Final Engineering Report

Colgate Avenue Site

Buffalo, New York
Site No. 915133

December 2010
Final September 2012

0100-001-200

Prepared For:

Ameron International

Prepared By:

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

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Colgate Avenue Site

ERIE, NEW YORK

Final Engineering Report

NYSDEC Site Number: 915133

Prepared for:

Ameron International Corporation

245 South Los Robles Avenue

Pasadena, California 91101

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DECEMBER 2010

FINAL SEPTEMBER 2012

CERTIFICATIONS

I, Thomas H. Forbes, P.E., am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Remedial Action Work Plan was implemented and that all construction activities were completed in substantial conformance with the Department-approved Remedial Action Work Plan.

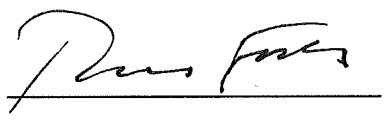
I certify that the data submitted to the Department with this Final Engineering Report demonstrates that the remediation requirements set forth in the Remedial Action Work Plan and in all applicable statutes and regulations have been or will be achieved in accordance with the time frames, if any, established in for the remedy.

I certify that all use restrictions, Institutional Controls, Engineering Controls, and/or any operation and maintenance requirements applicable to the Site are contained in an environmental easement created and recorded pursuant ECL 71-3605 and that all affected local governments, as defined in ECL 71-3603, have been notified that such easement has been recorded.

I certify that a Site Management Plan has been submitted for the continual and proper operation, maintenance, and monitoring of all Engineering Controls employed at the Site, including the proper maintenance of all remaining monitoring wells, and that such plan has been approved by Department.

I certify that any financial assurance mechanisms required by the Department pursuant to Environmental Conservation Law have been executed.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Thomas H. Forbes, P.E., of Benchmark Environmental Engineering & Science, PLLC, am certifying as Owner's Designated Site Representative for the Site.

070950	09/26/2012	
NYS Professional Engineer #	Date	Signature

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LIST OF ACRONYMS

Acronym	Definition
FER	Final Engineering Report
RAO	Remedial Action Objective
PCB	Polychlorinated Biphenyl
SCO	Soil Cleanup Objective
RI	Remedial Investigation
RAWP	Remedial Action Work Plan
HASP	Health and Safety Plan
CAMP	Community Air Monitoring Plan
PID	Photoionization Detector
PPM	Part Per Million
TCL	Target Compound List
TAL	Target Analyte List

FINAL ENGINEERING REPORT

1.0 BACKGROUND AND SITE DESCRIPTION

Ameron International Corporation (Ameron) entered into an Order on Consent with the New York State Department of Environmental Conservation (NYSDEC) in December 2004 to investigate and remediate a 3.2-acre property located in The City of Buffalo, New York. The property was remediated to commercial use.

The Site is located in the County of Erie, New York and is identified as Erie County Tax Map Section 133.62, Block 2, Lots 1.11 and 25.11. The Site is situated on an approximately 3.2-acre area bounded by Colgate Avenue to the north, occupied commercial warehouse property to the south, residential property to the east, and vacant commercial property to the west (see Figure 1). The boundaries of the Site are fully described in Appendix A: Survey Map, Metes and Bounds.

An electronic copy of this FER with all supporting documentation is included as Appendix B.

2.0 SUMMARY OF SITE REMEDY

2.1 REMEDIAL ACTION OBJECTIVES

Based on the results of the Remedial Investigation, the following Remedial Action Objectives (RAOs) were identified for this Site.

2.1.1 Groundwater RAOs

RAOs for Public Health Protection

- Eliminate or reduce to the extent practicable exposure of persons at or around the Site to contaminated groundwater

RAOs for Environmental Protection

- Attain, to the extent practicable, ambient groundwater quality standards.

2.1.2 Soil RAOs

RAOs for Public Health Protection

- Eliminate or reduce to the extent practicable exposure of persons at or around the Site to lead and PCBs in soil.
- Attain, to the extent practicable, Sub-part 375-6.8 Soil Cleanup Guidance Objectives for Commercial Use.

RAOs for Environmental Protection

- Eliminate or reduce to the extent practicable the release of contaminants from soil into groundwater that may create exceedances of groundwater quality standards 2.1.

2.2 DESCRIPTION OF SELECTED REMEDY

The Site was remediated in accordance with the remedy selected by the NYSDEC in the Decision Document dated May 2010.

