0.0058 U	0.00620	0.0057U	0.0061 U	0.0057U	0.00560	
Ethylbenzene	mg/kg	m	0.00590	0.0054 U	0.0063U	0.0056 U	0.0055 U	0.0062U	0.0055 U	0.0059U	0.0055 U	0.00580	O.D062U	0.0057U	0.0061 U	0.0057U	0.0056U	
Isopropylbenzene	mg/kg		0.0059U	0.0054 U	0.0063U	0.0056U	0.005SU	0.0062U	0.00S5U	0.0059U	0.0055 U	0.0058 U	0.0062 U	0.0057U	0.0061 U	0.0057U	0.0056U	
Methyl acetate	mg/kg		00059U	0.0054 U	0.0063U	0.0056 U	0.0055U	0.0062U	0.0055U	0.0059U	0.0055 U	O.ll058U	0.0062 U	000570	0.0061 U	0.0057U	00056U	
Methyl cyclohexane	mg/kg		0.0059U	0.0054 U	0.0063U	0.0056 U	0.0055 U	0.0062U	0.0055U	0.0059U	0.0055U	01XI58 U	0.0062 U	01XI57U	0.0061 U	0.00S70	0.00560	
Methyl Tert Butyl Ether	mg/kg		0.0059U	0.0054 U	0.0063U	0.0056U	0.0055U	O.IJ062U	0.0055U	0.0059U	0.00550	0.0058 U	0.0062 U	O.OOS7U	0.0061 U	0.00570	0.0056U	
Methylene chloride	mg/kg		00059U	0.0059U	0.0091 U	0.0056 0	0.0055U	0.00620	0.0055U	0.0059U	0.0055U	0.0058 U	0.0062 U	0.0057U	0.012U	0.023	0.02	
Styrene	mg/kg		0.0059U	0.0054 U	0.0063U	0.0056 U	0.0055 U	0.0062U	0.00S5U	0.0059U	0.00S5U	0.00580	0.0062 U	0.0057U	0.0061U	0.0057U	0.0056 u	
Tetrachloroethene	mg/kg	150	0.0059U	0.00321	0.00630	01XI56U	0.0055 0	0.00620	0.0055U	0.0059U	0.0055 U	0.0058 U	0.0062 U	0.00570	0.0061 U	0.0057U	0.0056 U	
Toluene	mg/kg		00059U	0.0054 U	0.0063U	01XI56U	0.0055 U	0.00620	0.00S5 ll	0.0059U	0.0055 U	0.0058U	0.0062 U	0.00570	0.0061 U	0.00151	0.00161	
trans-1,2-Dichlotoethene	mg/kg		0.0059U	0.0054 U	0.0063U	01XI56U	0.0055 U	0.00620	0.0055 U	O.OOS9U	0.00S5 ll	0.0058U	0.0062 U	0.0057U	0.0061 U	0.0057U	0.00560	
trans-1,3-Dichloropropene	mg/kg		0.0059U	0.0054 U	0.0063U	0.0056 u	0.0055U	000620	0.00S5 ll	0.0059U	0.00S5 ll	0.0058 0	0.0062U	0.00570	0.0061 U	0.00570	0.00560	
Trichloroethene	mg/kg	m	0.0059U	0.0054 U	0.082	0.0056 u	0.0054)	0.00141	0.0055 U	0.0059U	0.00411	0.00311	O.ll062 U	0.014	0.0061 U	0.0057U	0.0025)	
Trichlorofluoromethane (CFC-11)	mg/kg		0.0059U	0.0054 U	0.0063U	0.0056U	0.0055 U	0.0062U	0.00S5 ll	0.0059U	0.00S5 ll	0.0058 U	0.0062 U	0.00570	0.0061 U	0.00S7U	0.0056 U	
Trifluorotrichloroethane (Freon 113)	mg/kg		0.0059U	0.0054 U	0.0063U	0.0056 U	0.0055U	0.0062U	0.00S5 ll	0.0059U	0.00S5 ll	0.0058 U	0.0062 U	0.0057U	0.0061 U	0.00570	0.0056 U	
Vinyl chloride	mg/kg	D	0.0059U	0.0054 U	0.0063 U	01XI56U	0.0055 U	O.Q062U	0.0055U	0.0059U	0.0055 u	0.0058 U	0.0062 u	O.OOS7U	0.0061 U	0.00570	0.0056U	
Xylene (total)	mg/kg		0.018U	0.016U	O.Q190	0.0170	0.017U	O.ot8U	0.016 U	O.ot80	0.0160	O.ot80	O.Q19U	0.0170	O.ot80	0.017U	0.017U	

TABLE2

SOIL SAMPLING ANALYTICAL RESULTS
PHASE II ESA - LIESURE LIVING SITE
BUFFALO, NEW YORK

			Locatio• ID:	SB-1	SB-2	SB-3	SB-4	SB-'	SB-7	SB-8	SB-9	SB-10	SB-11	SB-12	SB-12	SB-J2A	SB-12B	SB-12C
			Samplt Nantt:	S-558.13-051809-00-001	S-558J.J-051809-00-002	S-55833-051809-00-00.l	S-558J-051809-DO-D04	S-55833-051909-00-006	S-558J.1-051909-D0-007	S-5.58J1-05J909-D0-008	S-558.13051909-DD-009	5-558.ll-051909-DO-OJO	S-5581J-051909-DO-OJJ	S-55833-051909--D0-012	S-55833-052009-DO-OJJ	S-5.i8IJ-06D409-/R-OJ.5	S-558.IJ-060409-/R-016	S-55833-0604IJ9./R-DI7
			SanrpltOatt:	511812009	51181200	5/1812009	511812009	511912001	511912009	511912009	511912009	5/1""2009	511912(J09	5/1912009	5120/2009	61412009	61412009	614/200'}
				0	0-'ft BGS	ll-6ft BGS	0-Bft BGS	0-Bft BGS	11-6ft BGS	0-'ft BGS	0-'ft BGS	0-'ft BGS	ft BGS	M ft BGS	l.l.S-15.S ft BGS	7-9ft BGS	7-9ft BGS	9-Il ft BGS
		NYSDEC RUSCO-Comm. Standard																
Semivolatile Organic Compounds																		
2,2'-.oxybis(l-Odoropropane) (bis(2-chloroii>opropyl) ther)	mg/kg			0.16U	0.28U	0.17U	0.15U	l.S U	0.083U	0.29 U	0.16U	1.tU	0.23U	0.083U	0.076U	0.081 U	0.076U	0.075U
2.4.S-Trichlorophenol	mg/kg			0.78 U	1.4 U	0.83U	0.74 U	9 U	0.41 U	1,4 U	0.78U	5.4 U	1.2 U	0.41 U	0.38 U	0.4U	0.37U	0.37U
2.4.6-Trichlorophenol	mg/kg			0.78U	1.4 U	ll.83U	0.74 U	9U	0.41 U	1,4 U	0.78 U	5.4 U	1.2U	0.41 U	0.38 U	0.4 U	0.37U	0.J7U
2,4-Dichlorophenol	mg/kg			0.16 U	0.28U	0.17U	0.15U	l.SU	0.083U	0.29U	0.16 U	1.tU	0.23U	0.083U	0.076U	0.081 U	0.076U	0.075 U
2,4-Dimethylphenol	mg/kg			0.78U	l.4U	0.83U	0.74 U	9U	0.41 U	1.4U	0.78U	5.4 U	1.2 U	0.41 U	0.38 U	0.4 U	0.37U	0.37U
2,4-Dinitrophenol	mg/kg	NC		4U	7.2 U	4.3U	3.8U	46U	2.1 U	*1.4U*	4 U	28U	6 U	2.1 U	1.9 U	2.1 U	1.9 U	1.9U
2,4-Dinitnltoluene	mg/kg			0.78 U	1.4 U	0.83U	*0.14* U	9U	0.41U	1.4 U	0.78U	5.4 U	1.2 U	0.41 U	0.38 U	0.4 U	0.37U	0.37U
2,6-Dinitrotohtene	mg/kg			0.78U	1.4 U	083U	*0.14U*	9U	0.41U	1.4U	0.78U	5.4 U	t.2 U	0.41 U	0.38 U	0.4 U	0.37U	0.37U
2-Chloronaphthalene	mg/kg			0.16 U	0.28U	0.170	0.15U	l.S U	0.083U	0.29U	0.16U	1.tU	0.23U	0.083 U	0.076 U	0.081 U	0.076 U	0.075U
2-chlon•phenol	mg/kg			0.78 U	1.4U	0.83U	0.74 U	9U	0.41 U	1.4U	0.78U	5.4U	1.2 U	0.41 U	0.38U	0.4 U	0.370	0.37U
2-Methylnaphthalene	mg/kg			0.073)	0.21)	0.055)	0.15U	0.87)	0.083 U	0.17)	0.28	1.tU	0.78	0.l186	0.13	0.064)	0.084	0.075U
2-Methylphcnol	mg/kg			0.78 U	1.4U	0.830	0.74 U	9 U	0.41 U	1.4U	0.78U	5.4 U	1.2U	0.41 U	0.38U	0.4 U	0.37U	0.37U
2-Nitroanaline	mg/kg			4U	7.2U	43U	3.8U	46U	2.1u	7.4U	4 U	28U	6 U	2.t U	1.9 U	2.1 U	1.9 U	1.9U
2-Nitrophenol	mg/kg			0.78 U	1.4U	0.83U	0.74U	9 U	0.41 U	1.4U	0.78U	5.4 U	1.2U	0.41 U	0.38 U	0.4 U	0.37U	*0.31U*
3.3' Dichloroben.tidine	mg/kg			0.78 U	1.4 U	0.83U	0.74 U	9 U	0.41 U	1.4U	0.78U	5.4 U	t.2 U	0.41 U	0.38U	0.4 U	0.37U	0.37U
3-Nitroaniline	mg/kg			4U	7.2U	4.3U	3.8U	46U	2.t U	7.4U	4 U	28U	6U	2.1 U	1.9U	2.1 U	1.9U	1.9 U
4,6-0initro-2-methylphenol	mg/kg			4 U	7.2U	4.3U	3.S U	46U	2.1 U	7.4 U	4 U	28U	6 U	2.1 U	1.9U	2.1 U	t.9U	1.9 U
4-Bromophenyl phenyl ether	mg/kg			0.78U	1.4U	0113 U	0.74 U	9U	0.41U	1.4U	0.78U	5.4 U	l.2 U	MI U	0.38 U	0.4U	0.37U	0.37U
4-Chloro-3-methylphenol	mg/kg			0.78U	1.4 U	0113U	0.74U	9U	0.41U	1.4U	0.78 U	5.4 U	1.2U	0.41 U	0.38U	0.4U	0.37U	0.37U
4-0iloroaniline	mg/kg			0.78U	1.4U	0.83U	0.74 U	9U	0.41U	1.4U	0.78U	5.4 U	1.2U	0.41 U	0.38U	*0.4U*	0.37U	0.37U
4-Chlorophenyl phenyl ether	mg/kg			0.78U	1.4U	0.83U	0.74 U	9U	0.41U	1.4U	0.18U	5.4 U	1.2U	0.41 U	0.38 U	0.4U	0.37U	0.37U
4-Methylphenol	mg/kg			0.78U	1.4 U	0113U	0.74 U	9U	0.41U	1.4U	0.78U	5.4 U	1.2 U	0.41 U	0.38U	0.4U	0.37U	0.37U
4-Nitroaniline	mg/kg			4 U	7.2U	4.3U	3.8U	46U	2.t U	*1.4U*	4 U	28U	6 U	2.1 U	1.9U	2.1 U	1.9 U	1.9 U
4-Nitrophenol	mg/kg			4 U	7.2U	4.3U	3.8U	46U	2.l U	*1.4U*	4 U	28 U	6U	2.t U	1.9U	2.1 U	1.9U	1.9 U
Acenaphthene	mg/kg			0.15)	0.27)	0.12)	0.1s u	3.2	0.083U	0.43	0.85	0.39)	1.1	0.12	0.076U	0.081 U	0.076U	0.075U
Acenaphthylene	mg/kg			0.52	0.28U	0.058)	0.15U	0.61)	0.083U	0.095)	0.18	U U	0.15)	0.043)	0.076 U	0.081 U	*0.016* U	0.075U
Acctophenone	mg/kg			0.78 U	1.4 U	0.83U	0.74U	9 U	0.41U	1.4U	0.78 U	5.4 U	1.2U	0.41 U	0.38U	0.4 U	0.37U	0.37U
Anthracene	mg/kg				0.39	0.28	0.033)	7.9	0.019)	1.3	U	U	U	0.37	0.076 U	0.081 U	0.076U	0.075U
Atrazine	mg/kg			0.78U	l.4U	0.83U	0.74 U	9 U	0.41 U	1.4U	0.18U	5.4 U	t.2U	0.41 U	0.38U	0.4U	0.37U	0.37U
Benzaldehyde	mg/kg			0.78 U	1.4U	0.83U	0.74 U	9U	0.41U	1.4U	0.78U	5.4U	1.2U	0.41 U	0.38U	0.4 U	0.37U	0.37U
Benzo(a)anthracene	mg/kg	M		.35	12	1.1	0.28		0.076)	U	U	U	4	0.71	0.016 U	0.081 U	0.076U	0.075 0
Benzo(a)pyrene	mg/kg			U	U	0.95	0.32		0.074)	3.z		3.-	3	0.52	0.076U	0.081 U	0.076U	0.075 U
Benzo(b)fluoranthene	mg/kg	Y		4.6	2.8	1.6	052		0.14	5.2	5.2	5.6	4.7	0.85	0.076 U	0.081 U	0.076U	0.0750
Benzo(g,h,i)perylene	mg/kg			*15*	*15*	0.64	0.27	11	0.059)	2.5	2.1	2.3	1.9	0.25	0.0760	0.081 U	0.076 U	0.075 U
Benzo(k)fluoranthene	mg/kg	%		0.16U	028U	0.17U	0.15U	1.8U	0.083U	0.29U	0.16U	U U	0.23U	0.083 U	0.076 U	0.081 U	0.076U	0.075U
Biphenyl (1,1-Biphenyl)	mg/kg			0.78U	1.4U	0113 U	0.74 U	9U	0.41 U	1.4U	0.11)	5.4 U	0.28)	0.04)	0.044)	0.4U	0.37U	0.37U
bis(2-Chloroethoxy)methane	mg/kg			0.78U	1.4U	0113U	0.74 U	9U	0.41U	1.4U	0.78U	5.4 U	t.2 U	0.41 U	0.38 U	0.4 U	0.37U	0.37U
bis(2-0dorоethyl)ether	mg/kg			0.16U	0.28U	0.17U	0.15U	1.8U	0.()83U	0.29U	0.16U	1.J U	0.23U	0.083U	0.0760	0.081 U	0.076U	0.07S U
bill(2-Ethylhexyl)phthalate	mg/kg			0.61)	0.48)	0.34)	0.24)	9U	0.13)	0.7<)		5.4 U	2	0.54	1.6	0.4 U	0.37U	*0.31U*
Butyl benzylphthalate	mg/kg			0.78U	1.4 U	0.83U	U	9U	0.41U	0.27)	3.4	5.4 U	5.3	0.18)	0.38U	0.4U	0.37U	0.37U
Caprolactam	mg/kg			4U	7.2 U	4.3U	3.8 U	46U	2.1 U	7.4U	4 U	28 U	6U	2.I U	1.9U	0.083)	1.9O	1.9U
Carbazole	mg/kg			0.17	037	0.16)	0.031)	4.7	0.083U	0.89	0.91	0.96)	1.9	0.18	0.076 U	0.081U	0.076U	0.075U
Ouysene	mg/kg	%		*35*	2.2	0.98	0.27	22	0.093	3.7	3.6	*33*	3.4	0.69	0.076 U	0.081 U	0.076 U	0.075 U
Dibenz(a,h)anthracene	mg/kg	0.56		0.48	0.34	0.18	0077)	S	0.021)	0.711	0.52	0.54)	*0..1*	0.083	0.076 U	0.081 U	0.076U	0.07S U
Oibenzofuran	mg/kg			0.18J	0.17)	On85J	0.74 U	2.7)	0.41 U	0.46)	0.79	0.29)	1.8	0.12)	0.38U	0.4 U	0.37U	0.37U
Diethyl phthalate	mg/kg			0.78U	1.4U	0113 U	0.74 U	9 U	0.41U	1.4U	0.78U	5.4 U	*12U*	0.41 U	0.38U	0.4U	0.37U	0.J7U
Dimethyl phthalate	mg/kg			0.78U	1.4U	0.83U	0.74 U	9U	0.41 U	1.4U	0.78 U	*SAU*	1.2 U	0.41 U	0.38 U	0.4U	0.37U	*0.31U*
Oi-n-butylphthalate	mg/kg			0.78U	l.4 U	0113U	0.74 U	9U	0.41 U	1.4U	0.78U	5.40	1.2 U	0.41 U	0.38 U	0.4U	0.37U	*0.31U*
Di-n-octyl phthalate	mg/kg			0.78U	1.4 U	0.83U	0.74 U	9 U	0.41U	1.4U	0.78U	5.4 U	*12U*	0.41 U	0.38 U	0.4U	0.37U	0.37U
Pluomnthene	mg/kg			*75*	4.7	2	0.43	52	0.13	7.8	9.1	8.9	12	*15*	0.0160	0.081 U	0.076 U	0.015U
Fluorene	mg/kg			0.38	0.2)	0.11)	0.150	3.4	0.083U	0.6	1.2	0.41J	1.6	0.22	0.016U	0.081 U	0.019)	0.075 0
Hexach)orobenzene	mg/kg	6		0.16 U	0.28U	0.17U	0.15U	1.8U	0.()83U	0.29U	0.16U	1.tU	0.2J U	0.083U	0.0760	0.081 U	0.076 U	0.075 U
Hexachlorobutadiene	mg/kg			0.16U	0.28U	*0.11U*	0.15U	l.8U	0.083U	0.29U	0.16U	1.1 U	0.23U	0.083U	0.016U	0.081 U	0.076 U	0.075 U
Hexad11orocyclopentadiene	mg/kg			0.78 U	t.4U	0.83U	0.74 U	9U	0.41 U	t.4 U	0.78 U	5.4 U	1.2 U	0.41 U	0.38 U	0.4 U	0.37U	0.37U
Hexachloroethane	mg/kg			0.78U	1.4 U	0.83U	0.74 U	9U	0.41 U	1.4U	0.78 U	5.4 0	1.2U	0.41 U	0.38 U	0.4U	0.370	O.J7U
Indeno(l.2.3-cd)pyrene	mg/kg	M		*15*	1.2	0.6	0.22	n	0.032)	23		2.1	1.8	0.24	0.076 U	O.OSI U	0.076U	0.07S U
Isophorone	mg/kg			0.78U	1.4 U	0.83U	0.74 U	9 U	0.41 U	1.4 U	0.78U	5.4 U	t.2O	0.41 U	0.38 U	0.4U	0.37U	O.J7U
Naphthalene	mg/kg			0.19	0.053)	0.065)	OJS U	1.3)	0.083U	0.33	0.29	1.t U	1.7	0.11	0.016U	0.081 U	0.076U	0.015 U
Nitrobenzene	mg/kg			0.16 U	0.28 U	0.17U	OJS U	1.8U	0.08J U	0.29U	0.16U	1.1 U	0.23U	0.083U	0.076U	0.081 U	0.076U	0.075 U
N-Nitrosodi-n-propylamine	mg/kg			0.16U	0.28U	0.17U	0.1S U	l.SU	0.083U	029U	0.16U	1.1 U	0.2J U	0.083U	*0.016*U	0.081 U	0.076 U	0.075 U
N-Nitrosod.iphenylamine	mg/kg			0.16U	0.28U	0.17U	0.15U	l.8U	0.083U	0.29U	0.16U	1.1U	0.23U	0.083U	0.076U	0.081 U	0.076U	0.075 U
	mg/kg	U		0.7BU	1.4 U	0.83U	0.74 U	9U	0.41 U	1.4 U	0.78U	5.4 U	1.2 U	0.41 U	0.38 U	0.4U	0.37U	0.37U
Phenanthrene	mg/kg			...	2.6	1.4	0.17	39	0.081)	6.3	*83*	5.4	14	1.7	0.1	0.027)	0.048)	0.034)
Phenol	mg/kg			0.16 U	0.28 U	0.17U	0.15U	l.S U	0.083U	0.29 U	0.16 U	1.1 U	0.11)	0.1l83 U	0.076 U	0.081 U	0.076U	0.075U
Pentachlorophenol	mg/kg			6.7	3.6	1.7	0.4	39	0.1	5.6	▪.▪	6.3	5.9	1.1	0.076 U	0.081 U	0.076 U	0.075 O

TABLE2 SOILSAMPLINC

ANALYTICAL RESULTS
PHASE II ESA • LIESURE LIVING SITE
BUFFALO, NEW YORK

loc11tio11 ID:			SB-I	SB-2	SB-l	SB-4	SB-6	SB-7	SB-8	SB-9	SB-10	SB-U	SB-12	SB-Jl	SB-12A	SB-128	SB-12C
Sample N11ffft:			S-5.5833-051809-00-00J	S-5.s&13-DSJBI!9..D0--002	*S-5.58.II-051809-DO-OOJ*	*S-558.1J-051809-D0-004*	*S-5.583J-051909-DO-OIJ6*	*M58.1J-OSI909-D0-007*	*S-55833-051909--D0-008*	*S-55833-051909-D()-009*	*S-55833-051909-DO-OIO*	*S-558.II-0 1909-D0-011*	*S-55833-051969-D0-012*	S-55833-052009-00-03J	*S-558.11-060409-IR-015*	S-5581.:HI60409-/R-016	*S-55833-0604°°°/R-017*
S11mple Date:			*511812009*	*5118/200!J*	*511812009*	*511812009*	5/1912009	*51191 2009*	*51191 2009*	*511912amJ*	*511912009*	*511912009*	*511912009*	*512012009*	*6/412009*	*t.1412009*	*61412009*
Dtpth'			*0-6ft BGS*	*0-6ft BGS*	*11-Bft BGS*	*11-Bft BGS*	*1J-8ft BGS*	*0-6ft BGS*	*0-6ft BGS*	*0-6ft BCS*	*0-6ft BGS*	*0-6't BGS*	*I-5ft BGS*	*13.5-15.5ftBGS*	7-9/t BGS	*7-9ftBGS*	*9-I1ft BGS*
		NYSOEC RUSCO-Comm. Standard															
Md11ls																	
Aluminum	mg/kg	NC	12200]	85901	8810]	92701	28501	113001	32501	85301	63701	*57701*	*55701*	78201			
Antimony	mg/kg	NC	2.7]	0.23J	0.78J	1.J U	0.24J	0.311	0.181	0.75J	1.9	0.511	0.36J	1.I U			
Arsenic	mg/kg	16	11.8	3.3	9.6	2.5	1.8	3.7	3.1	*5.7*	6.1	6..5	4.5	2.1			
Barium	mg/kg	400	346	56.4	208	*7\L7*	19.6]	94.I	51.0	105	86.3	165	159	75.5			
Beryllium	mg/kg	5JO	I.If	066J	0.69]	0571	0.28]	0.73J	0.39]	055]	0.571	0391	0.36J	0.49J			
Cadmium	mg/kg	9.3	Uf	O.ISJ	0.65	0.151	0.16]	0.191	0.291	0.44J	0.45J	0.71	0.28J	O.IIf			
Calcium	mg/kg	NC	285001	1150001	203001	10300]	1010001	98201	1190001	628001	56900]	657001	97500 I	625001			
Chromium	mg/kg	NC	25.SJ	11.4	16.1	11.9	6.5	15.7	*7.7*	13.9	15.3	14.8	30.4	16.4			
Cobalt	mg/kg	NC	98	3.8J	7.1	6.3	2.If	*7.7*	1.8]	5.2]	4.JJ	5.4J	137	5.SJ			
Copper	mg/kg	270	98.3	60.5	76.0	16.4	10.7	18.9	25.0	42.4	31.3	647	41.2	16.2			
Iron	mg/kg	NC	63600	11600	16600	14900	7130	20()()0	4800	15500	17500	13700	17200	14500			
I-<•d	mg/kg	1000	558	24.3	762	29.1	17.6	625	28.3	117	175	78.6	nao	17.5			
Magnesium	mg/kg	NC	7760]	10000	6110	4500	26900	4950	8760	14300	11500	14800	31300	24700			
Mangan...	mg/kg	10000	657	384	466	599	283	508	188	386	384	347	348	371			
Memuy	mg/kg	2.8	0.27	0.03SU	0.053	0.26	0.012]	15	0.072	0.38	0.21	JOA	0.291	0.018]			
Nickel	mg/kg	310	24.6	12.1	17.4	12.0	5.5	13.8	6.8	13.5	12.7	40.9	10.6	13.4			
Potassium	mg/kg	NC	18001	1860	1400	1271)	673	1670	873	1660	1110	1060	1370	2180			
Selenium	mg/kg	1500	0.811	0.54U	0.80	056 U	055U	0.29J	0.55U	0.59U	0.55U	0.58U	0.62 U	0.57U			
Silver	mg/kg	1500	O.SOJ	0.088]	0.381	0.12]	055U	O.I4J	055U	0.19]	0.191	0.231	0.24J	O.IJJ			
Sodium	mg/kg	NC	1111	431]	5171	350]	1561	2571	282]	2881	2171	309J	4561	183J			
Thallium	mg/kg	NC	2.4 U	1.IU	LJ U	1.IU	1.IU	t.2U	1.IU	1.2U	1.IU	1.2 U	1.2U	1.IU			
Vanadium	mg/kg	NC	26.9	18.2	20.9	19.7	8.9	25.3	9.3	18.6	15.7	15.1	13.9	20.3			
Zinc	mg/kg	10000	1670]	*37.41*	2541	74.9]	61.31	75.6J	SJ.OJ	ISSJ	1'9J	2761	1731	58.4J			
PCB•																	
Arodor-1016 (PCB-1016)	mg/kg	NC	0.02U	O.ot8U	0.021 U	0.019 U	O.ot8U	0.021 U	O.D18U	0.02 U	O.ot8U	0.019U	0.021 U	0.019 U			
Arodor-1221 (PCB-1221)	mg/kg	NC	0.02U	O.ot8U	0.021 U	0.019U	0.018 U	0.021 U	0.018 U	0.02 U	0.018U	0.019U	ll.021 U	0.019U			
Arodor-1232 (PCB-1232)	mg/kg	NC	O.o2 U	O.o18U	0.021 U	0.019U	0.018U	0.021 U	O.ot8U	0.02U	O.ot8U	0.019U	0.021 U	0.019 U			
Aroclor--1242 (PCB-1242)	mg/kg	NC	0.02 U	0.018U	0.021 U	0.019 U	0.018U	0.021U	O.Q18U	0.02U	O.ut8U	0.019U	0.021 U	0.019U			
Arodor-1248 (PCB-1248)	mg/kg	NC	0.02U	0.018U	0.021 U	0.019 U	O.Q18U	0.021U	O.Q18U	0.02U	0.018 U	0.019U	0.021 U	0.019U			
Arodor--1254 (PCB-1254)	mg/kg	NC	0.02U	O.ot8U	0.021 U	0.019U	O.ot8U	0.021 U	0.065	0.11	0.018U	0.068	0.021U	0.019U			
Aroclor-1260 (PCB-1260)	mg/kg	NC	0.02U	ODIJ]	0.021 U	0.019U	0.m8u	0.021 U	0.058	0.063	0.059	0.046	0.021 U	0.019 U			
Total Pttroltum Hydroc:arlmns(TPH)																	
TPH - extractable (ORO)	mg/kg	NC	980	330	54	llOUJ	640	40	JOOU	3200	JOOOU	3800	1800	2400			
ll'H- purgea.ble (CRO}	mg/kg	NC	0.12U	0.0SJJ	0.22	0.11U	0.046J	0.036]	0.053]	0.035]	0.0541	0.077J	O.IIJ	0.12			
WttChemisby																	
Total Solids	%	NC	84.5	93.1	'9.6	88.6	90.8	81.1	915	84.6	91.0	85.7	80.3	87.8	82.5	88.2	89.4

Notes:

NYSOEC RUSCO

Comm. Standard: New York State Department of Con5ervation Part 375 restrided use 110i1 cleanup objectives.

U Not present at or above the associated value.
J Estimated Concentration

——— Concentration exceeds NYSOEC RUSCO Comm. Standard.

TABLEZ

SOIL SAMPLING ANALYTICAL RESULTS
PHASE II ESA - LIESURE LIVING SITE
BUFFALO, NEW YORK

		Location ID:	SB-l2D	*58-12£*	SB-lJ	SB-lJA	*SB-138*	SB-lJC	SB-1.10	*SB-1.lE*
		S1unplt Nanu:	S-SS83.l-060409-fR-Ot8	*S-55833-060509-/R-019*	*S-55833-052009-DO-OJf*	*S-558JJ-ll60-JR-020*	S-55833-060909-/R-021	*S-558JJ-IJ60969./R-022*	S-5583J-IJ60969./R-02J	S-SSBJJ-061009-/R-024
		Samplt Dak:	*61412009*	*61512099*	*512012009*	*61812099*	6/9120/)g	*61912009*	*6/9/20/)g*	6110/2009
		Dtpth'	*7-9ft* BGS	1H5ftBGS	*0.5-4/t BGS*	*14-16/t BGS*	*12-14 ft8GS*	*H ft BGS*	12·14/t SGS	12-14/tBGS
		N\SDEC RUSCO-Comm. Standard								
Vol•tik O'lanic: Compo•nds										
1.1.1-Trichlorocthane	mg/kg	m	0.0056 U	0.00151	0.013	UU	0.280	0.2/	61	1.40
1.1.2.2-Td:rachloroethane	mg/kg	OC	0.0056	0.00570	0.0052 u	UU	0.28U	0.28U	UU	UU
1.1.2-Trichloroethane	mg/kg	NC	0.0056 u	0.0057U	0.0052 u	UU	0.28U	0.28U	1.4 U	1.4 U
1,t-Dichloroethane 1,1-	mg/kg	W	0.0056 u	0.0065	0.0052 u	UO	0.28U	028U	1.4U	1.4 U
Dkhloroethene	mg/kg	m	0.0056 u	0.00221	0.00151	UU	0.28 U	028U	63	1.4U
1.2.4-Trichlorobffizene	mg/kg	NC	OJ)()56 U	0.0057U	0.0052 0	UU	0.28U	0.28U	1.4 U	1.4U
1.2-Dibromo-Xhloropropane (DBCI')	mg/kg	OC	0.0056 u	0.00570	0.0052 0	UO	0.28 U	0.28U	l.4 U	1.4 U
1.2-Dibromoethane (Ethylene Oibromide)	mg/kg	NC	0.0056 u	0.00570	0.0052 u	UU	0.28U	0.28U	UU	HU
1.2-Dichlorobenzene	mg/kg	m	0.0056 u	0.0057U	0.00S2 U	29U	0.28U	0.28U	1.4 U	1.4 U
1.2-Dichlorocthane 1,2-	mg/kg		0.0056 u	0.00570	0.0052 0	UO	0.28U	0.28U	1.4U	UU
Dichloropropane 1.3-Dkhlorobenzene	mg/kg	OC	0.0056 0	0.00570	0.0052 u	UU	0.28U	0.280	1.4U	1.4 U
1,4-Dichlorobenzene	mg/kg		0.0056 u	0.00570	0.0052 u	UO	0.28U	0.28U	1.4U	1.4 U
2-Butanone (Methyl Ethyl ketone) 2-	mg/kg	m	0.0056 0	0.0057U	0.0052 u	UO	0.28U	0.28U	1.4U	1.4U
Hexanone	mg/kg	m	0.0056 u	0.00570	0.0052 0	UO	0.280	0.280	1.4U	1.4 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	OC	0.0056 u	0.00570	tl.0052 U	UU	0.280	0.28U	1.4U	UU
A°"""	mg/kg	OC	0.0056 u	0.00570	000520	UO	0.28U	0.28 U	1.4U	1.4 U
0.nune	mg/kg	m	0.026	0.0230	O.OZI U	UO	I.IU	UU	5.7U	SBU
Bromodichloromethane	mg/kg	OC	0.0056 U	0.00570	0.0052 U	UO	0.280	0.280	1.40	1.40
Bromofonn	mg/kg	OC	0.0056	0.00570	0.0052 0	UU	0.28U	0.280	1.4U	1.4U
Bromomethane (Methyl Bromide)	mg/kg	OC	0.00560	0.0057U	0.0052 0	UU	0.28U	0.280	1.4 U	1.4U
Carbon disulfide	mg/kg	OC	0.0056 0	0.00570	0.0052 u	UO	0.28U	0.280	1.4U	1.4U
Carbon tetrachloride	mg/kg	M	0.0056 u	0.0057U	0.0052 U	UU	0.28U	0.280	1.4 U	l.4 U
Chlorobenzene	mg/kg	m	0.0056 U	0.00570	0.0052U	UU	0.28U	0.28U	1.40	
Chloroethane	mg/kg	OC	0.0056 0	0.00570	0.0052 0	UU	0.280	0.28 U	1.4U	1.4 U
Chloroform (Trichloromclhane)	mg/kg	m	0.0056 u	0.0057U	0.00520	UU	0.28U	0.28U	1.4U	1.4U
Chloromethane (Methyl Chloride)	mg/kg	OC	0.0056 u	0.00570	0.0052 u	UU	0.28U	0.280	1.4U	1.4U
cis-1,2-0ichloroethene	mg/kg	m	0.0056 0	0.00271	0.006	UU	0.28U	0.28U	1.4U	1.4 U
cis-lloropropene	mg/kg	OC	0.0056 U	0.00570	0.0052 U	UU	0.280	0.28 U	1.4U	1.4U
Cydohexane	mg/kg	OC	0.0056 0	0.00570	0.0052 0	UO	0.28U	0.28U	1.4U	
Dibromochloromethane	mg/kg	OC		0.0057U	000520		0.28U	028U	1.4U	1.40
Ethylbenzene	mg/kg		0.0056 0.0056 u	0.00570	0.0052U	UO	0.280	0.28U	1.40	1.40
Isopropylbenzene	mg/kg	OC		0.00570	0.00520			0.280	1.4U	UU
Methyl acetate	mg/kg	OC	0.0056 u	0.00570	0.0052 0	UU	0.280	0.28U	1.4U	UU
Methyl cydohexane	mg/kg	OC	0.0056 u	0.00570	0.0052 0	UU	0.28U	0.280	t.4U	1.4U
Methyl Tert Butyl Ether	mg/kg	m	0.0056 U	0.00570	0.0052 0	UU	0.28U	0.28U	1.4U	1.4U
Methylene chloride	mg/kg	m	0.0056 0	0.02	0.0052 u	UU	0.280	0.089J	1.4U	1.4U
Styrene	mg/kg	OC	0.0056 u	0.0057U	0.0052 0	UO	0.28U	0.28U	1.40	1.4U
Tetracltloroethene	mg/kg		0.021	0.0057U	0.0056	UU	0.280	028U	1.4U	0371
Toluene	mg/kg	m	0.00560	0.0011	0.0052 U	UO	0.28U	0.28U	1.4U	1.4 U
trans-1,2-Dichloroethene	mg/kg	m	0.0056 0	0.00570	0.0052 u	UU	0.28U	0.28U	1.4U	1.40
trans-tchloropropene	mg/kg	OC	0.00121	0.00570	0.00520	UO	0.28U	0.280	1.40	1.4U
Trichloroethene	mg/kg		000560	0.032	0.15	UU	0.280	0.55	29	1.4U
Trichlorofluoromethane (CFC-11)	mg/kg	OC	0.0056 u	0.00570	0.0052 u	UO	0.28U	0.280	1.4U	l.4 U
			0.0056 U			UO	4.1 0.28U			43
Trifluorotrichloroethane (Freon 113)	mg/kg	OC	0.0056 U	0.00570	0.0052 u	UO	0.28U	0.280	1.40	1.4 U
Vinyl chloride	mg/kg	U	U				0.28U	U		1.4U
Xylene (total)	mg/kg	m		0.0056	0.00570	0.0052 U		UO	0.240 0.28	1.40
				0.017U	0.017U	0.016 u			0.84 0	1.4U 430

4.30

TABLEZ

SOIL SAMPLING ANALYTICAL RESULTS
PHASE II ESA • LIESURE LIVING SITE
BUFFALO, NEW YORK

			Locatio•ID:	SB-I2D	SB-12E	SB-13	SB-IJA	SB-IJB	58-IJC	SB-1JD	SB-13E
			Samplt Namt:	S-55833-068409-/R--018	S-55833-06051J9-./R-019	S-558.II-052009-00-014	5-.'58.II-I060809-/R-020	5-5581J-U6IJ909-/R-021	S-55833-060909-/R-022	S-558IJ-060909-/R.021	5-55833-061009-/R-024
			Samplt DdU:	61412009	6/51200!J	512012009	61812009	6/912009	61912009	61912009	6110/2009
			Drptlt:	7-9ftBG5	13-15ft BG5	0.5-4ft BG5	14-I6ft BGS	12-14/tBGS	6-Sft BGS	12-14/tBGS	l2-14ft BG5
StmWol1.atik Oiranic Compo11nd5		NYSDEC RUSCO-Comm. Standard									
2,2'-oxybls(1-0tloropropane) (bill(,2-chloroisopropyl} ether)	mg/kg		0.074 U	0.076 U	U	O.ff78U	0.075U	0.075U	0.077U	0.076 U
2.4.S-Trichlorophenol	mg/kg		0.36U	0.37U	—U	0.38 U	0.37U	0.37U	0.38 U	O.J8U
2.4.6-Trichloroht.'tol	mg/kg		0.36U	0.37U	—U	0.38 U	0.37U	O.J7U	0.38 U	0.38U
2,4-Dichlorophenol	mg/kg	NC	0.074 U	0.076 U	U	0.078 U	0.075U	0.075U	0.077U	0.076U
2,4-Dimethylphenol	mg/kg		0.36U	0.37U	—U	0.38U	0.37U	0.37U	0.38 U	0.38 U
2.4-Dinitrophenol	mg/kg		I.9U	1.9U	UU	2U	1.9U	1.9 U	1.9U	1.9U
2.4-Dinitrotoluene	mg/kg		0.36 U	0.37U	—U	0.38U	0.37U	0.37U	0.38 U	0.38U
2,6-0initrotoluene	mg/kg		0.36 U	0.37U	—U	0.38 U	0.37U	0.37U	0.38 U	0.38 U
2-Chloronaphthalene 2-	mg/kg		0.074 U	0.076 U	U	0.078 U	0.075U	0.075U	0.077U	0.076 U
0Ilorophenol	mg/kg		0.36U	0.37U	—U	0.38 U	0.37U	0.37U	0.38U	0.38U
2-Methylnaphthalene	mg/kg		0.031	0.076	U	0.11	0.0471	0.075U	0.031	0.042/
2-Mcthylphenol	mg/kg		0.36U	0.370	U	0.38U	0.37U	0.37U	0.38U	0.38U
2-Nitroaniline	mg/kg		I.9U	1.9U	—U	2U	I.9U	I.9 U	1.9U	1.9U
2-Nitnol	mg/kg		0.36U	0.37U	—U	0.38 U	0.37U	0.37U	0.38 U	0.38U
3,3'-Dichlorobenzidine 3-	mg/kg		0.36U	0.37U	—U	0.38 U	0.37U	0.37U	0.38U	0.38U
Nitroaniline	mg/kg		I.9U	1.9U	UU	2 U	I.9U	1.9U	1.9U	1.9U
4.6-Dinitro-2- thylphenol	mg/kg		I.9U	1.9U	UU	2 U	1.9U	1.9U	1.9U	1.9U
4-Bromophenyl phenyl ether	mg/kg		0.36U	0.37U	—	0.38 U	0.37U	0.37U	0.38U	0.38U
4<htoro-J.methylphenol	mg/kg		0.36 U	0.37U	U	0.38 U	0.37U	0.37U	0.38U	0.38U
4-0tloroaniline	mg/kg		0.36U	0.37U	—	0.38U	0.37U	0.37U	o.38U	0.38U
4-Chlorophenyl phenyl ether	mg/kg		0.36U	0.37U	U	0.38U	0.37U	0.37U	0.38 U	0.38U
4--Methylphenol	mg/kg		0.36U	0.37U	—	0.38U	0.37U	0.37U	0.38U	0.38U
4-Nitroaniline 4-	mg/kg		0.36 U	0.37U	U	2U	1.9U	1.9U	1.9U	1.9U
Nitrophenol	mg/kg		I.9U	1.9U	U	2 U	I.9U	1.9U	1.9U	t.9U
Acenaphthene	mg/kg		I.9U	0.076U	U		0.075U	0.075U	0.077U	0.076U
Acenaphthylene	mg/kg		0.074	0.076U	U	0.078U	0.075U	0.075U	0.077U	0.076U
Acetophenone	mg/kg		0.016J	0.37U	—U	0.07B U	0.37U	0.37U	0.38 U	0.38U
Anthracene	mg/kg		0.36U	0.076U	U	0.38 U	0.075U	0.075U	0.077U	0.076U
Atrazine	mg/kg		0.0351	0.37U	—U	0.07B U	0.37U	0.37U	0.38U	0.38U
Benzaldehyde	mg/kg		0.36U	0.37U	U	0.38U	0.37U	0.37U	0.38U	0.38U
Benzo(a)anthracene	mg/kg	U	0.36 U	0.076U	U	0.38U	0.075U	0.075U	0.077U	0.076U
Benzo(a)pyrene	mg/kg		O.o74U	0.076U	U	0.078U	0.075U	0.075U	0.077U	0.076U
Benzo(b)fluoranthene	mg/kg	U	0.0491	0.076U	U	0.078U	0.075U	O.Q75U	0.077U	0.076U
Benzo(g,h,i)perylene	mg/kg		0.074 U	0.076U	U	0.078 U	0.075U	0.075U	0.077U	0.076U
Benzo(k)Ruoranthene	mg/kg	%	0.074 U	0.076U	U	0.078U	0.075 U	0.075U	0.077U	0.076U
Biphenyl(1,1-Biphenyl)	mg/kg		0.074U	0.37U	—U	0.078U	0.37U	0.37U	0.38U	0.38U
bis(2-0tloroethoxy)methane	mg/kg		0.36 U	037U	—U	0.0341	0.37U	0.37U	0.38U	0.38U
bis(.2-Chloroethyl)ether	mg/kg		0.36 U	0.076U	U	0.38U	0.075U	O.Q75U	0.077U	0.076U
bis(2-Ethylhexyl)phthalate	mg/kg		0.074 U	0.37U	—U	0.078U	0.12/	0.0721	0.0691	0.38U
Butyl benzylphthalate	mg/kg		0.56	0.37U	—U	0.171	0.37U	0.37U	0.38U	0.38U
Caprolactam	mg/kg		0.36 U	1.9U	UU	0.38 U	f.9U	1.9U	1.9U	1.9U
Carbazole	mg/kg		t.9U	0.076U	U	2U	0.075U	O.Q75U	0.077U	0.076U
Ch')" <O'	mg/kg	%	0.074 U	0.076U	U	0.07BU	0.075U	O.Q75U	0.077U	0.076U
Dibenz(a.h)anthracene	mg/kg	0.56	0.074 U	0.076U	U	0.078 U	0.075U	0.075U	0.077U	0.076U
Dibenzofuran	mg/kg		0.074 U	0.37U	—U	O.Ul78U	0.37U	0.37U	0.38U	0.38 U
Diethyl phthalate	mg/kg		0.36 U	0.37U	—U	0.38U	0.37U	0.37U	0.38U	0.38U
Dimethyl phthalate	mg/kg		0.36U	0.37U	—U	0.38U	0.37U	0.37U	0.38U	0.38U
Oi-n-butylphthalate	mg/kg	NC	0.36U	0.37U	—U	0.38U	0.37U	0.37U	0.38U	0.38 U
Di-n-octyl phthalate	mg/kg		0.36 U	0.37U	—U	0.38U	0.37U	0.37U	0.38U	0.38U
Fluoranthene	mg/kg		0.36 U	0.076U	U	0.38U	0.075U	O.Q75U	O.Q77U	0.076U
			0.19			0.078U	0.075U	0.075U		U
Fluorene	mg/kg		0.o31	0.076U	U	0.078U	0.075 U	0.075U	0.077U	0.076
Hexachlorobenzene	mg/kg	6	0.074 U	0.07611	U	0.078 U	0.075U	0.075U	0.077O	0.076 U
Hexachlorobutadiene	mg/kg		0.074 U	0.076 U					0.077U	0.076 U
Hexadtlorocyclopentadiene	mg/kg		0.36U	0.37U	—U	0.38U	0.37U	0.37U	0.38U	0.38U
Hexadtloroethane	mg/kg		0.36U	0.37U	—U	0.38U	0.37U	0.37U	0.38U	0.38U
Indeno(l.2.3-cd)pyrene	mg/kg	U	0.021J	0.076U	U	0.078 U	0.075U	0.075U	0.077U	0.076U
Isophorone	mg/kg		0.36U	0.37U	—	0.38U	0.37U	0.37U	0.38U	0.38U
Naphthalene	mg/kg		0.074 U	0.076 U		0.043/	0.075U	0.075U	0.077U	0.076 U
Nitrobenzene	mg/kg		0.074 U	0.076 U	U	0.07BU	0.075U	0.075U	0.077U	0.076U
N-Nitrosodl-n ropylamine	mg/kg		0.074 U	0.076U	U	0.078U	0.075U	0.075U	0.077U	0.076 U
N-Nitrosodiphenylamine	mg/kg		0.074U	0.076 U	U	0.078U	0.075U	0.075U	0.077U	0.076 U
Pentachlorophenol	mg/kg	U	0.36U	0.37U	U	0.38U	0.37U	0.37U	0.38U	0.38U
Phenanthrene	mg/kg		0.16	0.076U	U	0.0461	0.075U	0.075U	0.0211	0.028/
Phenol	mg/kg		0.074 U	0.076 U	U	0.078 u	0.075U	0.075U	0.077U	0.076 U
l'}'rene	mg/kg		0.099	0.076U	U	0.078U	0075U	0.075U	0.077U	0.076 U
					U	014U				

TABLE2

SOIL SAMPLING ANALYTICAL RESULTS
PHASE 11 ESA - UESURE LIVING SITE
BUFFALO, NEW YORK

			Location ID:	58-120	SB-12Σ	SB-13	SB-1.IA	SB-138	SB-UC	SB-1.10	58-IJE
			Samplt Namt:	S-5583--0604Q9-/R-018	S-5581J-060509-/R-01'	S-5583.1-052009-D0-014	S-558.1"60809-/R-020	S-5581-060909-/R-021	S-5583.1-1160909-/R-622	S-5583.1-060909-/R-OZJ	s-s.5833-061009-/R-024
			Samplt DaU':	61412009	6/512009	5120/2009	61812009	61912009	61912009	6/912009	6110/2009
			Dqlh'	1-9fl BGS	13-15/IBGS	D.5-4/I BGS	14-16/IBGS	12-14/tBGS	6-8/I BGS	12-14/1BGS	12-14/IBGS
		NYSOEC RUSCO-Comm. Stilndard									
Mttal$											
Aluminum	mg/kg	NC	–	–	2280/						
Antimony	mg/kg	NC	–	–	lOU						
Arsenic	mg/kg	16	–		1.0						
Barium	mg/kg	"""	–	–	9.9/						
Beryllium	mg/kg	590	–	–	0.19/						
Cadmium	mg/kg	9.3	–	–	0.10/						
c.Ikium	mg/kg	NC	–		382001						
Chromium	mg/kg	NC		–	5.7						
Cobalt	mg/kg	NC			1.7J						
Copper	mg/kg	210	–	–	7.6						
Iron	mg/kg	NC		–	5400						
J.,,od	mg/kg	1000	–		9.1						
Magnesium	mg/kg	NC	–	–	22200						
Mangane>e	mg/kg	10000	–	–	131						
Momuy	mg/kg	2B	–	–	0.043						
Nickel	mg/kg	310	–	–	5.0						
Pohls8ium	mg/kg	NC	–	–	544						
Selenium	mg/kg	1500	–	–	052U						
Silver	mg/kg	1500		–	*052U*						
Sodium	mg/kg	NC	–	–	90.SJ						
Thallium	mg/kg	NC			1.0U						
Vanadium	mg/kg	NC	–	–	8.3						
Zinc	mg/kg	10000			50.8/						
PCBs											
Anx:lor-1016 (PCB-1016)	mg/kg	NC		–	0.017U						
Aroclor-1221 (I'CB-1221)	mg/kg	NC	–	–	0.017U						
Aroclor-1232 (I'CB-1232)	mg/kg	NC	–	–	0.017U						
Amclor-1242 (PCB-1242)	mg/kg	NC		–	0.017U						
Arodor-1248 (PCB-1248)	mg/kg	NC	–	–	0.017U						
Arodor-1254 (I'CB-1254)	mg/kg	NC	–	–	0.017U						
Arodor-1260 (PCB-1260)	mg/kg	NC	–	–	0.017U						
Tottd Petroleum Hydrocarflons CTPH)											
TPHextractable (ORO)	mg/kg	NC	–	–	12000						
TPH • purgeable (GRO)	mg/kg	NC	–	–	14						
Wt Chnnistry											
Total Solids	%	NC	89.8	88.1	95.7	86.1	*88B*	89.3	*81.2*	86.•	

Notes:

NYSDEC RUSCO Comm. Standard: New York State Department of Conservation Part 375 restricted use soil cleanup objectives.