The factors considered during the selection of the remedy are those listed in 6NYCRR 375-1.8. The following are the components of the selected remedy (see Figure 2):

1. Focused excavation of soil/fill exceeding the commercial Soil Cleanup Objectives (SCOs) for PCBs (i.e., 1 ppm) and lead (1,000 ppm) with off-site disposal. Specifically, excavation of impacted soil/fill was to be limited to an area 15 feet wide x 15 feet long x 1.5 feet deep surrounding remedial investigation (RI) sample locations SS-1, SS-2, and SB-3; and an area 15 feet

wide x 15 feet long x 2 feet deep surrounding RI sample location SB-5. Based on the extensive Site sampling data showing that the impacts in these areas are isolated and limited to the subject sample locations, confirmatory sampling was not required. Following excavation, the areas were slated for backfilled with clean topsoil (compliant with commercial SCOs and protection of groundwater quality concentrations per 6NYCRR Part 375-6) and seeding to promote vegetative growth.

2. Remediation of the chlorinated VOCs in groundwater in the vicinity of temporary monitoring well TMW-2 via injection of hydrogen release compound (HRC®) to stimulate in situ anaerobic degradation.
3. Remediation of the aromatic VOCs in groundwater in the vicinity of temporary monitoring well TMW-3 via injection of oxygen release compound (ORC®) to stimulate in situ aerobic degradation.
4. Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the Site.
5. Development and implementation of a Site Management Plan for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting;
6. Periodic certification of the institutional and engineering controls listed above.

3.0 INTERIM REMEDIAL MEASURES, OPERABLE UNITS, AND REMEDIAL CONTRACTS

The remedy for this Site was performed as a single project, and no interim remedial measures, operable units or separate construction contracts were performed.

4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved Remedial Action Work Plan (RAWP) for the Colgate Avenue Site (May 2010). All deviations from the RAWP are noted below.

4.1 GOVERNING DOCUMENTS

4.1.1 Site Specific Health & Safety Plan (HASP)

All remedial work performed under this Remedial Action was in full compliance with governmental requirements, including Site and worker safety requirements mandated by Federal OSHA.

A Site-Specific Health and Safety Plan (HASP) was prepared and included as Appendix A of the RAWP. The Health and Safety Plan (HASP) was complied with for all remedial and invasive work performed at the Site.

4.1.2 Community Air Monitoring Plan (CAMP)

A Community Air Monitoring Plan (CAMP) was included with the Site-Specific Health and Safety Plan, which called for respirable dust and volatile organic compound (VOC) monitoring at the downgradient perimeter of the exclusion zone (i.e., primary work area) during intrusive activities using a photoionization detector (PID) and particulate monitor. Thresholds for corrective action were established in the CAMP as 5 ppm of VOCs above background and 100 micrograms per cubic meter of respirable dust above background.

4.1.3 Community Participation Plan

Community participation in the remedial measures selection process was effected through distribution of a Fact Sheet that summarized the remedial measures and solicited public comment on the May 2010 Decision Document. The Fact Sheet was distributed to local residents, businesses, governmental agencies, media, and other interested parties per the NYSDEC-approved distribution list. The Fact Sheet was mailed on June 21, 2010. The comment period ran through July 20, 2010.

4.2 REMEDIAL PROGRAM ELEMENTS

4.2.1 Contractors and Consultants

Benchmark Environmental Engineering & Science, PLLC (Benchmark), a NY State authorized engineering firm, carried out the remedial work on a design-build basis. As such, Benchmark served as Engineer of Record responsible for inspection of the work as well as the prime contractor. Subcontractors retained to assist in the work included:

- Trec Environmental, Inc., 1018 Washington Street, Spencerport, NY 14559-9765, which provided direct-injection services for HRC® and ORC® injections.
- R.E. Lorenz Construction, Inc., 1200 Ransom Road, Lancaster, NY 14086-9724, which provided soil/fill removal, transport and backfill services.

4.2.2 Site Preparation

A pre-construction meeting was held with the excavation contractor, R.E. Lorenz Construction, on August 20, 2010 to discuss the remedial approach. Due to the straightforward and routine nature of the HRC® and ORC® injection program, the pre-construction meeting for these elements of the work was conducted in the field on the first day of work (September 13, 2010).

Prior to performing the remedial work, Benchmark provided the off-site disposal facility with a summary of the RI sample results for each of the four areas designated for excavation (see Tables 1 and 2). Based on disposal facility requirements, waste characterization samples were then collected to determine the suitability of soils from the planned excavation areas to be disposed off-site as non-hazardous wastes. Specifically, representative samples were collected from the SS-1, SS-2, SB-3, and SB-5 areas and analyzed for leachable (RCRA-regulated) metals in accordance with the toxicity characteristic leaching procedure (TCLP) due to elevated lead content in the associated RI samples. Analytical results are summarized on Table 3 with their respective regulatory limits; data is presented in Appendix C. The results indicated that one of the four areas (SB-3 area) contained leachable lead above the TCLP limits of 5 mg/L; the remaining areas were compliant. Accordingly, Benchmark performed a pilot test per the RA Work Plan using Portland cement as a stabilizing agent to reduce lead leachability. The pilot testing involved in-place blending of Portland cement within a portion of the designated SB-3 excavation area at concentrations of approximately 3%, 4%, and 5% by weight. The Portland was blended using a small track-mounted excavator. Samples were collected following each Portland cement trial step for analysis of leachable lead. Analytical results

from the pilot test are summarized on Table 3 and presented in Appendix C. As shown, blending of SB-3 area soils with 3-4% Portland resulted in reduced lead leachability below the regulatory limit. At a 5% Portland concentration the leachability increased, which is likely the result of lead hydroxide formation/precipitation in the sample matrix and subsequent solubilization within the acidic TCLP extract.

Based on the pilot test results, all of the SB-3 Area soils designated for removal were blended in place with approximately 3% by weight of Portland cement and a composite sample of the stabilized area was collected to verify compliance with the regulatory limit for leachable lead. As indicated on Table 3, the stabilized soils yielded leachable lead well below 5 mg/L, rendering the material suitable for off-site disposal as non-hazardous waste.

Other activities performed as part of the Site preparation work included: underground utility marking; coordination with a neighboring business (Colgate Industries, Inc.), which provided a potable water supply for dust control and sanitary facilities for Site workers; and acquisition of an approved waste disposal profile for the stabilized SB-3 Area soils and other soils designated for non-hazardous waste disposal.

4.2.3 General Site Controls

Several controls were employed during the remedial work to minimize potential release of contaminants from the Site and/or exposure to the community.

Security was maintained through permanent fencing, which surrounds the subject property and neighboring business to the south. The access gate along Colgate Avenue was also closed and locked at the end of each work day to prevent after-hours trespassing. Colgate Industries personnel also periodically monitored the Site for unauthorized entry after work hours.

Erosion control was provided via minimization of the excavation area, direct loading of soils in lieu of stockpiling, and immediate backfilling/seeding of excavated areas. Trucks were not allowed to traverse impacted soil/fill material, preventing drag-out of contaminated soils.

4.2.4 Nuisance controls

Nuisance conditions were substantially eliminated via the short duration of the remedial work (approximately 5 business days), which mitigated typical construction concerns such as noise, traffic and other disruption of the community. Dust control measures (water spray) were planned and available for the impacted soil/fill removal

work, but were not necessary due to wet weather that prevailed during the removal event. No complaints were received from the public concerning the remedial work.

4.2.5 CAMP results

During the soil/fill removal work Benchmark maintained on-site a DataRam™ dust monitor with data logger and a calibrated photoionization detector (PID) to allow for monitoring of particulate and vapor concentrations downwind of the exclusion zone per the Community Air Monitoring Plan included with the RAWP. However, due to the wet weather conditions encountered during the work event monitoring was not performed.

4.2.6 Reporting

All daily reports are included in Appendix D and in electronic format in Appendix B. The digital photo log required by the RAWP is included in Appendix E and in electronic format in Appendix B.

4.3 CONTAMINATED MATERIALS REMOVAL

In accordance with the June 2010 Remedial Investigation and Feasibility Study report, the reasonably-anticipated future use of the Site is for industrial purposes. However, to facilitate redevelopment of the property Ameron elected to implement an alternative that would achieve commercial SCOs. The contaminants of concern in soil/fill were identified as lead and PCBs, having commercial SCOs of 1,000 ppm and 1 ppm, respectively.

A figure of the location of original sources and areas where excavations were planned is shown on Figure 2.