U Not present at or above the associated value.

J &timated Concentration

Concentration exceeds NYSDEC RUSCO Comm. Standard.

2009 GROUNDWATER SAMPLING ANALYTICAL RESULTS SUMMARY
PHASE II ESA
LEISURE LIVING FACILITY
BUFFALO, NEW YORK

			Location ID:	*SB-5*	*MW-2*
			Sample Name:	*W-55833-051809-D0-005*	*W-55833-061709-JR-*
			Sample Date:	*511812009*	6/17/2009
		New York State Water Quality			
Parameters	*Units*	*Standards a*	*Guidance Values*		
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	5	NC	l.SJ	lOOOO U
1,1,2,2-Tetrachloroethane 1,1,2-	µg/L	5	NC	5.0 U	lOOOO U
Trichloroethane	µg/L		NC	5.0 U	lOOOO U
1,1-Dichloroethane	µg/L	5	NC	1.5J	lOOOO U
1,1-Dichloroethene	µg/L	5	NC	5.0U	lOOOO U
1,2,4-Trichlorobenzene	µg/L	5	NC	5.0U	lOOOO U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	0.04	NC	5.0U	lOOOO U
1,2-Dibromoethane (Ethylene Dibromide)	µg/L	0.0006	NC	5.0U	lOOOO U
1,2-Dichlorobenzene	µg/L	3	NC	5.0U	lOOOO U
1,2-Dichloroethane	µg/L	0.6	NC	5.0U	lOOOO U
1,2-Dichloropropane	µg/L	1	NC	5.0U	lOOOO U
1,3-Dichlorobenzene	µg/L	3	NC	5.0U	lOOOO U
1,4-Dichlorobenzene	µg/L	3	NC	5.0 U	lOOOO U
2-Butanone (Methyl Ethyl Ketone)	µg/L	NC	50	1.2J	lOOOO U
2-Hexanone	µg/L	NC	50	5.0 U	lOOOO U
4-Methyl-2-Pentanone (Methyl lsobutyl Ketone)	µg/L	NC	NC	5.0 U	lOOOO U
Acetone	µg/L	NC	50	5.1J	40000 U
Benzene	µg/L		NC	5.0 U	lOOOO U
Bromodichloromethane	µg/L	NC	50	5.0 U	lOOOO U
Bromoform	µg/L	NC	50	5.0U	lOOOO U
Bromomethane (Methyl Bromide)	µg/L	5	NC	5.0 U	lOOOO U
Carbon disulfide	µg/L	60	60	5.0U	lOOOO U
Carbon tetrachloride	µg/L	5	NC	5.0 U	lOOOO U
Chlorobenzene	µg/L	5	NC	5.0U	lOOOO U
Chloroethane	µg/L	5	NC	1.4J	lOOOO U
Chloroform (Trichloromethane)	µg/L	7	NC	8.4[1]	lOOOO U
Chloromethane (Methyl Chloride)	µg/L	5	NC	5.0 U	lOOOO U
cis-1,2-Dichloroethene	µg/L	5	NC	S.9'	lOOOO U
cis-1,3-Dichloropropene	µg/L	NC	NC	5.0 U	lOOOO U
Cyclohexane	µg/L	NC	NC	5.0 U	lOOOO U
Dibromochloromethane	µg/L	NC	50	5.0U	lOOOO U
Dichlorodifluoromethane (CFC-12)	µg/L	5	NC	5.0U	lOOOO U
Ethylbenzene	µg/L	5	NC	5.0 U	lOOOO U
Isopropylbenzene	µg/L	5	NC	5.0 U	lOOOO U
Methyl acetate	µg/L	NC	NC	5.0 U	lOOOO U
Methyl cyclohexane	µg/L	NC	NC	5.0 U	lOOOO U
Methyl Tert Butyl Ether	µg/L	NC	10	5.0U	lOOOO U
Methylene chloride	µg/L	5	NC	5.0U	lOOOO U
Styrene	µg/L	5	NC	5.0 U	lOOOO U
Tetrachloroethene	µg/L	5	NC	5.0 U	lOOOO U
Toluene	µg/L	5	NC	5.0 U	lOOOO U
trans-1,2-Dichloroethene	µg/L	5	NC	5.0 U	lOOOO U
trans-1,3-Dichloropropene	µg/L	NC	NC	5.0U	lOOOO U
Trichloroethene	µg/L	5	NC	29'	290000"
Trichlorofluoromethane (CFC-11)	µg/L	5	NC	5.0 U	lOOOO U
Trifluorotrichloroethane (Freon 113)	µg/L	5	NC	5.0 U	0000 U
Vinyl chloride	µg/L	2	NC	3.3J'	10000 U
Xylene (total)	µg/L	NC	NC	S U	30000 U

2009 GROUNDWATER SAMPLING ANALYTICAL RESULTS SUMMARY
PHASE ll ESA
LEISURE LIVING FACILITY
BUFFALO, NEW YORK

				Location ID:	SB-5	MW-2
				Sample Name:	W-55833-051809-D0-005	W-55833-061709-JR-
				Sample Date:	511812009	611712009
		New York State Water Quality				
Parameters	*Units*	*Standards*	*Guidance Values*			
Semivolatile Organic Compounds						
2,2'-oxybis(l-Chloropropane) (bis(2-chloroisopropyl) ether) 2,4,5-	µg/L	5	NC		l.9 U	l.9 U
Trichlorophenol	µg/L	NC	NC		9.4 U	9.7 U
2,4,6-Trichlorophenol 2,4-	µg/L	NC	NC		9.4 U	9.7 U
Dichlorophenol	µg/L	5	NC		1.9 U	l.9 U
2,4-Dirnethylphenol	µg/L	NC	50		9.4 U	9.7 U
2,4-Dinitrophenol	µg/L	NC	10		47U	48 U
2,4-Dinitrotoluene	µg/L	5	NC		9.4 U	9.7U
2,6-Dinitrotoluene	µg/L	5	NC		9.4 U	9.7U
2-Chloronaphthalene	µg/L	NC	10		l.9 U	l.9 U
2-Chlorophenol	µg/L	NC	NC		9.4 U	9.7 U
2-Methylnaphthalene	µg/L	NC	NC		l.9 U	0.94J
2-Methylphenol	µg/L	NC	NC		9.4 U	9.7 U
2-Nitroaniline	µg/L	5	NC		47 U	48 U
2-Nitrophenol	µg/L	NC	NC		9.4 U	9.7 U
3,3'-Dichlorobenzidine	µg/L	5	NC		9.4 U	9.7U
3-Nitroaniline	µg/L	5	NC		47 U	48 U
4,6-Dinitro-2-methylphenol	µg/L	NC	NC		47U	48 U
4-Bromophenyl phenyl ether	µg/L	NC	NC		9.4 U	9.7 U
4-Chloro-3-methylphenol	µg/L	NC	NC		9.4 U	9.7U
4-Chloroaniline	µg/L	5	NC		9.4 U	9.7 U
4-Chlorophenyl phenyl ether	µg/L	NC	NC		9.4 U	9.7U
4-Methylphenol	µg/L	NC	NC		9.4 U	9.7U
4-Nitroaniline	µg/L	5	NC		47U	48U
4-Nitrophenol	µg/L	NC	NC		47U	48 U
Acenaphthene	µg/L	NC	20		l.9 U	l.9U
Acenaphthylene	µg/L	NC	NC		l.9 U	l.9U
Acetophenone	µg/L	NC	NC		9.4 U	2.5 J
Anthracene	µg/L	NC	50		1.9 U	l.9 U
Atrazine	µg/L	7.5	NC		9.4 U	9.7U
Benzaldehyde	µg/L	NC	NC		9.4 U	9.7U
Benzo(a)anthracene	µg/L	NC	0.002		l.9 U	l.9U
Benzo(a)pyrene	µg/L	NC	NC		l.9 U	l.9U
Benzo(b)fluoranthene	µg/L	NC	0.002		l.9 U	l.9 U
Benzo(g,h,i)perylene	µg/L	NC	NC		l.9 U	1.9 U
Benzo(k)fluoranthene	µg/L	NC	0.002		l.9 U	1.9 U
Biphenyl (l,1-Biphenyl)	µg/L	5	NC		9.4 U	9.7U
bis(2-Chloroethoxy)methane	µg/L	5	NC		9.4 U	9.7U
bis(2-Chloroethyl)ether	µg/L		NC		l.9 U	l.9U
bis(2-Ethylhexyl)phthalate	µg/L	5	NC		9.4 U	0.75J
Butyl benzylphthalate	µg/L	NC	50		9.4 U	9.7U
Caprolactam	µg/L	NC	NC		47U	48 U
Carbazole	µg/L	NC	NC		l.9 U	1.9 U
Chrysene	µg/L	NC	0.002		l.9 U	1.9 U
Dibenz(a,h)anthracene	µg/L	NC	NC		l.9 U	1.9 U
Dbenzofuran	µg/L	NC	NC		9.4 U	9.7 U
Diethyl phthalate	µg/L	NC	50		9.4 U	9.7 U
Dimethyl phthalate	µg/L	NC	50		9.4 U	9.7U
Di-n-butylphthalate	µg/L	50	NC		9.4 U	4.8J
Di-n-octyl phthalate	µg/L	NC	50		9.4 U	9.7U
Fluoranthene	µg/L	NC	50		l.9 U	1.9 U
Fluorene	µg/L	NC	50		1.9 U	1.9 U
Hexachlorobenzene	µg/L	0.04	NC		l.9 U	l.9 U
Hexachlorobutadiene	µg/L	0.5	NC		l.9 U	l.9 U

2009 GROUNDWATER SAMPLING ANALYTICAL RESULTS SUMMARY
PHASE II ESA
LEISURE LIVING FACILITY
BUFFALO, NEW YORK

				Location ID:	SB-5	MW-2
				Sample Name:	W-55833-051809-D0-005	W-55833-061709-fR-IJdl;
				Sample Date:	5/18/2009	6117/2009
		New York State Water Quality				
Parameters	Units	Standards	Guidance Values			
Se1nivolatile Organic Compounds Cont'd.						
Hexachlorocyclopentadiene	µg/L	5	NC	9.4 U	9.7 U	
Hexachloroethane	µg/L	5	NC	9.4 U	9.7 U	
Jndeno(l,2,3-cd)pyrene	µg/L	NC	0.002	1.9 U	1.9 U	
lsophorone	µg/L	NC	50	9.4 U	9.7 U	
Naphthalene	µg/L	NC	10	1.9 U	1.2J	
Nitrobenzene	µg/L	0.4	NC	1.9 U	1.9 U	
N-Nitrosodi-n-propylamine	µg/L	NC	NC	1.9 U	1.9 U	
N-Nitrosodiphenylamine	µg/L	NC	50	1.9 U	1.9 U	
Pentachlorophenol	µg/L	1	NC	9.4 U	9.7 U	
Phenanthrene	µg/L	NC	50	1.9 U	1.9 U	
Phenol	µg/L		NC	1.9 U	1.9 U	
Pyrene	µg/L	NC	50	1.9 U	1.9 U	
Metals						
Aluminum	µg/L	NC	NC	182000		
Antimony	µg/L	3	NC	2.9J		
Arsenic	µg/L	25	NC	178		
Barium	µg/L	1000	NC	825		
Beryllium	µg/L	NC	3	10.s:		
Cadmium	µg/L	5	NC	9.SJ		
Calcium	µg/L	NC	NC	782000		
Chromium	µg/L	50	NC	374		
Cobalt	µg/L	NC	NC	188J		
Copper	µg/L	200	NC	1020J"		
Iron	µg/L	300	NC	4UI!OOIJ		
Lead	µg/L	25	NC	301J"		
Magnesium	µg/L	NC	35000	183000"		
Manganese	µg/L	300	NC	10600"		
Mercury	µg/L	0.7	NC	0.36		
Nickel	µg/L	100	NC	541J		
Potassium	µg/L	NC	NC	45100		
Selenium	µg/L	10	NC	10.0 U		
Silver	µg/L	50	NC	2.7J		
Sodium	µg/L	20000	NC	190000"		
Thallium	µg/L	NC	0.5	10.0 UJ		
Vanadium	µg/L	NC	NC	344		
Zinc	µg/L	NC	2000	2310J°		

2009 GROUNDWATER SAMPLING ANALYTICAL RESULTS SUMMARY
PHASE II ESA
LEISURE LIVING FACILITY
BUFFALO, NEW YORK

			Location ID:	*SB-5*	MW-2
			Sample Name:	*W-55833-051809-D0-005*	*W-55833-061709-/R-oti*
			Sample Date:	*511812009*	*611712009*
		New York State Water Quality			
Parameters	*Units*	*Standards*	*Guidance Values*		
Metals (Dissolved)					
Aluminum (Dissolved)	µg/L	NC	NC	200 U	
Antimony (Dissolved)	µg/L	3	NC	1.6J	
Arsenic (Dissolved)	µg/L	25	NC	2.9J	
Barium (Dissolved)	µg/L	1000	NC	25.9J	
Beryllium (Dissolved)	µg/L	NC	3	4.0U	
Cadmium (Dissolved)	µg/L	5	NC	0.13J	
Calcium (Dissolved)	µg/L	NC	NC	72500J	
Chromium Total (Dissolved)	µg/L	50	NC	0.92J	
Cobalt (Dissolved)	µg/L	NC	NC	3.8J	
Copper (Dissolved)	µg/L	200	NC	5.7J	
Iron (Dissolved)	µg/L	300	NC	lOO U	
Lead (Dissolved)	µg/L	25	NC	3.0 U	
Magnesium (Dissolved)	µg/L	NC	35000	13200	
Manganese (Dissolved)	µg/L	300	NC	15.0 U	
Mercury (Dissolved)	µg/L	0.7	NC	0.20 U	
Nickel (Dissolved)	µg/L	100	NC	4.7J	
Potassium (Dissolved)	µg/L	NC	NC	24500	
Selenium (Dissolved)	µg/L	10	NC	3.2J	
Silver (Dissolved)	µg/L	50	NC	5.0 U	
Sodium (Dissolved)	µg/L	20000	NC	233000[1]	
Thallium (Dissolved)	µg/L	NC	*05*	3.SJ[1]	
Vanadium (Dissolved)	µg/L	NC	NC	4.5J	
Zinc (Dissolved)	µg/L	NC	2000	20.0 U	
PCBs					
Aroclor-1016 (PCB-1016)	µg/L	NC	NC	0.38 U	
Aroclor-1221 (PCB-1221)	µg/L	NC	NC	0.38 U	
Aroclor-1232 (PCB-1232)	µg/L	NC	NC	0.38U	
Aroclor-1242 (PCB-1242)	µg/L	NC	NC	0.38U	
Aroclor-1248 (PCB-1248)	µg/L	NC	NC	0.38U	
Aroclor-1254 (PCB-1254)	µg/L	NC	NC	0.38U	
Aroclor-1260 (PCB-1260)	µg/L	NC	NC	0.38 U	
Total Petroleum Hydrocarbons (TPH)					
TPH - extractable (ORO)	µg/L	NC	NC	120J	
TPH - purgeable (GRO)	µg/L	NC	NC	37J	

Notes:

U — Not present at or above the associated value.

J — Estimated Concentration.

[1] concentration exceeds NYSDEC RUSCO-Comm. Standard.

TABLE 4
SUMMARY OF ASBESTOS ANALYTICAL RESULTS
PHASE II ESA
LEISURE UVING SITE
BUFFALO, NEW YORK

Samplef	**Material Description**	**Sample Location**	Sample ID	PLM Analytical Results	TEM Analytical Results	ACM? (Yes/No)	Approximate Total Quantity	**Accessibility**	Potential for Dama	**Condition**	Friable? (Yes/No)
A-55833-jDW-001	**Fibrous insulation material**	Basement	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						
A-55833-JDW-002	**White patch material located around** the end of the biolers and pipes	Basement	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						
A-55833-JDW-003	**Surface materiaJ on the walls**	FA#3	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						
A-55833-JDW-ll04	1SI	FA#2	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						
A-55833-jDW-005	**White patch material located on the expansion joints and elbows of the** new1SI	FA#l,2 and 6	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						
A-55833-JDW-006	1SI	FA#2	A	NAO	NAO	No	NA	NA	NA	NA	NA
			B	NAO	NAO						
			C	NAO	NAO						

Notes:

ACM - Asbestos Containing

NAO - No Asbestos Detected; PLM Analysis

TEM - Transmission Electron Microscopy

PLM - Polarized Light Microscopy

NA - Non Applicable

FA - Functional Area

SF - Square Feet

LF - Linear Feet

Friable ACM - any material containing more than I percent asbestos as determined using PLM, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

Nonfriable ACM - any material containing more than I percent asbestos as determined using PLM, that, when dry, cannot be crumbled, pulverized, or reduced to powder by

Postive Stop - Sample was not analyzed due to the fact that a previous sample of the same Homgenous Area contained >1'.>Jo asbestos. A defined Homgenous Area is considered to be ACM if one sample of the material is determined to contain >1% asbestos.

TABLE 4
SUMMARY OF ASBESTOS ANALYTICAL RESULTS
LEISURE LNING SITE
BUFFAW, NEW YORK

Sample /	Material Description	Sample Location	Sample ID	PLM Analytical Results	TEM Analytical Results	ACM? (Yes/No)	Approximate Total Quantity	**Accessibility**	Potential for Damage?	**Condition**	Friable? (Yes/No)
A-55833-JDW-007	**1' x 1' yellow floor tiles w/ mastic**	Office Area	A	NAD	NAD	No	NA	NA	NA	NA	NA
			B	NAD	NAD						
			C	NAD	NAD						
A-55833-JDW-008	**9" x 9" yellow floor tiles w/ mastic**	Office Area	A	NAD	NAD	No	NA	NA	NA	NA	NA
			B	NAD	NAD						
			C	NAD	NAD						
A-55833-JDW-009	grey/tan cove base w/ masttic	Office Area	A	NAD	NAD	No	NA	NA	NA	NA	NA
			B	NAD	NAD						
			C	NAD	NAD						
A-55833-JDW-010	Grey hard pipe	Northwest comer of FA#5	A	30%Chrysotile	NA	Yes	15LF	yes	yes	poor	yes
			B	PostiveStop	NA						
			C	**Postive Stop**	NA						
A-55833-JDW-011	**Brown insuJation over the metal duct work**	East side of FA#6	A	NAD	NA	No	NA	NA	NA	NA	NA
			B	NAD	NA						
			C	NAD	NA						
A-55833-JDW-012	**I' x I' tan floor tile w/ mastic**	**Small storage room in the north area** of FA#6	A	NAD							
			B	NAD							
			C	NAD							

Notes:

ACM - Asbestos Containing

NAD - No Asbestos Detected; PLM Analysis

TEM -Transmission Electron Microscopy

PLM - Polarized Light Microscopy

NA·Non Applicable FA·Functional Area

SF Square Feet

LF - Linear Feet

Friable ACM - any material containing more than 1percent asbestos as determined using PLM, that when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

Nonfriable ACM any material containing more than 1 percent asbestos as determined using PLM, that, when dry, cannot be crumbled, pulverized, or reduced to powder by

Postive Stop - Sample was not analyzed due to the fact that a previous sample of the same Homgenous Area contained >I% asbestos_ A defined Homgenous Area is considered to be ACM if one sample of the material is determined to contain >1% asbestos.

TABLE4
SUMMARY OF ASBESTOS ANALYTICAL RESULTS
LEISURE LIVING SITE
BUFFAW, NEW YORK

Sample t	Material Description	Sample Location	Sample ID	PLM Analytical Results	TEM Analytical Results	ACM? (YeslNo)	Approximate Total Quantity	**Accessibility**	**Potential for Damage?**	**Condition**	Friable? (YeslNo)
A-55833-JDW-013	Drywall w/ joint compound	**Small storage room in the north area** of FA#6	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						
A-55833-]DW-014	**Surface material on the columns**	FA#6	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						
A-55833-]DW-015	1'x ' black w/ grey specs w/ mastic	**Storage room in the north area of** FA#6	A	NAO							
			B	NAO							
			C	NAO							
A-55833-JDW-016	Drywall w/ joint compound	**Storage room in the north area of** FA#6	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						
A-55833-JDW-017	Grey and red carpet w/ mastic	Office Area	A	NAO							
			B	NAO							
			C	NAO							
A-55833-JDW-018	Dark grey carpet w/ mastic	Office Area	A	NAO							
			B	NAO							
			C	NAO							

Notes:

ACM • Asbestos Containing

NADNo Asbestos Detected; PLM Analysis

TEM - Transmission Electron Microscopy

PLM - Polarized Light Microscopy

NA· Non Applicable

FA • Functional Area

SF • Square Feet

LF - Linear Feet

Friable ACM - any material containing more than 1percent asbestos as determined using PLM, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

Nonfriable ACM - any material containing more than 1percent asbestos as determined using PLM, that, when dry, cannot be crumbled, pulverized, or reduced to powder by

Postive Stop Sample was not analyzed due to the fact that a previous sample of the same Homgenous Area contained >1% asbestos. A defined Homgenous Area is considered to be ACM if one sample of the material is determined to contain >1% asbestos.

TABLE4

SUMMARY OF ASBESTOS ANALYTICAL RESULTS
LEISURE LIVING SITE
BUFFALO, NEW YORK

Sample f	Material Description	Sample Location	Sample ID	PLM Analytical Results	TEM Analytical Results	ACM? (Yes/No)	Approximate Total Quantity	Accessibility	Potential for Damage?	Condition	Friable? (Yes/No)
A-55833-JDW-019	Light grey carpet w/ mastic	**Office Area**	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						
A-55833-JDW-020	White ceiling tile	Office Area	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						
A-55833-JDW-021	Off-white ceiling tile	Office Area	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						
A-55833-JDW-022	**Browncove base w/ masttic**	Office Area	A	NAO							
			B	NAO							
			C	NAO							
A-55833-JDW-023	**Dark grey cove base w/ masttic**	**Office Area**	A	NAO							
			B	NAO							
			C	NAO							
A-55833-JDW-024	**Tan cove base w/ masttic**	Office Area	A	NAO							
			B	NAO							
			C	NAO							

Notes:

ACM • Asbestos Containing

NAO - No Asbestos Detected; PLM Analysis

TEM - Transmission Electron Microscopy

PLM - Polarized Light Microscopy

NA - Non Applicable

FA· Functional Area

SF Square Feet

LF - Linear Feet

Friable ACM· any material containing more than 1percent asbestos as determined using PLM, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

Nonfriable ACM - any material containing more than 1percent asbestos as determined using PLM, that, when dry, cannot be crumbled, pulverized, or reduced to powder by

Postive Stop -Sample was not analyzed due to the fact that a previous sample of the same Homgenous Area contained >1% asbestos. A defined Homgenous Area is considered to be ACM if one sample of the material is determined to contain >1% asbestos.

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TABLE4
SUMMARY OF ASBESTOS ANALYTICAL RESULTS
LEISURE LNING SITE
BUFFALO, NEW YORK

Sample#	**Material Description**	**Sample Location**	Sample ID	PIM Analytical **Results**	TEM Analytical Results	ACM? (Yea/No)	Approximate Total Quantity	**Accessibility**	**Potential for Damage?**	**Condition**	Friable? (Yea/No)
A-55833-)DW-025	Dry wall w/ joint compound	Office Area	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						

Notes:

ACM • Asbestos Containing

NAD - No Asbestos Detected; PLM Analysis

TEM .. Transmission Electron Microscopy

PIM - Polarized Light Microscopy

NA - Non Applicable

SF • Square Feet

LF • Linear Feet

FA - Functional Area

Friable ACM - any material containing more than 1percent asbestos as determined using PLM, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

Nonfriable ACM - any material containing more than 1percent asbestos as determined using PLM, that, when dry, cannot be crumbled, pulverized, or reduced to powder by

Postive Stop - Sample was not analyzed due to the fact that a previous sample of the same Homgenous Area contained >1%asbestos. A defined Homgenous Area is considered to be ACM if one sample of the material is determined to contain >1%asbestos.

TABLE 4

SUMMARY OF ASBESTOS ANALYTICAL RESULTS
LEISURE LIVING SITE
BUFFAW, NEW YORK

Sample #	Material Description	Sample Location	Sample ID	PLM Analytkal Results	TEM Analytical Results	ACM? (Yes/No)	Approximate Total Quantity	Accessibility	Potential for Dama2e?	Condition	Friable? (Yes/No)
A-55833-JDW-001	**Fibrous insulation material**	**Basement**	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						
A-55833-JDW-002	**White patch material located around the end of the biolers and pipes**	**Basement**	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						
A-55833-JDW-003	**Surface material on the walls**	FA#3	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						
A-55833-JDW-004	1SI	FA#2	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						
A-55833-JDW-005	White patch material located on the **expansion joints and elbows of the new TSI**	FA#!, 2 and 6	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						
A-55833-JDW-006	lSI	FA#2	A	NAO	NAO	No	NA	NA	NA	NA	NA
			B	NAO	NAO						
			C	NAO	NAO						

Notes:

ACM - Asbestos Containing

NAD - No Asbestos Detected; PLM Analysis

TEM ·Transmission Electron Microscopy

PLM - Polarized Light Microscopy

NA - Non Applicable

FA - Functional Area

SF - Square Feet

LF - Linear Feet

Friable ACM - any material containing more than 1percent asbestos as determined using PLM, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

Nonfriable ACM - any material containing more than I percent asbestos as determined using PLM, that, when dry, cannot be crumbled, pulverized, or reduced to powder by

Postive Stop - Sample was not analyzed due to the fact that a previous sample of the same Homgenous Area contained >1% asbestos. A defined Homgenous Area is considered to be ACM if one sample of the material is determined to contain >1% asbestos.

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TABLE 4
SUMMARY OF ASBESTOS ANALYTICAL RESULTS
LEISURE UVING SITE
BUFFAW, NEW YORK

Sample #	Material Description	Sample Location	Sample ID	PLM Analytical Results	TEM Analytical Results	ACM? (Yes/No)	Approximate Total Quantity	Accessibility	Potential for Damage?	Condition	Friable? (Yes/No)
A-55833-)DW-007	1' x 1' yellow floor tiles w/ mastic	Office Area	A	NAD	NAD	No	NA	NA	NA	NA	NA
			B	NAD	NAD						
			C	NAD	NAD						
A-55833-)DW-008	9" x 9" yellow floor tiles w/ mastic	Office Area	A	NAD	NAD	No	NA	NA	NA	NA	NA
			B	NAD	NAD						
			C	NAD	NAD						
A-55833-)DW-009	grey/tan cove base w/ masttic	Office Area	A	NAD	NAD	No	NA	NA	NA	NA	NA
			B	NAD	NAD						
			C	NAD	NAD						
A-55833-JDW-010	Grey hard pipe	Northwest corner of FA#5	A	30% Chrysotile	NA	Yes	15 LF	yes	yes	poor	yes
			B	Postive Stop	NA						
			C	PostiveStop	NA						
A-55833-)DW-011	Brown insulation over the metal duct work	East side of FA#6	A	NAD	NA	No	NA	NA	NA	NA	NA
			B	NAD	NA						
			C	NAD	NA						
A-55833-)DW-012	1' x tan floor tile w/ mastic	Small storage room in the north area of FA#6	A	NAD	NAD	No	NA	NA	NA	NA	NA
			B	NAD	NAD						
			C	NAD	NAD						

Notes:

ACM - Asbestos Containing

NAD - No Asbestos Detected; PLM Analysis

TEM - Transmission Electron Microscopy

PLM - Polarized Light Microscopy

NA - Non Applicable

FA - Functional Area

SF - Square Feet

LF - Linear Feet

Friable ACM - any material containing more than 1percent asbestos as determined using PLM, that, when dry, can be crumbled, pulveri2:ed, or reduced to powder by hand pressure.

Nonfriable ACM - any material containing more than 1percent asbestos as determined using PLM, that, when dry, cannot be crumbled, pulveri2:ed, or reduced to powder by

Postive Stop-Sample was not analyzed due to the fact that a previous sample of the same Homgenous Area contained >1% asbestos. A defined Homgenous Area is considered to be ACM if one sample of the material is determined to contain >1% asbestos.

TABLE4
SUMMARY OF ASBESTOS ANALYTICAL RESULTS
LEISURE UVING SITE
BUFFALO, NEW YORK

Sample #	Material Description	Sample Location	Sample ID	PLM Analytical Results	TEM Analytical Results	ACM? (Yes/No)	Approximate Total Quantity	Accessibility	Potential for Dama2e?	Condition	Friable? (Yes/No)
A-55833-JDW-013	Dry wall w/ joint compound	Small storage room in the north area off A#6	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						
A-55833-JDW-014	Surface material on the columns	FA#6	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						
A-55833-JDW-015	1' x 1' black w/ grey specs w/ mastic	Storage room in the north area of FA#6	A	NAO	NAO	No	NA	NA	NA	NA	NA
			B	NAO	NAO						
			C	NAO	NAO						
A-55833-JDW-016	Dry wall w/ joint compound	Storage room in the north area of FA#6	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						
A-55833-JDW-017	Grey and red carpet w/ mastic	Office Area	A	NAO	NAO	No	NA	NA	NA	NA	NA
			B	NAO	NAO						
			C	NAO	NAO						
A-55833-JDW-018	Dark grey carpet w/ mastic	Office Area	A	NAO	NAO	No	NA	NA	NA	NA	NA
			B	NAO	NAO						
			C	NAO	NAO						

Notes:

ACM - Asbestos Containing

NAO - No Asbestos Detected; PLM Analysis

TEM -Transmission Electron Microscopy

PLM - Polarized Light Microscopy

NA -Non Applicable

SF - Square Feet

LF - Linear Feet

FA -Functional Area

Friable ACM - any material containing more than 1percent asbestos as determined using PLM, that. when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

Nonfriable ACM - any material containing more than 1percent asbestos as determined using PLM, that, when dry, cannot be crumbled, pulverized, or reduced to powder by

Postive Stop - Sample was not analyzed due to the fact that a previous sample of the same Homgenous Area contained >1% asbestos. A defined Homgenous Area is considered to be ACM if one sample of the material is determined to contain >1% asbestos.

TABLE 4
SUMMARY OF ASBESTOS ANALYTICAL RESULTS
LEISURE UVING SITE
BUFFAW, NEW YORK

Sample #	**Material Descriotion**	Sample Location	Sample IO	PLM Analytical Results	TEM Analytical Results	ACM? (Yes/No)	Approximate Total Quantity	Accessibility	Potential for Oama2e?	Condition	Friable? (Yes/No)
A-55833-JDW-019	Light grey carpet w/ mastic	Office Area	A	NAO	NAO	No	NA	NA	NA	NA	NA
			B	NAO	NAO						
			C	NAO	NAO						
A-55833-JDW-020	White ceiling tile	Office Area	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						
A-55833-JDW-021	Off-white ceiling tile	Office Area	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						
A-55833-JDW-022	**Browncove base w/ masttic**	Office Area	A	NAO	NAO	No	NA	NA	NA	NA	NA
			B	NAO	NAO						
			C	NAO	NAO						
A-55833-JDW-023	**Dark grey cove base w/ masttic**	Office Area	A	NAO	NAO	No	NA	NA	NA	NA	NA
			B	NAO	NAO						
			C	NAO	NAO						
A-55833-JDW-024	**Tan cove base w/ masttic**	Office Area	A	NAO	NAO	No	NA	NA	NA	NA	NA
			B	NAO	NAO						
			C	NAO	NAO						

Notes:

ACM - Asbestos Containin11

NAO - No Asbestos Detected; PLM Analysis

TEM .Transmission Electron Microscopy

PLM - Polarized Light Microscopy

NA - Non Applicable FA - Functional Area

SF - Square Feet

LF - Linear Feet

Friable ACM - any material containing more than I percent asbestos as determined using PLM, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

Nonfriable ACM - any material containing more than 1percent asbestos as determined using PLM, that, when dry, cannot be crumbled, pulverized, or reduced to powder by

Postive Stop - Sample was not analyzed due to the fact that a previous sample of the same Homgenous Area contained >1% asbestos. A defined Homgenous Area is considered to be ACM if one sample of the material is determined to contain >1°/u asbestos.

TABLE4
SUMMARY OF ASBESTOS ANALYTICAL RESULTS
LEISURE LIVING SITE
BUFFALO, NEW YORK

Sample #	Material Descriotion	Samole Location	Sample ID	PLM Analytical Results	TEM Analytical Results	ACM? (Yes/No)	Approximate Total Quantity	Accessibility	Potential for Damaae?	Condition	Friable? (Yes/No)
A-55833-JDW-025	Drywall w/ joint compound	Office Area	A	NAO	NA	No	NA	NA	NA	NA	NA
			B	NAO	NA						
			C	NAO	NA						

Notes:

ACM - Asbestos Containing

NAO - No Asbestos Detected; PLM Analysis

TEM - Transmission Electron Microscopy

PLM - Polarized Light Microscopy

NA - Non Applicable

SF - Square Feel

LF - Linear Feet

FA - Functional Area

Frial>le ACM - any material containing more than 1percent asbestos as determined using PLM, *that*, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

Nonfriable ACM - any material containing more than 1percent asbestos as determined using PLM, that, when dry, cannot be crumbled, pulverized, or reduced to powder by

Postive Stop - Sample was not analyz.ed due to the fact that a previous sample of the same Homgenous Area contained >1% asbestos. A defined Homgenous Area is considered to be ACM if one sample of the material is determined to contain >1% asbestos.

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TABLES

SUMMARY OF ASBESTOS CONTAINING MATERIALS
PHASE ll ESA
LEISURE LIVING SITE
BUFFALO NEW YORK

Sample#	Material Description	General Location (s)	Approximate Total Quantity	Condition	Friable? (Yes/No)
OlO A, B,C	Grey hard pipe	Northwest comer of FA#S	15LF	poor	Yes
Previous Sampling	TSI	Basement	86 LF	poor	Yes
Previous Sampling	TSI	Basement	87LF	poor	Yes
Previous Sampling	TSI	North of Bay FlO; Sub Station #4	40 LF	good	Yes
Previous Sampling	TSI	West of Bay CV (2nd floor); A/C Room	40 LF	good	Yes
Previous Sampling	TS!	Between Bays E7 through E16	200 LF	good	Yes
Previous Sampling	TS!	West of Bay AS (1st floor); 47Fan Room	40 LF	good	Yes
Previous Sampling	TS!	Southwest of Bay Hll	S LF	good	Yes
Previous Sampling	TS!	Between Bays Al through A2; Large 47 Transformer Room	S LF	good	Yes
Previous Sampling	TS!	Bay l9	2 LF	good	Yes
Previous Sampling	TSl	47 Stairwell to Cave	35LF	good	Yes

Notes:
ACM-Asbestos Containing Material (a material containing >1% asbestos)
SF - Square Feet
LF - Linear Feet
TSI -Thermal System Insulation

Friable ACM- any material containing more than 1percent asbestos as determined using PLM, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

Nonfriable ACM - any material containing more than 1percent asbestos as determined using PLM, that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

ATTACHMENT 1

DATA VALIDATION MEMORANDUM

CONESTOGA-ROVERS
& ASSOCIATES

2055 Niagara Falls Blvd., Suite #3
Niagara Falls, New York 14304
Telephone: (716) 297-6150 Fax: (716) 297-2265
www.CRAworld.com

MEMORANDUM

To: Chris Martin

REF. No.: 055833

FROM: Kathleen Willy/bjw/1

DATE: July 9, 2009

CC: John Raby

MW.qygste,d

RE: Data Quality Assessment and Validation
Phase II Investigation
Leisure Living
Buffalo, New York
May - June 2009

INTRODUCTION

The following details a quality assessment and validation of the analytical data resulting from soil, water, and paint samples collected from May-June, 2009, from the Leisure Living site in Buffalo, New York for the Phase II Investigation sampling event. The sample summary detailing sample identification, sample location, quality control (QC) samples, and analytical parameters is presented in Table 1. Sample analysis was completed at TestAmerica, Inc. (TA), located in Pittsburgh, Pennsylvania, in accordance with the methodologies presented in Table 2. The analytical results are summarized in Table 3.

The QC criteria used to assess the data were established by the methods and the application of quality assurance criteria was consistent with the guidance documents:

i) "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-99/008, October 1999

ii) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Review", USEPA 540/R-94/013, February 1994

These guidelines are collectively referred to as "Guidelines" in this memorandum.

SAMPLE QUANTITATION

The laboratory reported detected concentrations of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), diesel range organics (DRO), gasoline range organics (GRO), and metals below the laboratory's practical quantitation limit (PQL)/ report limit (RL) but above the laboratory's method detection limit (MDL). The laboratory flagged these sample concentrations with a "J" or a "B" for organics and inorganics respectively. These concentrations should be qualified as estimated (J) values unless qualified otherwise in this memorandum. The laboratory "B" flags may be disregarded.

SAMPLE PRESERVATION AND HOLDING TIMES

Sample holding time periods and preservation requirements are summarized in the analytical methods. All sample extractions and/or analyses were performed within the specified holding times.

All samples were properly preserved and cooled to 4°C(±2°C) after collection.

METHOD BLANK SAMPLES

Method blank samples are prepared from a purified sample matrix and are processed concurrently with investigative samples to assess the presence and the magnitude of sample contamination introduced during sample analysis. Method blank samples are analyzed at a minimum frequency of one per analytical batch and target analytes should be non-detect.

Method blanks were analyzed at the recommended frequency and the results were non-detect for all analytes of interest with the exception of low concentrations of VOCs, DRO, and metals. All associated sample results with similar concentrations were qualified as non-detect (see Table 4). Sample results that were either non-detect or significantly greater than the concentration found in the blank would not have been impacted.

SURROGATE COMPOUNDS - ORGANIC ANALYSES

Individual sample performance for organic analyses was monitored by assessing the results of surrogate compound percent recoveries. Surrogate percent recoveries are reviewed against the laboratory developed control limits provided in the analytical report.

All surrogate recoveries met the method criteria, demonstrating acceptable analytical efficiency for these analyses with the exception of a low recovery for one TPH-DRO analysis. The associated sample result was qualified as estimated to reflect the implied low bias (see Table 5). Some surrogate recoveries were not assessed due to necessary sample dilutions.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) ANALYSES

To assess the long term accuracy and precision of the analytical methods on various matrices, MS/MSD percent recoveries and relative percent differences (RPD) of the concentrations were determined. The organic MS/MSD percent recovery and RPD control limits are established by the laboratory. The inorganic control limits are defined by the methods and the "Guidelines", which require recoveries between 75 to 125 percent with RPDs less than 20 percent for water samples and 30 percent for soil samples.

MS/MSD analyses were performed for all parameters. MS/MSD recoveries were acceptable with the following exceptions:

i) Some high metals recoveries were observed. The associated positive sample results were qualified as estimated to reflect the implied high bias (see Table 6).

ii) Some low metals recoveries were observed. All associated results were qualified as estimated to reflect the implied low bias (see Table 6).

LABORATORY CONTROL SAMPLE (LCS)

The LCS analysis serves as a monitor of the overall performance in all steps of the sample analysis and is analyzed with each sample batch. The LCS percent recoveries were evaluated against method and laboratory established control limits.

The LCS percent recoveries were within the laboratory control limits indicating acceptable analytical accuracy with the exception of some variability between some DRO recoveries. The associated sample result was qualified as estimated (see Table 7).

TARGET COMPOUND QUANTITATION

The reported quantitation results and detection limits were checked to ensure results reported were accurate. No discrepancies were found between the raw data and the sample results reported by the laboratory.

FIELD QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

Site specific field QA/QC samples were not collected.

OVERALL ASSESSMENT

The data were found to exhibit acceptable levels of accuracy and precision, based on the provided information, and may be used with the qualifications and exceptions noted herein.

TABLE l

SAMPLE COLLECTION AND ANALYSIS SUMMARY
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

Sample l.D.	Location I.D.	Matrix	Collection Date (mm/dd/yy)	Collection Time (hr:min)	Start Depth (ft bg s)	End Depth (ft bgs)	Analysis/Parameters
S-55833-051809-()()..001	BH-1	Soil	05/18/09	9:30	0	6	X X X X X
S-55833-051809-()()..002	BH-2	Soil	05/18/09	10:30	0	6	X X X X X
S-55833-051809-00-003	BH-3	Soil	05/18/09	12:00	0	8	X X X X X
S-55833-051809-00-004	BH-4	Soil	05/18/09	13:30	0	8	X X X X X
VV-55833-051809-00-005	BH-5	VVater	05/18/09	14:30	-	-	X X X X X X S-55833-051909-00-
006	BH-6	Soil	05/19/09	8:00	0	8	X X X X X
S-55833-051909-00-007	BH-7	Soil	05/19/09	*9:00*	0	6	X X X X X
S-55833-051909-()()..008	BH-8	Soil	05/19/09	9:45	0	6	X X X X X
S-55833-051909-()()..009	BH-9	Soil	05/19/09	10:15	0	6	X X X X X
S-55833-051909-00-010	BH-10	Soil	05/19/09	11:15	0	6	X X X X X
S-55833-051909-00-011	BH-11	Soil	05/19/09	12:30	0	6	X X X X X
S-55833-051909-00-012	BH-12	Soil	05/19/09	14:00	1	5	X X X X X
S-55833-052009-00-013	BH-12	Soil	05/20/09	10:00	13.5	15.5	X X X X X
S-55833-052009-00-014	BH-13	Soil	05/20/09	11:30	0.5	4	X X X X X
P-55833-051909-00-015	OFFICE	Paint	05/19/09	11:00	-	-	X
P-55833-051909-00-016	CENTER	Paillt	05/19/09	11:10	-	-	X
P-55833-051909-00-017	VVEST	Paint	05/19/09	11:20	-	-	X
S-55833-060409-JR-015	BH-12A	Soil	06/04/09	9:00	7	9	X X
S-55833-060409-JR-016	BH-12B	Soil	06/04/09	9:30	7	9	X X
S-55833-060409-JR-017	BH-12C	Soil	06/04/09	10:30	9	11	X X
S-55833-060409-JR-018	BH-120	Soil	06/04/09	13:30	7	9	X X
S-55833-060509-JR-019	BH-12E	Soil	06/05/09	12:00	13	15	X X

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

Sample I.D.	*Location* I.D.	*Matrix*	*Collection Date (mm/dtVyy)*	*Collection Time (hr:min)*	*Start Depth (ft bg s)*	*End Depth (ft bg s)*	*Analysis/Parameters*					
S-55833-060809-JR-020	BH-13A	Soil	06/08/09	13:00	14	16	X	X				
5-55833-060909-JR-021	BH-13B	Soil	06/09/09	9:15	12	14	X	X				
S-55833-060909-JR-022	BH-13C	Soil	06/09/09	13:15	6	8	X	X				
S-55833-060909-JR-023	BH-13D	Soil	06/09/09	15:00	12	14	X	X				
5-55833-061009-JR-024	BH-13E	Soil	06/10/09	12:00	12	14	X	X				
W-55833-0061709-JR-001	MW-2	Water	06/17/09	12:00	-	-	X	X				

Notes:

DRO - Diesel Range Organics.
GRO - Gasoline Range Organics.
PCBs - Polychlorinated Biphenyls.
SVOCs - Semi-Volatile Organic Compounds.
VOCs - Volatile Organic Compounds.

TABLE 2

SUMMARY OF ANALYTICAL METHODS
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

Parameter	*Method* [1]
TCL VOCs	SW-846 8260B
TCL BNs	SW-846 8270C
PCBs	SW-846 8081
TPH-ERO	SW-846 8015 modified
TAL Metals (total and dissolved)	SW-846 6010/7000 Series
Cyanide (total and amenable)	SW-846 9012
Hexavaleilt Chromium	SW-846 7196

Notes:

[1] - "Test Methods for Solid Waste/Physical Chemical Methods", SW-846, 3rd Edition, September 1986 (with all subsequent revisions).
BNs - Base Neutral Compounds.
ERO - Extended Range Organics.
PCBs - Polychlorinated Biphenyls.
TCL - Target Compound List.

TPH - Total Petroleum Hydrocarbon.
VOCs - Volatile Organic Compounds.