4.3.1 Soil/Fill Excavation

Soil/fill excavation activities were conducted on September 30, 2010. Prior to initiating the work, R.E. Lorenz, Inc. cut and removed the remaining steel rail from the former spur spanning the SB-3 and SB-5 areas. Soil was then excavated to the specified depths and minimum areas identified in the RA Work Plan (i.e., 15 feet wide x 15 feet long x 1.5 feet deep centered on sample locations SS-1, SS-2, and SB-3; and an area 15 feet wide x 15 feet long x 2 feet deep centered on sample location SB-5). Soils were direct-loaded to tandem trucks operated by R.E. Lorenz, Inc. for off-site disposal as described below. No trucks were allowed to traverse the hotspot areas.

During excavation of the SB-3 area, some remaining rail tie fragments from the former spur were encountered. These fragments were anticipated when the waste disposal profile was prepared and were disposed with the soil/fill materials. Similar fragments were encountered upon excavation of the SB-5 area, however in addition to the fragments approximately 8 competent rail ties were also encountered within the excavation limits. These competent ties, which were not approved for off-site disposal under the profile, were cleaned of soil clods and temporarily set aside. Benchmark and the NYSDEC verbally agreed that these competent ties would remain on-site below grade consistent with other ties from former rail spurs on the property. To avoid contravening the RA Work Plan criteria for approved backfill materials in the pre-defined excavation areas, the SS-2 excavation was extended approximately 8 feet to the south and competent ties were placed in this extended area. A map showing estimated excavation areas and depths for remedial activities at the Site is included as Figures 3.

In addition to the soils, the contents of two 55-gallon drums containing soil cuttings from prior investigation work were disposed with the soil/fill materials. The drums were cleaned of residual soil and crushed for off-site recycling.

4.3.1.1 Disposal Details

The analytical data summarized on Tables 1 through 3 was transmitted to the designated disposal company (Waste Management, Inc.) for approval prior to initiating excavation work. A copy of the waste profile application and acceptance from the landfill facility are presented in Appendix F.

Excavated soil/fill was disposed on the same day as the removal work on September 30, 2010. A total of 74.78 tons of soil material was transported and disposed at the Waste Management, Inc. (WMI) Chaffee Landfill in Chaffee, New York (NYSDEC No. 9-1462-00001/00006) by R.E. Lorenz, Inc., a licensed solid waste transporter (NYSDEC #9A799). This included 15.97 tons of stabilized soil material from the SB-3 area, which were disposed as solid waste under WMI profile 106173NY, and 58.81 tons of soil/fill from the remaining three areas, which were disposed as alternative daily cover material under WMI profile 106032NY.

Manifests and bills of lading are included in electronic format in Appendix G.

4.4 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING

Based on the extensive Site sampling data showing that impacts in these areas are isolated and limited to the subject sample locations, confirmatory sampling was not

required. With NYSDEC concurrence, the lateral and vertical extent of excavation was pre-defined based on analytical interpolation from samples proximate to soil sample locations SS-1, SS-2, and SB-3.

4.5 IMPORTED BACKFILL

Imported backfill was comprised of approximately 75 cubic yards of topsoil furnished by R.E. Lorenz, Inc. The material, which was harvested from a virgin source, was stockpiled on R.E. Lorenz's operations yard in Lancaster NY. Mr. William Murray of the NYSDEC visually inspected the stockpiled material with Benchmark on August 24, 2010 and deemed it acceptable for import to the Site pending analytical characterization.

A representative sample of the proposed topsoil borrow source was collected by Benchmark on August 27, 2010. The sample was submitted to TestAmerica Laboratories, Inc., an NYSDOH-approved laboratory, for analysis of the parameters listed below (i.e., encompassing the full suite of constituents regulated under 6NYCRR Part 375-6.8):

- USEPA Target Compound List (TCL) VOCs
- TCL SVOCs
- TCL pesticides/PCBs
- TCL Herbicides
- Cyanide
- Target Analyte List (TAL) Metals, including hexavalent chromium

Sample results are included in Appendix H and summarized in Table 4. As indicated, all detectable constituents were well below the allowable levels (i.e., commercial SCOs). Accordingly, the NYSDEC approved the material for import as hotspot soil backfill.

Backfilling occurred on the same day as hotspot excavation, and was completed to restore each of the excavation areas to match surrounding grade. In addition, at the request of the City of Buffalo a dock area within the former Plant 1 Building foundation along Colgate Avenue was backfilled with the same topsoil for aesthetic purposes. Figure 3 shows the backfill/restoration areas.