LI

CRA 05583H4emo-l-Thls

TABLE 3A

ANALYfICAL RESULTS SUMMARY - SOIL
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

	Location JD:	BH-1	BH-2	BH-3	BH-4	BH-6	BH-7
	Sample Name:	S-55833-051809-D0-001	S-55833-051809-D0-002	S-55833-051809-D0-003	S-55833-051809-D0-004	S-55833-051909-D0-006	S-55833-051909-00-007
	Sample Date:	til1009	til1009	til1009	til1009	til1009	tjl1009
	Depth:	0-6ft BGS	0-6ft BGS	0-Bft BGS	0-8/t BGS	0-8ft BGS	0-6ft BGS
Para1neters	u,.;ts						
Volatile Organic Compounds							
1,1,1-Trichloroelhane	µg/kg	5.9 U	5.4 U	6.3 U	5.6 U	5.5 U	6.2 U
1,1,2,2-Tetrachloroethane	µg/kg	5.9 U	5.4 U	6.3 U	5.6 U	5.5 U	6.2 U
1,1,2-Trichloroethane	µg/kg	5.9U	5.4 U	6.3U	5.6 U	5.5U	6.2 U
1,1-Dichloroethane	µg/kg	5.9 U	5.4 U	6.3U	5.6 U	5.5 U	6.2 U
1,1-Dichloroethene	µg/kg	5.9 U	5.4 U	6.3U	5.6U	5.5 U	6.2 U
1,2,4-Trichlorobenzene	µg/kg	5.9 U	5.4 U	6.3 U	5.6U	5.5 U	6.2 U
l,2-Dibromo-3-cltloropropane (DBCP)	µg/kg	5.9 U	5.4 U	6.3U	5.6 U	5.5 U	6.2 U
1,2-Dibromoethane (Ethylene Dibromide)	µg/kg	5.9 U	5.4 U	6.3U	5.6 U	5.5 U	6.2 U
1,2-Dichlorobenzene	µg/kg	5.9 U	5.4 U	6.3 U	5.6 U	5.5 U	6.2 U
1,2-Dichloroethane	µg/kg	5.9 U	5.4 U	6.3U	5.6 U	5.5 U	6.2 U
1,2-Dichloropropane	µg/kg	5.9 U	5.4 U	6.3U	5.6 U	5.5U	6.2 U
1,3-Dichlorobenzene	µg/kg	5.9 U	5.4 U	6.3 U	5.6 U	5.5U	6.2 U
1,4-Dichlorobelll.ene	µg/kg	5.9 U	5.4 U	6.3U	5.6U	3.0J	6.2 U
2-Butanone (Methyl Ethyl Ketone)	µg/kg	5.9 U	5.4 U	6.3U	5.6U	5.5 U	6.2 U
2-Hexanone	µg/kg	5.9 U	5.4 U	6.3U	5.6 U	5.5 U	6.2 U
4-Methyl-2-Pentanone (Methyl lsobutyl Ketone)	µg/kg	5.9 U	5.4 U	6.3U	5.6 U	5.5 U	62 U
Acetone	µg/kg	24 U	21 U	25 U	23 U	22 U	25 U
Belll.ene	µg/kg	5.9 U	5.4 U	6.3U	5.6 U	5.5 U	6.2 U
Bromodichloromethane	µg/kg	5.9 U	5.4 U	6.3U	5.6U	5.5 U	6.2 U
Bromofom\	µg/kg	5.9U	5.4 U	6.3U	5.6 U	5.5 U	6.2 U
Bromomethane (Methyl Bromide)	µg/kg	5.9U	5.4 U	6.3U	5.6 U	5.5 U	6.2 U
Carbon disulfide	µg/kg	5.9 U	5.4 U	6.3U	5.6 U	s.s u	6.2 U
Carbon tetrachloride	µg/kg	5.9U	5.4 U	6.3 U	5.6 U	5.5U	6.2 U
<.'' hlorobelll.ene	µg/kg	5.9 U	5.4 U	6.3U	5.6 U	5.5U	6.2 U
Chloroethane	µg/kg	5.9 U	5.4 U	6.3U	5.6 U	5.S U	6.2 U
Chloroform (frichloromelhane)	µg/kg	5.9 U	5.4 U	6.3U	5.6U	1.2)	62 U
Chloromethane (Methyl Chloride)	µg/kg	5.9 U	5.4 U	6.3 U	5.6 U	5.5 U	6.2 U
cis-1,2-Dichloroethene	µg/kg	5.9U	5.4 U	6.3U	5.6 U	5.5 U	6.2 U
cis-1,3-Dichloropropene	µg/kg	5.9 U	5.4 U	6.3U	5.6 U	5.5 U	6.2 U
Cyclohexane	µg/kg	5.9U	5.4 U	6.3U	5.6 U	5.5 U	6.2 U
Dibromochloromcthane	µg/kg	5.9 U	5.4 U	6.3U	5.6 U	5.S U	6.2 U
Dichlorodifluoromcthane (CFC-12)	µg/kg	5.9 U	5.4 U	6.3 U	5.6 U	5.5 U	6.2 U
Ethylbelll.ene	1•g/kg	5.9 U	5.4 U	6.3U	5.6U	5.5U	6.2 U
Jsopropylbenzene	µg/kg	5.9U	5.4 U	6.3U	5.6 U	5.S U	6.2 U
Methyl acetate	µg/kg	5.9 U	5.4 U	6.3U	5.6 U	5.5 U	6.2 U

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TABLE 3A

ANALYI1CAL RESULTS SUMMARY· SOIL
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY· JUNE 2009

Location ID:	*BH-1*	BH-2	BH-3	*BH-4*	BH-6	*BH-7*		
Sample Name:	S-55833-051809-D0-001	S-55833-051809-D0-002	S-55833-051809-D0-003	*S-55833-051809-D0-004*	*S-55833-051909-D0-006*	*S-55833-051909-D0-007*		
Sample Dale:	*!¥1009*	*!¥1009*	*!¥1009*	*!¥1009*	.'VJ!l/.!009	*!¥19/.1009*		
Depth:	0-6/t *BGS*	*0-6ft BGS*	*0-Bft BGS*	*0-8/t BGS*	*0-8/t BGS*	*0-6ft BGS*		
Parameters	*Units*							
Volatile Orga11ic Compoumls (Cont'd.)								
Methyl cydohexane	µg/kg	5.9 U	5.4 U	6.3 u	5.6 U	5.5 U	6.2 U	
Methyl Terl Butyl Ether	µg/kg	5.9 U	5.4 u	6.3 u	5.6 U	5.5 U	6.2 U	
Methylene chloride	µg/kg	5.9 U	5.9 U	9.1u	5.6 U	5.S U	6-2 u	
Styrene	µg/kg	5.9 U	5.4 U	6.3 U	5.6 U	5.5 U	6.2 U	
Telrachloroethene	µg/kg	5.9 U	3.2J	6.3 u	5.6 U	5.5 U	6.2 U	
Toluene	µg/kg	5.9 U	5.4 u	6.3U	5.6 U	5-5 u	6.2 U	
trans-1,2-Dichloroethene	µg/kg	5.9 U	5.4 U	6.3 u	5.6 U	5.S U	6.2 U	
trans-1,3-Dichloropropene	µg/kg	5.9 U	5.4 U	6.3 u	5.6 U	5-5 u	6.2 U	
Trichloroethene	µg/kg	5.9 U	5.4 U	82	5.6 U	5.4)	1.4J	
Trichlorofluoromelhane (CFC-11)	µg/kg	5.9 U	5.4 U	6.3U	5.6 U	5.5 U	6.2 U	
Trifluorotrichloroethane (Freon 113)	µg/kg	5.9 U	5.4 U	6.3 u	5.6 U	5.5 U	6-2 u	
Vinyl chloride	µg/kg	5.9 U	5.4 U	6.3 U	5.6 U	5-5 u	6-2 U	
Xylene (total)	µg/kg	18 U	16U	19U	17U	17U	18 U	
Semi-volatile Orga11ic Compou11ds								
2,2'-oxybis(l-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/kg	160 U	280 U	170 U	1SO U	1800 U	83 U	
2,4,5-Trichlorophenol	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 U	
2,4,ii-Trichlorophenol	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 U	
2,4--Dichlorophenol	µg/kg	160 U	280 U	170 U	1SO U	1800 U	83 U	
2,4-Dimethylphenol	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 U	
2,4-Dinilrophenol	µg/kg	4000 U	7200 U	4300 U	3800 U	46000 U	2100 U	
2,4-Dinitrololuene	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 U	
2,f>.Dinilrololuene	µg/kg	780 U	1400 u	830 U	740 U	9000 U	410 U	
2-Chloronaphthalene	µg/kg	160 U	280 U	170 U	1SO U	1800 U	83 U	
2-Chlorophenol	µg/kg	780 U	1400 U	830 U	740 U	9000 u	410 U	
2-Methylnaphthalene	µg/kg	73J	210)	55)	1SO U	870)	83 U	
2-Methylphenol	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 U	
2-Nilroaniline	µg/kg	4000 U	7200 U	4300 U	3800 U	46000 u	2100 U	
2-Nitrophenol	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 U	
3,3'-l)ichlorob.?nzidinc	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 U	
3-Nitroanilinc	µg/kg	4000 U	7200 U	4300 U	3800 U	46000 u	2100 U	
4,6-l)initro-2-methylphenol	µg/kg	4000 U	7200 U	4300 U	3800 U	46000 u	2100 U	
4-	Bromophcnyl	phenyl ether	µg/kg	780 U	1400 U	830 U	740 U	9000 U 410 U
4-Chlorn-3--methylphenol	µg/kg	780 U	1400 U	830 U	740 U	9000 u	410 U	

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TABLE 3A

ANALYTICAL RESULTS SUMMARY - SOIL
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

Location ID:	*BH-1*	*BH-2*	BH-3	*BH-4*	*BH-6*	*BH-7*
Sample Name:	*S-55833-051809-D0-001*	*S-55833-051809-D0-002*	*S-55833-051809-D0-003*	*S-55833-051809-D0-004*	*S-55833-051909-D0-006*	*S-55833-051909-D0-007*
Sample Date:	*4"14/.2009*	*$".14/.2009*	*4"14/.2009*	*$".l&l.l009*	4".llll2009	*$".l!ll2009*
Depth:	*0-6ft HGS*	*0-6ft BGS*	*0-Bft BGS*	*0-Bft BGS*	*0-Sft BGS*	*0-6ft BGS*
Paranieters	*Units*					
Semi-volatile Organic Compow1ds (Cont'd.)						
4-0lloroanilin"	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 U
4-Chlorophenyl phenyl ether	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 U
4-Methylphenol	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 U
4-Nitroaniline	µg/kg	4000 U	7200 U	4300 U	3800 U	46000 U	2100 U
4-Nitrophenol	µg/kg	4000 U	7200 U	4300 U	3800 U	46000 U	2100 U
Acenaphthene	µg/kg	150J	270J	120J	150 U	3200	83 U
Acenaphthylene	µg/kg	520	280 U	58J	150 U	610J	83U
Acetophenone	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 U
Anthracene	µg/kg	1000	390	280	33J	7900	19J
Atrazine	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 U
llenzaldehyde	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 U
Benw(a)anthracene	µg/kg	3500	1700	1100	280	23000	76J
Benzo(a)pyrene	µg/kg	3100	1500	950	320	20000	74J
Benzo(b)fluoranthene	µg/kg	4600	2800	1600	520	33000	140
Benw(g,h,i)perylene	µg/kg	1500	1500	640	270	11000	59J
Benzo(k)fluoranthene	µg/kg	160 U	280 U	170 U	150 U	1800 U	83 U
Biphenyl (1,1-Biphenyl)	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 U
bis(2-Chloroethoxy)methane	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 U
bis(2-Chloroethyl)ether	µg/kg	160 U	280 U	170 U	150 U	1800 U	83 U
bis(2-Ethylhexyl)phthalate	µg/kg	610J	480J	340J	240J	9000 U	130J
Butyl benzylphthalate	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 U
Caprolactam	µg/kg	4000 U	7200 U	4300 U	3800 U	46000 U	2100 U
Carbazole	µg/kg	170	370	160J	31J	4700	83 U
Otrysene	µg/kg	3500	2200	980	270	22000	93
Dibenz(a.h)anthracene	µg/kg	480	340	180	77J	3500	21 J
Dibenwfuran	µg/kg	180J	170J	85J	740 U	2700J	410 U
Diethyl phthalate	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 U
Dimethyl phthalate	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 U
Di-n-butylphthalate	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 U
Di-n-octyl phthalate	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 U
Fluoranthenc	µg/kg	7500	4700	2000	430	52000	130
Fluorene	µg/kg	380	200J	110J	150 U	3400	83U
Hexachlornbell2'.ene	µg/kg	160 U	280 U	170 U	ISO U	ISOO U	83 U
Hexachlorobutadiene	µg/kg	160 U	280 U	170 U	ISO U	1800 U	83 U
Hexachlorocyclopentadiene	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 u

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TABLE 3A

ANALYTICAL RESULTS SUMMARY - SOIL
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

	Location IO:	*BH-1*	BH-2	*BH-3*	*BH-4*	*BH-6*	*BH-7*
	Sample Name:	S-55833-051809-00-001	S-55833-051809-D0-002	*S-55833-051809-D0-003*	*S-55833-051809-D0-004*	*S-55833-051909-D0-006*	S-55833-051909-D0-007
	Sample Date:	!Vla.-:?009	*!Vla.-:?009*	.'Vla.-:?009	.'Vla.-:?009	*til19/.W09*	*!Vlo/2009*
	Depth:	*0-6/t BGS*	*0-6/t BGS*	*0-Bft BGS*	*0-Sft BGS*	*0-Bft BGS*	*0-6/t BGS*
Parameters	*Units*						
Semi-volatile Orga11ic Compowuis (Cont'd.)							
Hexachloroethane	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 U
lndeno(l,2,3-cd)pyrene	µg/kg	1500	1200	600	220	11000	32J
lsophorone	µg/kg	780 U	1400 U	830 U	740 U	9000 U	410 U
Naphthalene	µg/kg	190	53J	65J	150 U	1300J	83 U
Nitrobenzene	µg/kg	160 U	280 U	170 U	150 U	1800 U	83 U
N-Nitr060di-n-propylamine	µg/kg	160 U	280 U	170 U	150 U	1800 U	83 U
N-Nitrosodiphenylamine	µg/kg	160 U	280 U	170 U	1500	18000	83 U
Pentachlorophcnol	µg/kg	780 U	1400 U	830 U	7400	9000 U	410 U
Phenanthrene	µg/kg	4800	2600	1400	170	39000	81J
Phenol	µg/kg	160 U	2800	170U	150 U	18000	83U
Pyrene	µg/kg	6700	3600	1700	400	39000	100
Metals							
Aluminum	mg/kg	12200J	8590}	8810J	9270J	2850 J	11300J
Antimony	mg/kg	2.7J	0.23J	0.78J	1.10	0.241	0.31J
Arsenic	mg/kg	11.8	3.3	9.6	2.5	1.8	3.7
Barium	mg/kg	346	56.4	208	74.7	19.6J	94.1
Beryllium	mg/kg	1.1J	0.66J	0.69J	0.57}	0.28J	0.73)
Cadmium	mg/kg	4.7}	0.15}	0.65	0.15}	0.16J	0.19}
Calcium	mg/kg	28500}	115000}	20300}	10300J	101000}	9820J
Chromium	mg/kg	25.5J	11.4	16.1	11.9	6.5	15.7
Cobalt	mg/kg	9.8	3.8J	7.1	6.3	2.1 J	7.7
Copper	mg/kg	98.3	60.5	76.0	16.4	10.7	18.9
Iron	mg/kg	63600	11600	16600	14900	7130	20600
Lead	mg/kg	558	24.3	762	29.1	17.6	62.5
Magnesium	mg/kg	7760J	10000	6110	4500	26900	4950
Manganese	mg/kg	657	384	466	599	283	508
Mercury	mg/kg	0.27	0.035 U	0.053	0.26	0.012J	1.5
Nickel	mg/kg	24.6	12.1	17.4	12.0	5.5	13.8
Potassium	mg/kg	1800)	1860	1400	1270	673	1670
Selenium	mg/kg	0.81 J	0.54 U	0.80	0.560	0.550	0.29 J
Silwr	mg/kg	0.50}	0.088J	0.38)	0.12J	0.55 U	0.14 J
Sodium	mg/kg	111J	431J	517J	350)	156)	257)
Thallium	mg/kg	2.40	1.1U	1.30	1.1U	1.1U	1.2U

TABLE 3A

ANALYTICAL RESULTS SUMMARY - SOIL
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

Parameters	Units	Location ID: BH-1 Sample Name: S-55833-051809-D0-001 Sample Date: tVllV.2009 Depth: 0-6/t BGS	BH-2 S-55833-051809-D0-002 tVllV.2009 0-6ft BGS	BH-3 S-55833-051809-D0-003 tV'llV.2009 0-8ft BGS	BH-4 5-55833-051809-D0-004 tVllV.2009 0-Bft BGS	BH-6 S-55833-051909-D0-006 !Vl!ll2009 0-Bft BGS	BH-7 S-55833-051909-D0-007 !Vl!ll2009 0-6ft BGS
Metals (Co11t'd.)							
Vanadium	mg/kg	26.9	18.2	20.9	19.7	8.9	25.3
Zinc	mg/kg	16701	57.4J	254J	74.9J	61.3J	75.6J
PCBs							
Aroclor-1016 (PCB-1016)	µg/kg	20 U	18U	21 u	19 U	18 U	21 u
Arodor-1221 (PCB-1221)	µg/kg	20 U	18 U	21u	19 U	18 U	21u
Aroclor-1232 (PCB-1232)	µg/kg	20 U	18U	21u	19 U	18 U	21u
Aroclor-1242 (PCB-1242)	µg/kg	20 U	18U	21u	19 U	18 U	21U
Aroclor-1248 (PCB-1248)	µg/kg	20 U	18 U	21u	19 U	18 U	21u
Aroclor-1254 (PCB-1254)	µg/kg	20 U	18 U	21u	19 U	18 U	21u
Aroclor-1260 (PCB-1260)	µg/kg	20 U	13J	21 u	19 U	18 U	21u
Total Petroleum Hydrocarbons (lPH)							
Total Petroleum Hydrocarbons - extractable (ORO)	mg/kg	980	330	54	llO UJ	640	40
Total Petroleum Hydrocarbons - purgeable (GRO)	µg/kg	120 U	53J	220	llO U	46J	36J
Wet Chemistry							
Total Solids	%	84.5	93.1	79.6	88.6	90.8	81.1

TABLE 3A

ANALYfICAL RESULTS SUMMARY - SOIL
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

Location ID:	*BH-8*	*BH-9*	*BH-10*	BH-11	*BH-12*	*BH-12*
Sample Name:	*S-55833-051909-D0-008*	S-55833-051909-D0-009	*S-55833-051909-D0-010*	*S-55833-051909-DO-Ol 1*	*S-55833-051909-D0-012*	*S-55833-052009-D0-013*
Sample Date:	S/.!!V.!009	S/.!!V.!009	S/.!!V.!009	*S/l!V.1009*	S/.!!V.!009	*.VZIV2009*
Depth:	*0-6ft BGS*	*0-6ft BGS*	*0-6ft BGS*	*0-6ft BGS*	1-5/t *BGS*	*13.5-15.5 ft BGS*

Par11meters	U11its						
Volatile Orga11U: *Compoimds*							
1,1,1-Trichloroethane 1,1,2,2-	µg/kg	5.5 u	5.9 U	1.9J	8.5	6.2 U	6.9
Tetrachloroethane	µg/kg	5.5U	5.9 U	5.5 U	5.8U	6.2 U	5.7 U
1,1,2-Trichloroethane	µg/kg	5.5 U	5.9 U	5.5 U	5.S U	6.2 U	5.7 U
1,1-Dichloroethane	µg/kg	5.5 U	5.9 U	5.5U	5.8 U	6.2 U	0.87J
1,1-Dichloroethene	µg/kg	5.5U	5.9 U	5.S U	5.8 U	6.2 U	5.7 U
1,2,4-Trichloroberu:ene	µg/kg	5.5 U	5.9 U	5.5U	5.8U	6.2 U	5.7 U
l,2-Dibromo-3-chloropropane (DBCP)	µg/kg	5.S U	5.9 U	5.5 U	5.8 U	6.2 U	5.7 U
1,2-Dibromoethane (Ethylene Dibromide)	µg/kg	5.5 U	5.9 U	5.5U	5.8 u	6.2 U	5.7 U
1,2-Dichlorobenzene	µg/kg	5.5U	5.9 U	5.5 U	5.S U	6.2 U	5.7 U
1,2-Dichloroethane	µg/kg	5.5U	5.9 U	5.5 U	5.8 u	6.2 U	5.7 U
1,2-Dichloropropane	µg/kg	5.5 U	5.9 U	5.5U	5.B U	6.2 U	5.7 U
1,3-Dichlorobenzene	µg/kg	5.5 U	5.9 U	5.5U	5.B U	6.2 U	5.7 U
1,4-Dichlorobenzene	µg/kg	5.5 U	5.9 U	5.5U	5.B U	6.2 U	5.7 U
2-Butanone (Methyl Ethyl Ketone) 2-	µg/kg	5.5 U	5.9 U	5.5U	5.S U	6.2 U	5.7 U
Hexanone	µg/kg	5.5 U	5.9 U	5.5 U	5.B U	6.2 U	5.7 U
4-Methyl-2-Pentanone (Methyl lsobutyl Ketone)	µg/kg	5.5 U	5.9 U	5.5 u	5.8 u	6.2 U	5.7 U
Acetone	µg/kg	22 U	24 U	9.7J	38	25 U	23 U
Benzene	µg/kg	5.5U	5.9 U	5.5 U	5.B U	6.2 U	5.7U
Bromodichloromethane	µg/kg	5.5 U	5.9 U	5.5 U	5.8 U	6.2 U	5.7 U
Bromoform	µg/kg	5.5 U	5.9 U	5.5 U	5.8 U	6.2 U	5.7 U
Bromomethane (Methyl Bromide)	µg/kg	5.5 U	5.9 U	5.5U	5.8u	6.2 u	5.7 U
Carbon disulfide	µg/kg	5.5 U	5.9 U	5.5 U	5.8 u	6.2 U	5.7 U
Carbon tetrachloride	µg/kg	5.5 U	5.9 U	5.5U	5.B U	6.2 U	5.7U
Chlorobenzene	µg/kg	5.S U	5.9 U	5.S U	5.B U	6.2 U	5.7 U
Chloroethane	µg/kg	5.5 U	5.9 U	5.5 U	5.8 u	6.2 u	5.7 U
Chloroform (Trichloromethane)	µg/kg	5.5 U	5.9 U	5.5 U	5.B U	6.2 U	5.7 U
Chloromethane (Methyl Olloride)	µg/kg	5.5 U	5.9 U	5.5 u	5.B U	6.2 U	5.7U
cis-1,2-Dichloroethene	µg/kg	5.5 U	5.9 U	5.5 U	5.B U	6.2 u	5.7 U
cis-1,3-Dichloropropene	µg/kg	5.5 U	5.9 U	5.5U	5.8 U	6.2 u	5.7U
Cydohcxanc	µg/kg	5.5U	5.9 U	5.5 u	5.8 u	6.2 u	5.7 U
Dibromochloromethane	µg/kg	5.S U	5.9 U	5.S U	5.8 U	6.2 U	5.7 U
Dichlorodifluoromethane (CFC-12)	µg/kg	5.5U	5.9 U	5.5 U	5.B U	6.2 U	5.7 U
Ethylbenzene	µg/kg	5.5 U	5.9 U	5.5 U	5.8 u	6.2 u	S.7U
lsopropybenzene	µg/kg	5.5 u	5.9 U	5.5 U	5.8 U	&.2 U	5.7 U
Methyl acetate	µg/kg	5.5 U	5.9 U	5.5 U	5.8 U	6.2 U	5.7 U

TABLE 3A

ANALYTICAL RESULTS SUMMARY - SOIL
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

Location JD:	BH-8	BH-9	BH-10	BH-11	BH-12	BH-12
Sample Name:	S-55833-051909-D0-008	S-55833-051909-D0-009	S-55833-051909-D0-010	S-55833-051909-D0-011	S-55833-051909-D0-012	S-55833-052009-D0-013
Sample Date:	$"1!Vl009	$"1!Vl009	$"1!Vl009	$"1!Vl009	$"1!Vl009	1Vl009
Depth:	0-6ft BGS	0-6/t BGS	0-6/t BGS	0-6ft BGS	1-5/t BGS	13.5-15.5ft BGS

P<mnneters	Units						
Volatile Organic Compounds (Cont'd.)							
Methyl cyclohexane	µg/kg	s.s u	5.9 U	5.5U	5.8 u	6.2 U	5.7 U
Methyl Tert Butyl Ether	µg/kg	s.s u	5.9 U	s.s u	5.8 U	6.2 u	5.7 U
Methylene chloride	µg/kg	5.5 U	5.9 U	5.5U	5.8 u	6.2 U	5.7 U
Styrene	µg/kg	5.5 u	5.9 U	5.5 U	5.8 u	6.2 U	5.7 U
Tetrachloroethene	µg/kg	5.5 U	5.9 U	5.5 U	5.8 U	6.2 U	5.7 U
Toluene	µg/kg	5.5 U	5.9U	5.5 U	5.8 U	6.2 u	5.7 U
trans-1,2-Dichloroethene	µg/kg	5.5 u	5.9 U	5.5 U	5.8 U	6.2 U	5.7 U
trans-1,3-Dichloropropene	µg/kg	5.5 U	5.9 U	5.5 u	5.8 U	6.2 U	5.7 U
Trichloroethene	µg/kg	5.5 u	5.9 U	4.1 J	3.1 J	6.2 U	14
Trichlorofluoromethane (CFC-11)	µg/kg	5.S U	5.9 U	5.S U	5.8 U	6.2 U	5.7 U
Trifluorotrichloroethane (Freon 113)	µg/kg	5.S U	5.9 U	5.5U	5.8 u	6.2 U	5.7 U
Vinyl chloride	µg/kg	5.5 U	5.9U	5.5U	5.8 U	6.2 U	5.7 U
Xylene (total)	µg/kg	16 U	18 U	16 U	18 U	19 U	17U
Semi-volatile Organic Compounds							
2.2'-oxybis(l-Chloropropane) (bis(2<hloroisopropyl) ether)	µg/kg	290 U	160 U	noo u	230 U	83 U	76 U
2,4,5-Trichlorophenol	µg/kg	t400 U	780 U	5400 U	1200 U	410 U	380 U
2,4,6-Trichlorophenol	µg/kg	1400 U	780 U	5400 U	1200 U	410 U	380 U
2,4-Dichlorophenol	µg/kg	290 U	160 U	llOO U	230 U	83U	76 U
2,4-Dimethylphenol	µg/kg	1400 U	780 U	5400 U	1200 U	410 U	380 U
2,4-Dinitrophcnol	µg/kg	7400 U	4000 U	28000 U	6000 U	2100 U	1900 U
2,4-Dinitrotoluene	µg/kg	1400 U	780 U	5400 U	1200 U	410 U	380 U
2,b-Dinitrotoluene	µg/kg	1400 U	780 U	5400 U	1200 U	410 U	380 U
2-0lloronaphthafone	µg/kg	290 U	160 U	uoo u	230 U	83 U	76 U
2-0llorophenol	µg/kg	1400 U	780 U	5400 U	1200 U	410 U	380 U
2-Methylnaphthalene	µg/kg	170J	280	noo u	780	86	130
2-Methylphenol	µg/kg	1400 U	780 U	5400 U	1200 U	410 U	380 U
2-Nitroaniline	µg/kg	7400 U	4000 U	28000 U	6000 U	2100 U	1900 U
2-Nitrnphenol	µg/kg	1400 U	780 U	5400 U	1200 U	410 U	380 U
3,3'-Dichlorobenzidine	µg/kg	1400 U	780 U	5400 U	1200 U	410 U	380 U
3-Nitroaniline	µg/kg	7400 U	4000 U	28000 U	6000 U	2100 U	1900 U
4,6-Dinitro-2-methylphenol	µg/kg	7400 U	4000 U	28000 u	6000 U	2100 u	1900 U
4-Bromophenyl phenyl ether	µg/kg	1400 U	780 U	5400 U	1200 u	410 U	380 U
4-Chloro-3-methylphenol	µg/kg	1400 U	780 U	5400 U	1200 U	410 U	380 U

TABLE 3A

ANALYfICAL RESULTS SUMMARY - SOIL
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

TABLE 3A

ANALYflCAL RESULTS SUMMARY - SOIL
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

	Location IO:	BH-8	BH-9	BH-10	BH-11	BH-12	BH-12
	Sample Name:	S-55833-051909-D0-008	S-55833-051909-D0-009	S-55833-051909-D0-010	S-55833-051909-00-011	S-55833-051909-D0-012	S-55833-052009-D0-013
	Sample Date:	&11$"2009	&ll!Vl009	&ll!Vl009	&fl!Vl009	&fl!Vl009	IV2009
	Depth:	0-6ft BGS	0-6ft BGS	0-6ft BGS	0-6/t BGS	1-5ft BGS	13.5-15.5ft BGS
Parameters	*Units*						
Semi-volatile Organic Compounds (Cont'd.)							
Hexachloroothane	µg/kg	1400 U	780 U	5400 U	1200 U	410 U	380 U
lndeno(l,2.3<d)pyrene	µg/kg	2300	2000	2100	1800	240	76 U
lsophorone	µg/kg	1400 U	780 U	5400 U	1200 U	410 U	380 U
Naphthalene	µg/kg	330	290	n00 u	1700	110	76 U
Nitrobenzene	µg/kg	290 U	160 U	llOO U	230 U	83U	76 U
N-Nitrosodi-n-propylamine	µg/kg	290 U	160 U	llOO U	230 U	83U	76 U
N-Nitrosodiphenylamine	µg/kg	290 U	160 U	llOO U	230 U	83 U	76 U
Pentachlorophenol	µg/kg	1400 U	780 U	5400 U	1200 U	410 U	380 U
Phenanthrene	µg/kg	6300	8300	5400	14000	1700	100
Phenol	µg/kg	290 U	160 U	llOO U	llO J	83 U	76 U
Pyrene	µg/kg	5600	6400	6300	5900	1100	76 U
Metals							
Aluminum	mg/kg	3250J	8530]	6370J	5770J	5570 J	7820]
Antimony	mg/kg	0.18J	0.75]	1.9	0.51)	0.36J	1.1 U
Arsenic	mg/kg	3.1	5.7	6.1	6.5	4.5	2.1
Barium	mg/kg	51.0	105	86.3	165	159	75.5
Beryllium	mg/kg	0.39J	0.55]	0.57]	0.39J	0.36J	0.49J
Cadmium	mg/kg	0.29J	0.44J	0.45J	0.71	0.28J	0.11)
Calcium	mg/kg	119000}	62800J	56900]	65700J	97500J	62500}
Orromium	mg/kg	77	13.9	15.3	14.8	30.4	16.4
Cob.llt	mg/kg	1.8J	5.2]	4.3J	5.4J	137	5.5J
Copper	mg/kg	25.0	42.4	31.3	647	47.2	16.2
Iron	mg/kg	4800	15500	17500	13700	17200	14500
Lead	mg/kg	28.3	117	175	78.6	1180	17.5
Magnesium	mg/kg	8760	14300	11500	14800	31300	24700
Manganese	mg/kg	188	386	384	347	348	371
Men.""Ury	mg/kg	0.072	0.38	0.21	10.4	0.29 J	0.018J
Nickel	mg/kg	6.8	13.5	12.7	40.9	10.6	13.4
Potassium	mg/kg	873	1680	1110	1060	1370	2180
Selenium	mg/kg	0.55 U	0.59 U	0.SS u	0.58 u	0.62 U	0.57 U
Silver	mg/kg	0.SSu	0.19J	0.19]	0.23J	024)	0.13J
Sodium	mg/kg	282]	288]	217J	309J	456 J	183J
Thallium	mg/kg	1.1 U	1.2U	1.1 U	1.2 u	1.2U	1.1 u

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TABLE 3A

ANALYfICAL RESULTS SUMMARY - SOIL
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

	Location ID:	*BH-8*	*BH-9*	*BH-10*	*BH-11*	*BH-12*	*BH-12*
	Sample Name:	S-.5!i833-051909-D0-008	*S-55833-051909-D0-009*	*S-55833-051909-D0-010*	*S-55833-051909-D0-011*	*S-55833-051909-D0-012*	*S-55833-052009-D0-013*
	Sample Date:	Vlo/2009	Vlo/2009	Vlo/2009	Vlo/2009	*Vlo/2009*	*:v'llV2009*
	Depth:	*0-6/t BGS*	*0-6/t BGS*	*0-6ft BGS*	*0·6ft BGS*	*1-5/t BGS*	*13.5-15.5ft BGS*
Parameters	*Units*						
Metals (Cont'd.)							
Vanadium	mg/kg	9.3	18.6	15.7	15.1	13.9	20.3
Zinc	mg/kg	53.0J	155J	179}	276}	173J	58.4J
PCBs							
Arodor-1016 (PCB-1016)	µg/kg	18U	20 U	18U	19 U	21U	19 U
Aroclor-1221 (PCB-1221)	µg/kg	18U	20 U	18U	19U	21U	19 U
Aroclor-1232 (PCl>-1232)	µg/kg	18U	20 U	18 U	19U	21 U	19 U
Arodor-124'.! (PCB-1242)	µg/kg	18U	20 U	18 U	19 U	21U	19 U
Aroclor-1248 (PCB-1248)	µg/kg	18U	20 U	18 U	19 U	21U	19 U
Arodor-1254 (PCB-1254)	µg/kg	65	110	18U	68	21 U	19 U
Aroclor-1260 (PCB-1260)	µg/kg	58	63	59	46	21U	19 U
Total Petroleum Hydrocarbons (TPH)							
Total Petroleum Hydrocarbons - extractable (ORO)	mg/kg	300 U	3200	3000 U	3800	1800	2400
Total Petroleum Hydrocarbons - purgeable (GRO)	µg/kg	53J	35J	54J	77}	110}	120
Wet Chemistry							
Total Solids	%	915	84.6	91.0	85.7	80.3	87.8

TABLE 3A

ANALYfICAL RESULTS SUMMARY - SOIL
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

	L<ication ID:	*BH-12A*	BH-12B	BH-12C	*BH-12D*	*BH-12E*	*BH-13*
	Sample Name:	*S-5583l-060409-JR-015*	*S-55833-0604ll9-JR-016*	*S-55833-060409-JR-017*	*S-55833-060409-JR-018*	*S-55833-1160509-JR-019*	*S-55833-052009-D0-014*
	Sample Date:	Q/412009	Q/'"2009	Q/412009	1¥412009	Ij!!V2009	*!VllV.1009*
	Depth:	*7-9ft BGS*	*7-9ft BGS*	*9-11/t BGS*	*7-9ft BGS*	13-15/t*BGS*	*0.5-4ft BGS*
Parameters	*Units*						
Volatile Organic Compouruls							
1,1,1-Trichloroethane	µg/kg	6.1 U	5.7 U	1.2J	5.6 U	I.SJ	13
1,l,2,2Tetrachloroethane 1,1,2-	µg/kg	6.1U	5.7 U	5.6 U	5.6U	5.7 U	5.2U
Trichloroethane	µg/kg	6.l U	5.7 U	5.6 U	5.6 U	5.7U	5.2 U
1,1-Dichloroethane	µg/kg	6.1U	5.7 U	5.6 U	5.6 U	6.5	5.2 U
1,1-Dichloroethene 1,2,4-	µg/kg	6.1U	5.7 U	5.6 U	5.6 U	2.2J	1.5J
Trichlorobenzene	µg/kg	6.1U	5.7U	5.6 U	5.6 U	5.7U	5.2 U
1,2-Dibron'l0-3-chloropropane (DBCP)	µg/kg	6.1 U	5.7 U	5.6 U	5.6 U	5.7 U	5.2 U
1,2-Dibromoethane (Ethylene Dibromide) 1,2-	µg/kg	6.1U	5.7 U	5.6 U	5.6 U	5.7 U	5.2 U
Dichlorobenzene	µg/kg	6.1U	5.7 U	5.6 U	5.6U	5.7 U	5.2 U
1,2-Dichloroethane 1,2-	µg/kg	6.1 U	5.7 U	5.6 U	5.6U	5.7 U	5.2 U
Dichloropropane 1,3-	µg/kg	6.1U	5.7 U	S.6 U	5.6U	5.7 U	5.2 U
Dichlorobenzene 1,4-	µg/kg	6.1U	*S.7U*	5.6U	S.6 U	5.7U	5.2 U
Dichlorobenzene	µg/kg	6.1 U	5.7U	S.6 U	5.6U	5.7 U	5.2 U
2-Butanone (Methyl Ethyl Ketone)	µg/kg	1.2J	1.SJ	5.6 U	5.6 U	5.7U	5.2 U
2-Hexanone	µg/kg	6.1U	5.7 U	5.6 U	5.6U	5.7U	5.2 U
4-Methyl-2-Pentanone (Methyl lsobutyl Ketone)	µg/kg	6.1U	5.7 U	S.6 U	5.6U	5.7 U	5.2 U
Acetone	µg/kg	24	36	lOJ	26	23 U	21U
Bem.ene	µg/kg	6.1 U	*S.7 U*	S.6 U	5.6U	5.7 U	*52U*
Bromodichloromethane	µg/kg	6.1 U	5.7 U	S.6 U	5.6 U	5.7 U	5.2 U
Bromoform	µg/kg	6.1U	5.7 U	5.6U	S.6 U	5.7 U	5.2 U
Bromomethane (Methyl Bromide)	µg/kg	6.1U	5.7U	5.6 U	5.6 U	5.7 U	5.2 U
Carbon disulfide	µg/kg	6.1 U	S.7 U	5.6 U	5.6 U	5.7 U	5.2 U
Carbon tetrachloride	µg/kg	6.1 U	5.7 U	5.6U	5.6 U	5.7 U	*52 U*
Otlorobenzene	µg/kg	6.1U	S.7 U	S.6 U	5.6 U	5.7 U	5.2 U
Otloroethane	µg/kg	6.1 U	5.7 U	5.6 U	5.6 U	5.7 U	5.2 U
Otloroform (Trichloromethane)	µg/kg	6.1U	5.7 U	5.6 U	S.6 U	5.7 U	5.2 U
Chloromethane (Methyl Chloride) cis-1,2-	µg/kg	6.1 U	S.7 U	5.6 U	S.6 U	5.7 U	5.2 U
Dichloroethene	µg/kg	6.1 U	5.7 U	5.6 U	5.6 U	2.7)	6.0
cis-1,3-Dichloropropene	µg/kg	6.1 U	5.7 U	5.6 U	5.6 U	5.7 U	5.2 U
Cyclohcxant'	µg/kg	6.1U	5.7 U	5.6 U	5.6 U	5.7U	S.2 U
Dibromochloromcthane	µg/kg	6.1 U	5.7 U	5.6 U	5.6 U	5.7 U	5.2U
Dichlorodifluoromethane (CFC-12)	µg/kg	6.1 U	5.7 U	5.6 U	5.6 U	5.7 U	5.2 U
Ethylbenzcne	µg/kg	6.1U	5.7 U	5.6 U	5.6 U	5.7 U	5.2 U
lsopropylbenzene	µg/kg	6.1 U	5.7 U	5.6 U	5.6 U	5.7U	5.2 U
Methyl acetate	µg/kg	6.1 U	5.7 U	5.6 U	5.6 U	5.7U	5.2 U

TABLE 3A

ANALYfICAL RESULTS SUMMARY - SOIL
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

Location ID:	*BH-12A*	*BH-128*	*BH-12C*	BH-12D	*BH-12E*	*BH-13*
Sample Name:	*S-55833-060409-]R-015*	*S-55833-060409-/R-016*	*S-55833-060409-]R-017*	*S-55833-060409-/R-018*	*S-55833-060509-JR-019*	*S-55833-052009-D0-014*
Sample Date:	4/412009	4/412009	*4M12009*	*4/412009*	*4/511009*	*SlllV2009*
Depth:	*7-9/t BGS*	*7-9ft BGS*	*9-11/t BGS*	*7-9ft BGS*	*13-15/t BGS*	*0.5-4/tBGS*

Parameters	*Units*						
VolatileOrga11ic Co111pou11ds (Co11t'd.)							
Methyl cydohexane	µg/kg	6.1U	5.7U	5.6 U	5.6 U	5.7 U	5.2 U
Methyl Teri Butyl Ether	µg/kg	6.1U	5.7U	5.6 U	5.6 U	5.7 U	5.2 U
Methylene chloride	µg/kg	12 U	23	20	21	20	5.2 U
Styrene	µg/kg	6.1U	5.7 U	5.6 U	5.6 U	5.7 U	5.2 U
Tetrachloroethene	µg/kg	6.1U	5.7 U	5.6 U	5.6 U	5.7 U	5.6
Toluene	µg/kg	6.1U	1.5J	1.6)	12J	1.0J	5.2 U
trans-1,2-Dichloroethene	µg/kg	6.1U	5.7 U	5.6 U	5.6 U	5.7 U	5.2 U
trans-1,3-Dichloroprol'"ne	µg/kg	6.1U	5.7 U	5.6 U	5.6 U	5.7 U	5.2 U
Trichloroethene	µg/kg	6.1U	5.7 U	2.5 J	5.6 U	32	150
Trichlorofluoromethane (CFC-11)	µg/kg	6.1U	5.7 U	5.6 U	5.6 U	5.7 U	5.2 U
Tritluorotrichloroethan<> (Freon 113)	µg/kg	6.1U	5.7 U	5.6 U	5.6 U	5.7 U	5.2 U
Vinyl chloride	µg/kg	6.1U	5.7 U	5.6 U	5.6 U	5.7 U	5.2 U
Xylene (total)	µg/kg	18 U	17 U	17 U	17 U	17 U	16 U
Semi-volatile Org1111ic Compowuls							
2,2'-oxybis(l-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/kg	81U	76 U	75 U	74 U	76 U	140 U
2,4,5-Trichlorophenol	µg/kg	400 U	370 U	370 U	360 U	370 U	690 U
2,4,6-Trichlorophenol	µg/kg	400 U	370 U	370 U	360 U	370 U	690 U
2,4-Dichlorophenol	µg/kg	81U	76 U	75 U	74 U	76 U	140 U
2,4-Dimcthylphenol	µg/kg	400 U	370 U	370 U	360 U	370 U	690 U
2,4-Dinitrophenol	µg/kg	2100 U	1900 U	1900 U	1900 U	1900 U	3600 U
2,4-Dinitrotoluene	µg/kg	400 U	370 U	370 U	360 U	370 U	690 U
2,6-0initrololuene	µg/kg	400 U	370 U	370 U	360 U	370 U	690 U
2-Chloronaphthalene	µg/kg	81U	76 U	75 U	*74 U*	76 U	140 U
2-0tlorophenol	µg/kg	400 U	370 U	370 U	360 U	370 U	690 U
2-Methylnaphthalene	µg/kg	64J	84	75U	30J	76 U	140 U
2-Methylphenol	µg/kg	400 U	370 U	370 U	360 U	370 U	690 U
2-Nitroanilinc	µg/kg	2100 u	1900 U	1900 U	1900 U	1900 U	3600 U
2-Nitrophenol	µg/kg	400 U	370 U	370 U	360 U	370 U	690 U
3>'-Dichlorobenzidin	µg/kg	400 U	370 U	370 U	360 U	370 U	690 U
3-Nitroaniline	µg/kg	2100 U	1900 U	1900 U	1900 u	1900 u	3600 U
4,6-Dinitro-2-mcthylphenol	µg/kg	2100 U	1900 U	1900 U	1900 U	1900 U	3600 U
4-llromophenyl phenyl ether	µg/kg	400 U	370 U	370 U	360 U	370 U	690 U
4-Chloro-3-mt>thylphenol	µg/kg	400 U	370 U	370 U	360 U	370 U	690 U

TABLE 3A

ANALYfICAL RESULTS SUMMARY - SOIL
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

	Location ID:	BH-UA	BH-128	BH-12C	BH-12D	BH-12E	BH-13
	Sample Name:	s-55833-060409-JR-m5	S-55833-060409-]R-016	S-55833-060409-JR-m7	S-55833-060409-]R-018	S-55833-060509-]R-019	S-55833-052009-D0-014
	Sample Date:	IV"1009	IV"1009	IV"1009	&' 1009	61"¥.Z009	!Vl1Vl009
	Depth:	7-9/t BGS	7-9ft BGS	9-11/t BGS	7-9/t BGS	13-15/t BGS	0.5-4/t BGS
Pammeters	*Units*						
Semi-volatile Orga11ic Compounds CC011t'd.)							
4-Chloroaniline	µg/kg	400 U	370U	370U	360 U	370 U	690 U
4-Chlorophenyl phenyl ether	µg/kg	400 U	370 U	370U	360 U	370U	690 U
4-Methylphenol	µg/kg	400 U	370 U	370U	360 U	370 U	690 U
4-Nitroaniline	µg/kg	2100 U	1900 U	1900 U	1900 U	1900 U	3600 U
4-Nitrophenol	µg/kg	2100 U	1900 U	1900 u	1900 U	1900 U	3600 U
Acenaphthene	µg/kg	81U	76 U	75U	74U	76 U	140U
Acenaphthylene	µg/kg	81 u	76U	75 U	16)	76U	140U
Acetophenone	µg/kg	400 U	370U	370U	360 U	370U	690 U
Anthracene	µg/kg	81u	76 U	75U	35J	76 U	140U
Atrazine	µg/kg	400 U	3700	370U	360 U	370 U	690 U
Benzaldehyde	µg/kg	400 U	370U	370U	360 U	370U	690 U
Benzo(a)anthracene	µg/kg	81u	76U	75 U	74U	76 U	140 U
Benw(a)pyrene	µg/kg	81 u	76 U	75 U	49)	76U	140U
Benzo(b)fluoranthene	µg/kg	81 u	76 U	75 U	74U	76U	140 U
Benzo(g,h,i)perylene	µg/kg	81 u	76U	75 U	74 U	76 U	140 U
Benzo(k)fluoranthene	µg/kg	81u	76U	75 U	74 0	76 U	140 U
Biphenyl (1,1-Biphenyl)	µg/kg	4000	370U	370U	360 U	370 U	690 U
bis(2-Cllloroethoxy)methane	µg/kg	4000	370U	370U	360 U	370 U	690 U
bis(2-0tloroethyl)ether	µg/kg	81u	76U	75 U	74 U	76 U	140 U
bis(2-Ethylhexyl)phthalate	µg/kg	400 U	370U	370U	560	370U	690 U
Butyl benzylphthalate	µg/kg	400 U	370U	370U	360 U	370U	690 U
Caprolactam	µg/kg	83J	1900 U	1900 U	1900 U	1900 U	3600 U
Carbazole	µg/kg	81u	76 U	75 U	74U	76U	140 U
Cluysene	µg/kg	81 u	76U	75 U	74U	76 U	1400
Dibenz(a.h)anthract?ne	µg/kg	81u	76 U	75 U	74 U	76U	140 U
Dibenzofuran	µg/kg	400 U	370U	370U	360 U	370 U	690 U
Diethyl phthalate	µg/kg	400 U	370U	370U	360 U	370U	690 U
Dimethyl phthalate	µg/kg	400 U	370U	370U	360 U	370U	690 U
Di-n-butylphthalate	µg/kg	400 U	370U	370U	360 U	370U	6900
Di-n--0etyl phthalate	µg/kg	400 U	370U	370U	360 U	370U	690 U
Fluoranthcne	µg/kg	81 u	76 U	75 U	190	76U	140 U
Fluorene	µg/kg	81 U	19J	75 U	30)	76U	140 U
Hexachlorobenzene	µg/kg	81u	76 U	75 U	74 U	76 U	140 U
Hexachlorobutadiene	µg/kg	81 u	76U	75U	74 U	76 U	14() u
Hexachlorocyclopentadiene	µg/kg	4000	370 U	370U	360 U	370U	690 U

TABLE 3A

ANALYfICAL RESULTS SUMMARY - SOIL
PH.ASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY -JUNE 2009

	Location ID:	BH-12A	BH-128	BH-12C	BH-12D	BH-12E	BH-13
	Sample Name:	S-.55833-060409-JR-015	S-55833-060409-/R-016	S-55833-060409-JR-017	S-55833-060409-JR-018	S-55833-060509-JR-019	S-55833-052009-D0-014
	Sample Date:	IV4'2009	I\4'2009	Q/4'2009	Q/4'2009	fi/!Vl009	S/21Vl009
	Depth:	7-9ft BGS	7-9ft BGS	9-11/t BGS	7-9ft BGS	13-15/t BGS	0.5-4/t BGS
Parameters	*Units*						
Semi-volatile Organic Compounds (Co11t'd.)							
Hexachloroethane	µg/kg	4-00 U	370 U	370 U	360 U	370 U	690 U
lndeno(l,2,3-cd)pyrene	µg/kg	81 U	76 U	75 U	21J	76 U	140 U
lsophorone	µg/kg	400 U	370 U	370 U	360 U	370 U	690 U
Naphthalene	µg/kg	81 U	76 U	75 U	74 U	76 U	140 U
Nitrobenzene	µg/kg	81 U	76 U	75U	74 U	76 U	140 U
N-Nitrosodi-n-propylamine	µg/kg	81 U	76 U	75 U	74 U	76 U	140 U
N-Nitrosodiphenylamine	µg/kg	81 U	76 U	75 U	74 U	76 U	140 U
Pentachlorophenol	µg/kg	400U	370 U	370 U	360 U	370 U	690 U
Phtm..iltlucne	µg/kg	27J	48J	34J	160	76 U	140 U
Phenol	µg/kg	81 U	76 U	75U	74 U	76 U	140 U
Pyrene	µg/kg	81 U	76 U	75U	99	76 U	140 U
Metals							
Aluminum	mg/kg						2280)
Antimony	mg/kg						1.0 U
Arsenic	mg/kg						1.0
Barium	mg/kg						9.9 J
Beryllium	mg/kg						0.19J
Cadmium	mg/kg						O.lOJ
Calcium	mg/kg						38200J
Ouomium	mg/kg						5.7
Cobalt	mg/kg						1.7J
Copper	mg/kg						7.6
Iron	mg/kg						5400
Lead	mg/kg						9.1
Magncsiwn	mg/kg						22200
Manganese	mg/kg						131
Mercury	mg/kg						0.043
Nickel	mg/kg						5.0
Potassium	mg/kg						544
Selenium	mg/kg						0.52 U
Silver	mg/kg						0.52 U
Sodium	mg/kg						Y0.5 J
Thallium	mg/kg						I.O U

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TABLE 3A

ANALYfICAL RESULTS SUMMARY - SOIL
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

Parameters	Units	Location ID:	BH-12A	BH-12B	BH-12C	BH-12D	BH-12E	BH-13
		Sample Name:	S-55833-060409-/R-015	S-55833-0604-09-JR-016	S-55833-060409-JR-017	S-55833-060409-/R-018	S-55833-060509-JR-019	S-55833-052009-D0-014
		Sample Date:	&1412009	&1412009	&1412009	IY<Vl009	(il.'¥.Z009	!V21Vl009
		Depth:	7-9ft BGS	7-9ft BGS	9-11/t BGS	7-9ft BGS	13-15/t BGS	0.5-4/t BGS
Metals (Cont'd.)								
Vanadium	mg/kg		-	-	-	-	-	8.3
Zinc	mg/kg		-	-	-	-	-	50.8]
PCBs								
Arodor-1016 (PCB-1016)	µg/kg		-	-	-	-	-	17 U
Aroclor-1221 (l'CB-1221)	µg/kg		-	-	-	-	-	17 U
Arodor-1232 (PCB-1232)	µg/kg		-	-	-	-	-	17 U
Aroclor-1242 (PCB-1242)	µg/kg		-	-	-	-	-	17 U
Aroclor-1248 (PCB-1248)	µg/kg		-	-	-	-	-	17 U
Aroclor-1254 (PCB-1254)	µg/kg		-	-	-	-	-	17U
Aroclor-1260 (PCB-1260)	µg/kg		-	-	-	-	17U	
Total Petroleum Hydroairbons (TPH)								
Total Petroleum Hydrocarbons - extractable (ORO)	mg/kg		-	-	-	-	-	12000
Total Petroleum Hydrocarbons· pu.rgeable (GRO)	µg/kg		-	-	-	-	-	14000
Wet Chemistry								
Total Solids	%		82.5	88.2	89.4	89.8	88.1	95.7

TABLE 3A

ANALYfICAL RESULTS SUMMARY - SOIL
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

	Location ID:	BH-13A	BH-138	BH-13C	BH-13D	BH-13E
	Sample Name:	S-55833-060809-/R-020	S-55833-060909-/R-021	S-55833-060909-JR-022	S-55833-060909-/R-023	S-55833-061009-JR-024
	Sample Date:	009	6'w.2009	6'w.l009	6'w.2009	fY11V2009
	Depth:	14-16/t BGS	12-14ft BGS	6-Bft BGS	12-14/t BGS	12-14/t BGS
Parameters	*Units*					
Volatile Organic Compowuls						
1,1,1-Trichloroethane	µg/kg	1400}	2BO U	200}	61000	1400 U
1,1,2.2-Tetrachloroethane	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
1,1,2-Trichloroethane	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
1,1-Dichloroethane	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
1.1-Dichloroethene	µg/kg	2900 U	280 U	2801.J	6300	1400 U
1,2,4-Trichlorobenzene	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
l,2-Dibromo-3-chloropropane (DBCP)	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
1,2-Dibromoethane (Ethylene Dibromide)	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
1,2-Dichlorobenzene	µg/kg	2900 U	280 U	2801.J	1400 U	1400 U
1,2-Dichloroethane	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
1,2-Dichloropropane	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
1.3-Dichlorobenzene	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
1,4-Dichlorobenzene	µg/kg	2900 U	280 U	280 U	1400 U	14001.J
2-Butanone (Methyl Ethyl Ketone)	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
2-Hexanone	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/kg	29001.J	2801.J	2801.J	14001.J	1400 U
Acetone	µg/kg	120001.J	llOO U	11001.J	5700 U	5800 U
Benzene	µg/kg	29001.J	280 U	280 U	1400 U	1400 U
Bromodichloromethane	µg/kg	2900 U	2BO U	280 U	1400 U	1400 U
Bromoform	µg/kg	2900 U	280 U	280 U	1400 U	14001.J
Bromomethane (Methyl Bromide)	µg/kg	2900 U	2BO U	2801.J	14001.J	1400 U
Carbon disulfide	µg/kg	2900 U	280 U	2801.J	1400 U	1400 U
Carbon tetrachloride	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
Otlorobenzene	µg/kg	29001.J	280 U	280 U	1400 U	1400 U
Otloroethane	µg/kg	2900 U	280 U	2801.J	1400 U	1400 U
Otloroform (Trichloromethane)	µg/kg	29001.J	280 U	280 U	1400 U	1400 U
Otloromethane (Methyl Olloride)	µg/kg	2900 U	280 U	2801.J	1400 U	1400 U
cis-1,2-Dichloroethene	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
cis-1,3-Dichloropropene	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
Cyclohcxanc	µg/kg	2900 U	280 U	2801.J	1400 U	1400 U
Dibromochloromethane	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
Dichlorodifluoromethane (CFC-12)	µg/kg	2900 U	280 U	280 U	1400 U	14001.J
Ethylbenzene	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
lsopropylbenzene	µg/kg	2900 U	2801.J	280 U	1400 U	1400 U
Methyl acetate	µg/kg	2900 U	280 U	280 U	1400 U	1400 U

TABLE 3A

ANALYfICAL RESULTS SUMMARY -SOIL
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY -JUNE 2009

	Location ID:	BH-lM	*BH-138*	*BH-13C*	*BH-13D*	*BH-13E*
	Sample Name:	*S-55833-060809-fR-020*	*S-55833-060909-JR-021*	*S-55833-060909-JR-D22*	*S-55833-060909-JR-023*	*S-55833-061009-JR-024*
	Sample Date:	*Mll2009*	M¥2009	*M¥1009*	*M¥1009*	*Q/11Vl009*
	Depth:	*14.-16ft BGS*	*12-14ft BGS*	*6-Bft BGS*	*12-14/t BGS*	*12-14/t BGS*
Parameters	*Units*					
Volatile Org1uiic Compounds (Cont'd.)						
Methyl cyclohexane	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
Methyl Teri Butyl Ether	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
Methylene chloride	µg/kg	2900 U	280 U	89J	1400 U	370J
Styrene	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
Tetrachloroethene	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
Toluene	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
trans-1,2-Dichloroethene	µg/kg	2900 U	2BO U	280 U	1400 U	1400 U
trans-1.3-Dichloropropene	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
Trichloroethene	µg/kg	57000	4100	550	29000	43000
Trichlorofluoromethane (CFC-11)	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
Trifluorotrichloroethane (Freon 113)	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
Vinyl chloride	µg/kg	2900 U	280 U	280 U	1400 U	1400 U
Xylene (total)	µg/kg	8700 U	840 U	840 U	4300 U	4300 U
Semi-volatile Orga11ic Compounds						
2,2'-oxybis(l-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/kg	78 U	75 U	75 U	77 U	76 U
2,4,5-Trichlorophenol	µg/kg	380 U	370 U	370 U	380 U	380 U
2,4,6-Trichlorophenol	µg/kg	380 U	370 U	370 U	380 U	380 U
2,4-Dichlorophenol	µg/kg	78 U	75 U	75 U	77 U	76 U
2,4-Dimethylphenol	µg/kg	380 U	370 U	370 U	380 U	380 U
2,4-Dinitrophenol	µg/kg	2000 U	1900 U	1900 U	1900 U	1900 U
2,4-Dinitrotoluene	µg/kg	380 U	370 U	370 U	380 U	380 U
2,6-Dinitrotoluene	µg/kg	380 U	370 U	370 U	380 U	380 U
2-Chloronaphthalene	µg/kg	78 U	7SU	75 U	77 U	76 U
2-Chlorophenol	µg/kg	380 U	370 U	370 U	380 U	380 U
2-Methylnaphthalene	µg/kg	110	47J	75 U	30J	42 J
2-Methylphenol	µg/kg	380 U	370 U	370 U	380 U	380 U
2-Nitroaniline	µg/kg	2000 U	1900 U	1900 U	1900 U	1900 U
2-Nitrophenol	µg/kg	380 U	370 U	370 U	380 U	380 U
3,3'-Dichlorobenzidine	µg/kg	380 U	370 U	370 U	380 U	380 U
3-Nitroaniline	µg/kg	2000 U	1900 U	1900 U	1900 U	1900 U
4,b-Dinitro-2-methylphenol	µg/kg	2000 U	1900 U	1900 U	1900 U	1900 U
4-Bromophenyl phenyl ether	µg/kg	380 U	370 U	370 U	380 U	380 U
4-Chloro-3-methylphenol	µg/kg	380 U	370 U	370 U	380 U	380 U

TABLE 3A

ANALYfICAL RESULTS SUMMARY - SOIL
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

Location ID:	BH 1M	BH 13B	BH-13C	BH-13D	*BH-13E*
Sample Name:	*S-55833-060809-JR-020*	*S-55833-060909-JR-021*	*S-55833-060909-JR-022*	*S-55833-060909-JR-023*	*S-55833-061009-JR-024*
Sample Date:	009	6'o/.2009	6'o/.2009	6'o/.2009	Q/2009
Depth:	14-16*ft BGS*	*U-14/t BGS*	*6-8ft BGS*	*12-14ft BGS*	*12-14ft BGS*

Parameters	*U11its*					
Semi-volatile Orga11ic Compormds (Co11t'd.)						
4-0tloroaniline	µg/kg	380 U	370 U	370 U	380 U	380 U
4-0tlorophenyl phenyl ether	µg/kg	380 U	370 U	370 U	380 U	380 U
4-Methylphenol	µg/kg	380 U	370 U	370 ti	380 U	380 U
4-Nitroaniline	µg/kg	2000 U	1900 U	1900 U	1900 U	1900 U
4-Nitrophenol	µg/kg	2000 U	1900 U	1900 U	1900 U	1900 U
Acenaphthene	µg/kg	*78* U	75 U	75 U	*77* U	76 U
Acenaphthylene	µg/kg	*78* U	75 U	75 U	*77* U	76 U
Acetophenone	µg/kg	380 U	370 U	370 U	380 U	380 U
Anthracene	µg/kg	78 U	75 U	75 U	*77* U	76 U
Atrazine	µg/kg	380 U	370 U	370 U	380 U	380 U
Benzaldehyde	µg/kg	380 U	370 U	370 U	380 U	380 U
Benzo(a)anthracene	µg/kg	78 U	75 U	75 U	*77* U	76 U
Benzo(a)pyrene	µg/kg	78 U	75 U	75 U	*77* U	*76* U
Benzo(b)tluoranthene	µg/kg	78 U	75 U	75 U	*77* U	*76* U
Benzo(g,h,i)perylene	µg/kg	78 U	75 U	75 U	*77* U	76 U
Benzo(k)tluoranthene	µg/kg	78 U	75 U	75 U	*77* U	76 U
Biphenyl (1,1-Biphenyl)	µg/kg	34]	370 U	370 U	380 U	380 U
bis(2-0Uoroethoxy)methane	µg/kg	380 U	370 U	370 U	380 U	380 U
bis(2-0Uoroethyl)ether	µg/kg	78 U	75 U	75 U	*77* U	76 U
bis(2-Ethylhexyl)phthalate	µg/kg	170 J	120 J	72 J	69 *I*	380 U
Butyl benzylphthalate	µg/kg	380 U	370 U	370 U	380 U	380 U
Caprolactam	µg/kg	2000 U	1900 U	1900 U	1900 U	1900 U
Carbazole	µg/kg	78 U	75 U	75 U	*77* U	76 U
Chrysene	µg/kg	78 U	75 U	75 U	*77* U	76 U
Diben.z(a,h)anthracene	µg/kg	78 U	75 U	75 U	*77* U	*76* U
Diben.zofuran	µg/kg	380 U	370 U	370 U	380 U	380 U
Diethyl phthalat	µg/kg	380 U	370 U	370 U	380 U	380 U
Dimethyl phthalate	µg/kg	380 U	370 U	370 U	380 U	380 U
Di-n-butylphthalate	µg/kg	380 U	370 U	370 U	380 U	380 U
Di-n-octyl phthalate	µg/kg	380 U	370 U	370 U	380 U	380 U
Fluoranthene	µg/kg	*78* U	*75* U	*75* U	*77* U	76 U
Fluorene	µg/kg	78 U	75 U	75 U	*77* U	76 U
Hexachlorobenzene	µg/kg	78U	75 U	75 U	*77* U	*76* U
Hexachlorobutadiene	µg/kg	78 U	75U	75 U	*77* U	76 U
Hexachlorocydopentadiene	µg/kg	380 U	370 U	370 U	380 U	380 U

TABLE 3A

ANALYI1CAL RESULTS SUMMARY - SOIL
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

	Location ID:	BH-13A	BH-138	BH-13C	BH-IJD	BH-13E
	Sample Name:	S-55833-06()809-JR-020	S-55833-060909-TR-021	S-55833-060909-TR-022	S-55833-060909-JR-023	S-55833-1161009-JR.-024
	Sample Date:	009	009	009	009	QlltVl009
	Depth:	14-16/t BGS	12-14/t BGS	6-Bft BGS	12-14/t BGS	12-14/t BGS
Piiriimeters	*Units*					
Serni-voliitile Orgm1ic Compounds (Cont'd.)						
Hexachloroethane	µg/kg	380 U	370 U	370 U	380 U	380 U
lndeno(l,2,3-<:d)pyrene	µg/kg	78 U	75 U	75 U	77 U	76 U
lsophorone	µg/kg	380 U	370 U	370 U	380 U	380 U
Naphthalene	µg/kg	43J	75 U	75U	77 U	76 U
Nitrobenzene	µg/kg	78 U	75 U	75U	77 0	76 0
N-Nitrosodi-n-propylamine N-	µg/kg	780	75 U	75 U	77 U	76 U
Nitrosodiphenylantine	µg/kg	78 U	75 U	75 U	77 U	76 U
Pentachlorophenol	µg/kg	380 U	370 U	370 U	380 U	380 U
Phenanthrene	µg/kg	46J	75 U	75 U	21J	28J
Phenol	µg/kg	78 U	75 U	75U	77 U	76 U
Pyrene	µg/kg	780	75 U	75U	77 0	76 U
Metiils						
Aluminum	mg/kg					
Antimony	mg/kg					
Arsenic	mg/kg					
Barium	mg/kg					
Beryllium	mg/kg					
Cadmium	mg/kg					
Calcium	mg/kg					
Chromium	mg/kg					
Cobalt	mg/kg					
Copper	mg/kg					
Iron	mg/kg					
Lead	mg/kg					
Magnesium	mg/kg					
Manganese	mg/kg					
Mercury	mg/kg					
Nickel	mg/kg					
Potassium	mg/kg					
Selenium	mg/kg					
Silver	mg/kg					
Sodium	mg/kg					
Thallium	mg/kg					

TABLE 3A

ANALYTICAL RESULTS SUMMARY - SOIL
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

	Location ID:	BH-13A	BH-13B	BH-13C	BH l3D	BH-13E
	Sample Name:	S-55833-060809-JR-020	S-55833-060909-/R-021	S-55833-060909-JR-022	S-55833-060909-JR-023	S-55833-061009-fR-024
	Sample Date:	4/IV2009	Q/912009	Q/912009	Q/912009	Ql.llV.Z009
	Depth:	14.-16ft BGS	12-l4ft BGS	6-Bft BGS	12-14/t BGS	U-14ft BGS
Parameters	*Units*					
Metals (Corit'd.)						
Vanadium	mg/kg					
Zinc	mg/kg					
PCBs						
Arodor-1016 (PCB-1016)	µg/kg					
Aroclor-1221 (PCB-1221)	µg/kg					
Aroclor-1232 (PCB-12. 2)	µg/kg					
Aroclor-1242 (PCB-1242)	µg/kg					
Aroclor-1248 (PCB-1248)	µg/kg					
Aroclor-1254 (PCB-1254)	µg/kg					
Aroclor-1260 (PCB-1260)	µg/kg					
Total Petroleum Hydrocarbo11s CTPH)						
Total Petroleum Hydrocarbons - extractable (ORO)	mg/kg					
Total Petroleum Hydrocarbons - purgeable (GRO)	µg/kg					
Wet CIU!lllistry						
Total Solids	%	86.1	88.8	89.3	872	86.9

Notes:

- Not analyzed.
I-Estimated.
PCBs - Polychlorinated Biphenyls.
U - Not detected.
UJ - Not detected, estimated reporting limit.

TABLE 3B

ANALYTICAL RESULTS SUMMARY - WATER
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

	Location ID:	BH-5	.'WW-2
	Sample Name:	*W-55833-051809-D0-005*	*W-55833-061709-JR-001*
	Sample Date:	*tV'la/.2009*	*tV17/2009*
Parameters	*U11its*		
Volatile Orga11ic Co111po1111ds			
1,1,1-Trichloroethane	µg/L	1.8J	10000 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	lOOOO U
1,1,2-Trichloroethane	µg/L	5.0 U	lOOOO U
1,1-Dichloroethane	µg/L	1.SJ	lOOOO U
1,1-Dicluoroethene	µg/L	5.0 U	lOOOO U
1,2,4-Trichlorobenzene	µg/L	5.0 U	10000 U
1,2-Dibromo-khloropropane (DBCP)	µg/L	5.0 U	lOOOO U
1,2-Dibromoethane (Ethylene Dibromide)	µg/L	5.0 U	10000 U
1,2-Dichlorobenzene	µg/L	5.0 U	10000 U
1,2-Dichloroethane	µg/L	5.0 U	10000 U
1,2-Dichloropropane	µg/L	5.0 U	10000 U
1,3-Dichlorobenzene	µg/L	5.0 U	lOOOO U
1,4-Dichlorobenzene	µg/L	5.0 U	10000 U
2-Butanone (Methyl Ethyl Ketone)	µg/L	1.2J	10000 U
2-Hexanone	µg/L	5.0 U	lOOOO U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	5.0 U	10000 U
Acetone	µg/L	5.1/	40000 U
Benzene	µg/L	5.0 U	10000 U
Bromodichloromethane	µg/L	5.0 U	10000 U
Bromoform	µg/L	5.0 U	10000 U
Bromomethane (Methyl Bromide)	µg/L	5.0 U	lOOOO U
Carbon disulfide	µg/L	5.0 U	10000 U
Carbon tetrachloride	µg/L	5.0 U	lOOOO U
Chlorobenzene	µg/L	5.0 U	10000 U
Chloroethane	µg/L	1.4 J	lOOOO U
Chloroform (Trichloromethane)	µg/L	8.4	lOOOO U
Chloromethane (Methyl Chloride)	µg/L	5.0 U	10000 U
cis-1,2-Dichloroethene	µg/L	5.9	10000 U
cis-1,3-Dichloropropene	µg/L	5.0 U	10000 U
Cydohexane	µg/L	5.0 U	10000 U
Dibromochloromethane	µg/L	5.0 U	lOOOO U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	lOOOO U
Ethylbenzene	µg/L	5.0 U	10000 U
Isopropylbenzene	µg/L	5.0 U	lOOOO U
Methyl acetate	µg/L	5.0 U	10000 U
Methylcyclohexane	µg/l	5.0 U	10000 U
Methyl Tert Butyl Ether	µg/L	5.0 U	lOOOO U
Methylene chloride	µg/L	5.0 U	10000 U
Styrene	µg/L	5.0 U	10000 U
Tetrachloroethene	µg/l	5.0 U	10000 U
Toluene	µg/L	5.0 U	10000 U
trans-1,2-Dichloroethene	µg/L	5.0 U	lOOOO U
trans-1,3-Dichloropropene	µg/l	5.0 U	lOOOO U
Trichloroethene	µg/L	29	290000
Trichlorofluoromethane (CFC-11)	µg/L	5.0 U	lOOOO U
Trifluorotrichloroethane (Freon 113)	µg/l	5.0 U	lOOOO U
VinyI chloride	µg/L	3.3 J	lOOOO U
Xylene (total)	µg/L	15U	30000 U

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TABLE 3B

ANALYTICAL RESULTS SUMMARY - WATER
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

	Location ID:	BH-5	MW-2
	Sample Name:	*W-55833-051809-D0-005*	*W-55833-061709-]R-001*
	Sample Date:	*Sllai2009*	*4/17/2009*
P11rameters	*U11its*		
Semi-volatile Orgatiic Co111pomuls			
2,2'-oxybis{l-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	1.9 U	1.9 U
2,4,5-Trichlorophenol	µg/L	9.4 U	9.7 U
2,4,6-Trichlorophenol	µg/L	9.4 U	9.7 U
2,4-Dichlorophenol	µg/L	1.9 U	1.9 U
2,4-Dimethylphenol	µg/L	9.4 U	9.7 U
2,4-Dinitrophenol	µg/L	47 U	48 U
2,4-Dinitrotoluene	µg/L	9.4 U	9.7 U
2,6-Dinitrotoluene	µg/L	9.4 U	9.7 U
2-Chloronaphthalene	µg/L	1.9 U	1.9 U
2-Chlorophenol	µg/L	9.4 U	9.7 U
2-Methylnaphthalene	µg/L	1.9 U	0.94 J
2-Methylphenol	µg/L	9.4 U	9.7 U
2-Nitroaniline	µg/L	47 U	48 U
2-Nitrophenol	µg/L	9.4 U	9.7 U
3,3'-Dichlorobenzidine	µg/L	9.4 U	9.7 U
3-Nitroaniline	µg/L	47 U	48 U
4,6-Dinitro-2-methylphenol	µg/L	47 U	48 U
4-Bromophenyl phenyl ether	µg/L	9.4 U	9.7 U
4-Chloro-3-methylphenol	µg/L	9.4 U	9.7 U
4-Chloroaniline	µg/L	9.4 U	9.7 U
4-Chlorophenyl phenyl ether	µg/L	9.4 U	9.7 U
4-Methylphenol	µg/L	9.4 U	9.7 U
4-Nitroaniline	µg/L	47 U	48 U
4-Nitrophenol	µg/L	47 U	48 U
Acenaphthene	µg/L	1.9U	1.9 U
Acenaphthylene	µg/L	1.9 U	1.9 U
Acetophenone	µg/L	9.4U	2.SJ
Anthracene	µg/L	1.9 U	1.9 U
Atrazine	µg/L	9.4 U	9.7 U
Ben7.aldehyde	µg/L	9.4 U	9.7 U
Benzo(a)anthracene	µg/L	1.9 U	1.9 U
Bem:o(a)pyrene	µg/L	1.9 U	1.9 U
Benzo(b)fluoranthene	µg/L	1.9 U	1.9 U
Benzo(g.h,i)perylene	µg/L	1.9 U	1.9 U
Benzo(k)fluoranthene	µg/L	1.9 U	1.9 U
Biphenyl (1,1-Biphenyl)	µg/L	9.4 U	9.7 U
bis{2-Chloroethoxy)methane bis{2-	µg/L	9.4 U	9.7 U
Chloroethyl)ether	µg/L	1.9 U	1.9 U
bis{2-Ethylhexyl)phthalate	µg/L	9.4 U	0.75J
Butyl benzylphthalate	µg/L	9.4 U	9.7 U
Caprolactam	µg/L	47 U	48 U
Carbazole	µg/L	1.9 U	1.9 U
Chrysene	µg/L	1.9 U	1.9 U
Dibenz(a,h)anthracene	µg/ L	1.9 U	1.9 U
Dibenzofuran	µg/L	9.4 U	9.7 U
Diethyl phthalate	µg/ L	9.4 U	9.7 U
Dimethyl phthalate	µg/L	9.4 U	9.7 U

TABLE 3B

ANALYTICAL RESULTS SUMMARY - WATER
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

Parameters		Location ID:	BH-5	MW-2
		Sample Name:	W-55833-051809-D0-005	W-55833-061709-JR-001
		Sample Date:	M IV2009	4"17I2009
	Units			
Semi-volatile Organic Co111po1111ds (Cont'd.)				
Di-n-butylphthalate	µg/L		9.4 U	4.8J
Di-n-octyl phthalate	µg/L		9.4 U	9.7 U
Fluoranthene	µg/L		1.9 U	1.9 U
Fluorene	µg/L		1.9 U	1.9 U
Hexachlorobenzene	µg/L		1.9 U	1.9 U
Hexachlorobutadiene	µg/L		1-9 U	1.9 U
Hexachlorocyclopentadiene	µg/L		9.4 U	9.7 U
Hexachloroethane	µg/L		9.4 U	9.7 U
Indeno(1,2,3-cd)pyrene	µg/L		1.9 U	1.9 U
Isophorone	µg/L		9.4 U	9.7 U
Naphthalene	µg/L		1.9 U	1.2J
Nitrobenzene	µg/L		1.9 U	1.9 U
N-Nitrosodi-n-propylamine	µg/L		1.9 U	1.9 U
N-Nitrosodiphenylamine	µg/L		1.9 U	1.9 U
Pentachlorophenol	µg/L		9.4 U	9.7 U
Phenanthrene	µg/L		1.9 U	1.9 U
Phenol	µg/L		1.9 U	1.9 U
Pyrene	µg/L		1.9 U	1.9 U
Metals				
Aluminum	µg/L		182000	
Antimony	µg/L		29J	
Arsenic	µg/L		178	
Barium	µg/L		825	
Beryllium	µg/L		10.8	
Cadmium	µg/L		9.8J	
Calcium	µg/L		782000	
Chromium	µg/L		374	
Cobalt	µg/L		188J	
Copper	µg/L		1020J	
Iron	µg/L		406000	
Lead	µg/L		301J	
Magnesium	µg/L		183000	
Manganese	µg/L		10600	
Mercury	µg/L		0.36	
Nickel	µg/L		541J	
Potassium	µg/L		45100	
Selenium	µg/L		10.0U	
Silver	µg/L		27J	
Sodium	µg/L		190000	
Thallium	µg/L		10.0UJ	
Vanadium	µg/L		344	
Zinc	µg/L		2310J	

TABLE 3B

ANALYTICAL RESULTS SUMMARY - WATER
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

Location ID:	BH-5		*MW-2*
Sample Name:	*W-55833-051809-D0-005*	009	*W-55833-061709-JR-001*
Sample Date:			*Q117/2009*

Parameters	*U11its*		
Metals (Dissolved)			
Aluminum (Dissolved)	µg/L	200 U	
Antimony (Dissolved)	µg/L	1.6J	
Arsenic (Dissolved)	µg/L	2.9J	
Barium (Dissolved)	µg/L	25.9 J	
Beryllium (Dissolved)	µg/L	4.0 U	
Cadmium (Dissolved)	µg/L	0.13J	
Cakium (Dissolved)	µg/L	*72500 1*	
Chromium Total (Dissolved)	µg/L	0.92 J	
Cobalt (Dissolved)	µg/L	3.8J	
Copper (Dissolved)	µg/L	5.7J	
Iron (Dissolved)	µg/L	lOO U	
Lead (Dissolved)	µg/L	3.0 U	
Magnesium (Dissolved)	µg/L	13200	
Manganese (Dissolved)	µg/L	15.0 U	
Mercury (Dissolved)	µg/L	0.20 U	
Nickel (Dissolved)	µg/L	4.7J	
Potassium (Dissolved)	µg/L	24500	
Selenium (Dissolved)	µg/L	3.2J	
Silver (Dissolved)	µg/L	5.0 U	
Sodium (Dissolved)	µg/L	233000	
Thallium (Dissolved)	µg/L	3.5J	
Vanadium (Dissolved)	µg/L	4.5J	
Zinc (Dissolved)	µg/L	:Z0.0u	
PCBs			
Aroclor-1016 (PCB-1016)	µg/L	0.38U	
Aroclor-1221 (PCB-1221)	µg/L	0.38 U	
Aroclor-1232 (PCB-1232)	µg/L	0.38 U	
Aroclor-1242 (PCB-1242)	µg/L	0.38 U	
Aroclor-1248 (PCB-1248)	µg/L	0.38 U	
Aroclor-1254 (PCB-1254)	µg/L	0.38 U	
Aroclor-1260 (PCB-1260)	µg/L	0.38U	
Total Petroleum Hydrocarbo11s (TPH)			
Total Petroleum Hydrocarbons - extractable (ORO)	µg/L	120J	
Total Petroleum Hydrocarbons - purgeable (GRO)	µg/L	37 J	

Notes:

- Not analyzed.
J - Estimated.
PCBs - Polychlorinated Biphenyls.

U - Not detected.

TABLE 3C

ANALYTICAL RESULTS SUMMARY - PAINT
PHASE IIINVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

	Location ID:	CENTER	OFFICE	WEST
	Sample Name:	P-55833-051909-D0-016	P-55833-051909-D0-015	P-55833-051909-D0-017
	Sample Date:	.VZ9'2009	!Vl9/.2009	!V19/2009
Parameter	*U11its*			
Metals				
Lead	mg/kg	3590	82.5	582

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE METHOD BLANKS
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

Parameter	*Analysis Date*	*Analyte*	*Blank Result*	*Sample ID*	*Qualified Sample Result*	*Units*
VOCs	06/10/09	Methylene chloride	2.7}	S-55833-051909-DC>-012	6.2 U	µg/Kg
				S-55833-052009-I>D-013 S-	5.7 U	µg/Kg
				55833-052009-DD-014	5.2 U	µg/Kg
VOCs	06/'Z3/09	2-Butanone	21 0J	S-55833-060909-JR-021 S-	280 U	µg/Kg
				55833-060909-JR-022	280 U	µg/Kg
VOCs	05/26/09	Methylene chloride	1.6J	S-55833-051809-00-001	5.9 U	µg/Kg
				S-55833-051809-00-002	5.9 U	µg/Kg
				S-55833-051809-00-003	9.1 U	µg/Kg
				S-55833-051809-00-004	5.6 U	µg/Kg
				S-55833-051909-DO-D06	5.5 U	µg/Kg
				S-55833-051909-DO-D07	6.2 U	µg/Kg
				S-55833-051909-DO-D08	5.5 U	µg/Kg
				S-55833-051909-00-009	5.9 U	µg/Kg
				S-55833-051909-I>O-OlO	5.5 U	µg/Kg
				S-55833-051909-I>O-Oll	5.8 U	µg/Kg
TPH	05/25/09	DRO	32J	S-55833-051809-00-004	110 U	mg/Kg
TPH	05/25/09	DRO	64J	S-55833-051909-00-008	300 U	mg/Kg
TPH	05/25/09	DRO	640J	5-55833-051909-I>O-OlO	3000 U	mg/Kg
Metals	05/28/09	Aluminum (Dissolved)	*25.6]*	VV-55833-051809-DO-D05	200 U	µg/L
Metals	05/28/09	Iron (Dissolved)	26.2J	VV-55833-051809-00-005	100 U	µg/L
Metals	05/28/09	Zinc (Dissolved)	6.9J	VV-55833-051809-DO-D05	20 U	µg/L

Notes:

ORO - Diesel Range Organics.
J - Estimated.
TPH - Total Petroleum Hydrocarbon.
U - Not detected.
VOCs - Volatile Organic Compounds.

TABLE S

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING SURROGATE RECOVERIES
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

Parameter	*Surrogate*	*Surrogate Recovery (percent)*	*Control Limits (percent)*	*Sample ID*	*Analytes*	*Qualified Sample Results*	*Units*
TPH	C9 (nonane)	7.8	10 - 110	S-55833-051809-00-004	DRO	110 UJ	mg/Kg

Notes:

DRO - Diesel Range Organics.
TPH - Total Petroleum Hydrocarbon.
UJ - Not detected, estimated reporting limit.

TABLE 6

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKF/MATRIX SPIKE DUPLICATE RECOVERIES
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

Parameter	*Associated Sample ID*	*Analyte*	*MS Recovery (percent)*	*MSD Recovery (percent)*	*RPD*	*Control Limits*		*Qualified Sample Result*	*Units*
						Recovery (percent)	*RPD (percent)*		
Metals	S-55833-051909-D0-012	Mercury	51	49	1	75-125	35	0.29 J	mg/Kg
Metals	S-55833-051809-D0-001	Cadmium	40	41	1.5	75-125	20	4.7 J	mg/Kg
Metals	S-55833-051809-D0-001	Chromium	70	61	5.2	75-125	20	25.5 J	mg/Kg
Metals	S-55833-051809-D0-001	Potassium	148	136	6.7	75-125	20	1800 J	mg/Kg
Metals	S-55833-051809-D0-001	Magnesium	292	311	4.4	75-125	20	7760 J	mg/Kg
Metals	S-55833-051809-D0-001	Antimony	58	62	6.2	75-125	20	2.7 J	mg/Kg
Metals	S-55833-051809-00-005	Cadmium	71	65	6.1	75-125	20	9.8 J	µg/L
Metals	S-55833-051809-D0-005	Cobalt	70	65	5.4	75-125	20	188 J	jig/L
Metals	S-55833-051809-D0-005	Nickel	71	61	5.9	75-125	20	541 J	µg/L
Metals	S-55833-051809-DO-OOS	Antimony	51	45	9.7	75-125	20	2.9 J	µg/L
Metals	S-55833-051809-D0-005	Thallium	70	67	4.6	75-125	20	10 U	µg/L

Notes:

J - Estimated.
MS - Matrix Spike.
MSD - Matrix Spike Duplicate.
RPD - Relative Percent Difference.
U - Not detected.

TABLE 7

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE RESULTS
PHASE II INVESTIGATION
LEISURE LIVING
BUFFALO, NEW YORK
MAY - JUNE 2009

Parameter	*Compound*	*LCS Date*	*Associated Sample ID*	*LCS %Rec*	*LCSD %Rec*	*RPD (percent)*	*Control Limits %Rec*	*Control Limits %RPD*	*Qualified Sample Results*	*Units*
TPH	DRO	05/24/09	W-55833-051809-D0-005	77	46	50	36 - 124	30	120 J	µg/L

Notes:

DRO - Diesel Range Organics..
LCS - Laboratory Control Sample.
LCSD - Laboratory Control Sample Duplicate.
J - Estimated.
RPD - Relative Percent Difference.
TPH - Total Petroleum Hydrocarbon.

ATTACHMENT 2

LABORATORY DATA PACKAGE
(ON CD)

To be submitted with Final Report

ATTACHMENT 3

SOIL BORING SB-12 OIL PHOTOGRAPH

SB-12 potential observed oiL

ATTACHMENT 4

STRATIGRAPHIC AND INSTRUMENTATION LOGS

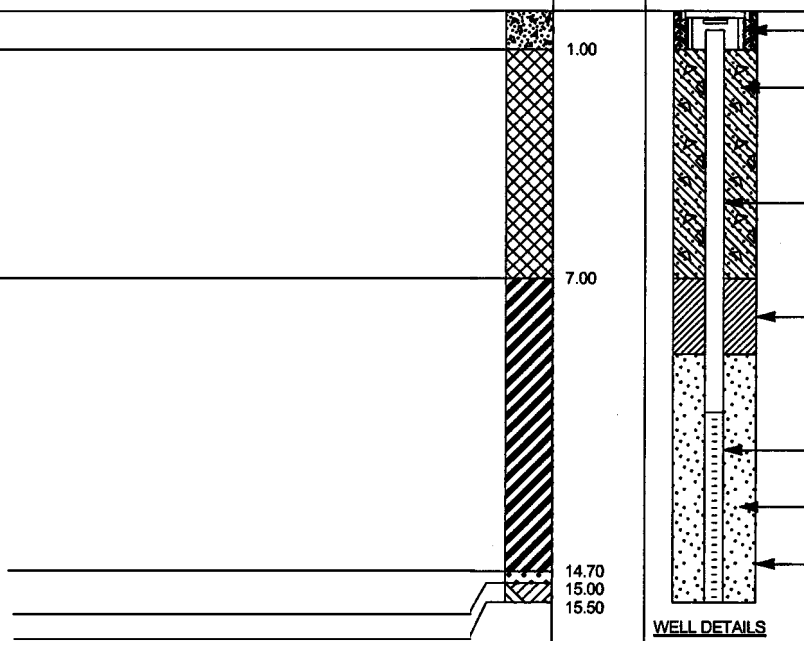
STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Leisure Living Phase II
PROJECT NUMBER: 55833
CLIENT: Rich Products
LOCATION: Buffalo, NY

HOLE DESIGNATION: SB-12E/ MW-1
DATE COMPLETED: June 5, 2008
DRILLING METHOD: 4.5" HSA
FIELD PERSONNEL: J. Raby

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE			
2							
	CONCRETE FLOOR		CONCRETE				
	FILL-concrete fragments, bricks, sand, gravel		CEMENT/ BENTONITE GROUT	5$1	0.7	15	0.2
6 4				SS2	0.9	59	0.3
			2"0 PVC WELL CASING	SS3	1.4	9	0.7
8	CH-CLAY, with fine gravel, hard, plastic, massive, light brown, dry, traces of oil found throughout clay		BENTONITE	SS4	1.2	36	0.4
10				SSS	1.3	41	0.3
12			WELL SCREEN	SS6	1.6	43	0.3
			SAND PACK				
14			8"0 BOREHOLE	5$7	1.0	39	0.4
16	SW-SAND, trace silt, dense, fine grained, well raded ellowish oran e moist TOP OF BEDROCK END OF BOREHOLE @ 15.51! BGS						
18	Auger Refusal @ 15.5 ft BGS						
20			Saeened interval: 10.50 to 15.SOll BGS Length: 511 Diameter: 2in Slot Size: 10 Material: PVC Seal: 7.00 to 9.00ll BGS Material: BENTONITE Sarni Pack: 9.00 to 15.SOll BGS Material: 00 SAND				
22							
24							
26							
28							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



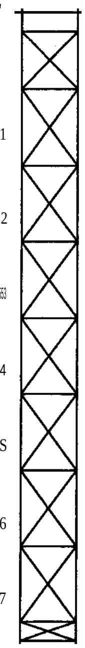
CORP.GDT 7/9/09

STRATIGRAPHIC AND INSTRUMENTATION LOG
(OVERBURDEN)

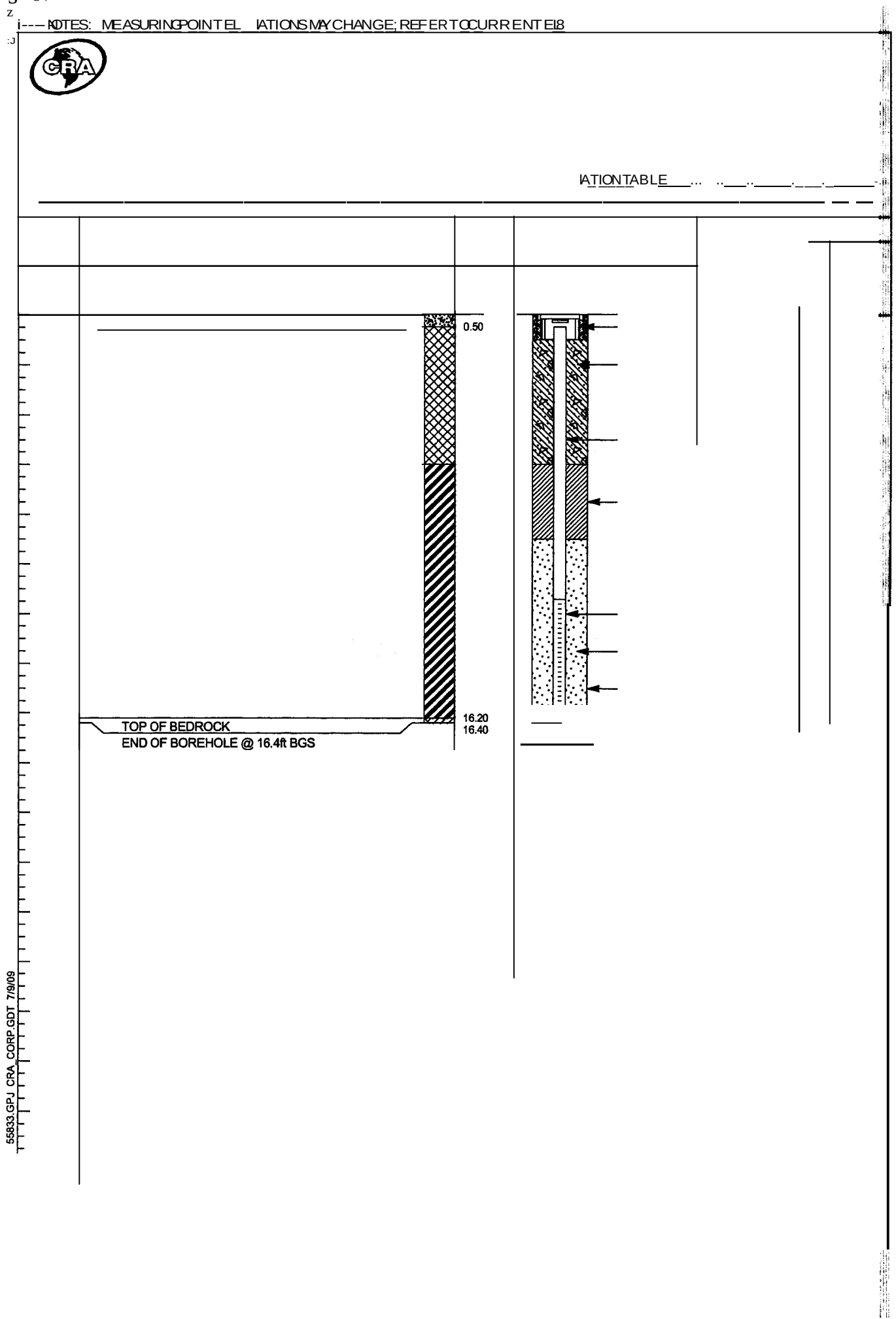
PROJECT NAME: Leisure Living Phase II
PROJECT NUMBER: 55833
CLIENT: Rich Products
LOCATION: Buffalo, NY

HOLE DESIGNATION: SB-13E/ MW-2
DATE COMPLETED: June 10, 2009
DRILLING METHOD: 4.5" HSA
FIELD PERSONNEL: J. Raby

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE			
				0: W : en ::::> z	0:: w I-	g (.) w 0::	:w> ?:	e .S Cl ii:
	CONCRETE FLOOR		CONCRETE				
2	FILL-concrete fragments, bricks, sand, gravel		CEMENT/ BENTONrrE	SS1	0.9	8	8.4
4			GROUT	SS2	0.8	8	8
			2'0 PVC WELL CASING	553	0.7	13	17
6	CH-CLAY, with fine gravel,hard, plastic, massive, light brown, dry	6.00					
8			BENTONrrE	SS4	1.3	22	24
10				SSS	2.0	13	11
				SS6	2.0	28	51
12			WELL SCREEN	SS7	2.0	25	1500
14			SAND PACK				
	Auger Refusal @ 16.4 ft BGS						
16							
			8"0 BOREHOLE	SS6	0.3	41	180
				SS9	0.1	>50	200
18							
20							
22							
24							
26							
28							
		30					



WELL DETAILS
Saeened Interval:
11.40 to 16.40ft BGS
Length: 5ft
Diameter: 2in
Slot Size: 10
Material: PVC
Seal:
6.00 to 9.00ft BGS
Material: BENTONITE
Sand Pack:
9.00 to 16.40ft BGS
Material: 00 SANO


NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
CRA
0.50
TOP OF BEDROCK
16.20
END OF BOREHOLE @ 16.4ft BGS
16.40
55833.GPJ CRA_CORP.GDT 7/9/09

ATTACHMENT 5

JEFFREY D. WIND'S ASBESTOS CERTIFICATION

13 1Aff.: OF NEW YORK - OEPARTMENI OF L ABOR

A8Bf TO Cf TIFICA U·

JEFFREY D WIND
CLASS(EXPIRES)
D INSP(04/10)

CERT# 06-05937
DMVI 2105019

MUST BC G\RRIECJ ON ASBESTOS PROJECTS

1111111111111111111111111111111

EYES HAZ

RAIR BRO

HGT 5' 10"

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

@001

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EXPIRATl,PN DATE: 10/31{ P09

Duly Authorized Representative – Jeffrey Wind:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Maureen A Cox

SH 432 (4-07)

Maureen A. Cox, Director

FOR THE COMMISSIONER OF LABOR