All of the areas receiving topsoil were seeded with the equivalent of 100 lbs./acre of a seed mix meeting the specifications contained in the RA Work Plan. Specifically, seed was comprised of the following mix as supplied by Preferred Seed Company in Buffalo, NY:

Seed Type	Approx. %
Kentucky 31 Tall Fescue	35.8
Garibladi Perennial Ryegrass	24.8
Ensylva Creeping Red Fescue	19.5
Crown Royale Orchard Grass	13.6
Norcen Birdsfoot Trefoil	3.6
Other/Inert	2.7

Seeding was initiated on September 30 and completed on October 1, 2010. A copy of the seed mix tag is presented in Appendix I.

4.6 GROUNDWATER REMEDIATION

4.6.1 HRC® Injection

Remediation of chlorinated VOCs in groundwater in the vicinity of temporary monitoring well TMW-2 was accomplished through direct injection of Hydrogen Release Compound® (HRC®) to stimulate anaerobic bioremediation in this area of the Site. In accordance with the RAWP, 570 lbs. of HRC® was injected on a grid pattern into the area surrounding TMW-2 on September 6, 2010. The injection pattern followed the plan shown on Figure 2. As indicated, 16 delivery points spaced on approximate 12.5-ft centers were employed. Delivery points were direct-driven via a truck-mounted geoprobe rig using 1.25-inch drive rods with expendable tips and pumping equipment meeting manufacturer's recommendations. Mild ambient temperatures allowed direct injection without preheating of the HRC® product. Each point received approximately 7 lbs. of HRC® per foot from depths of 9 to 14 feet below grade, for a total of approximately 35 lbs. of HRC® delivered per point.

4.6.2 ORC Advanced™ Injection

Remediation of the aromatic VOCs in groundwater in the vicinity of temporary monitoring well TMW-3 was accomplished through injection of advanced formula Oxygen Release Compound (ORC Advanced™) to stimulate aerobic bioremediation in

this area of the Site. In accordance with the RA Work Plan, 750 lbs. of ORC Advanced™ was injected on a grid pattern surrounding TMW-3 on September 7 through 9, 2010. Prior to injection, ORC Advanced™ powder was field-blended with potable water supplied by Colgate Industries per the manufacturer's instructions. The injection pattern followed the plan shown on Figure 2. As indicated, 49 delivery points spaced on approximate 10-ft centers were employed. Delivery points were direct-driven via a truck-mounted geoprobe rig using 1.25-inch drive rods with expendable tips and pumping equipment meeting manufacturer's recommendations. Each point received approximately 5.1 lbs. of ORC Advanced™ per foot from depths of 6 to 9 feet below grade, for a total of approximately 15.3 lbs. of HRC® delivered per point.

4.7 CONTAMINATION REMAINING AT THE SITE

Areas of the Site where exceedances of unrestricted use SCOs and commercial use SCOs were encountered during the RI and were not addressed by the subject remedial program are summarized in Tables 5a and 5b, respectively.

As presented on Table 5a, several polyaromatic hydrocarbons (PAHs) as well as certain metals and to a lesser extent PCBs remain on the Site at concentrations above the unrestricted use SCOs. Several of these constituents are commonly encountered at elevated concentration at properties where fill materials were imported and/or where burning of fossil fuels such as coal historically occurred. As such, they tend to be ubiquitous in the City of Buffalo. Moreover, the remedial program was not geared toward achieving unrestricted use SCOs, as these criteria are overly stringent based upon the current and reasonably anticipated future use of the Site.

Comparison of the data to the commercial use SCOs on Table 5b provides a more meaningful representation of final (remediated) Site conditions. As presented on Table 5b and illustrated on Figure 4, only two exceedances of commercial SCOs remain. Benzo(a)pyrene was detected at one sample location (TP-6) outside of the remedial area at a concentration only slightly above the commercial SCO. Based on the limited nature of the exceedance and the extent to which other samples yielded concentrations of this parameter below the commercial SCO, it is anticipated that the average (site-wide) benzo(a)pyrene concentration falls below the SCO. Similarly, manganese was detected at only one sample location (TP-5) above the commercial use SCO. However manganese is a naturally-occurring metal with background concentrations on or about the same order of magnitude as the concentration reported for sample TP-5.

In addition to soil impact, groundwater impact was addressed by the remedial program (see Section 4.6). Areas where groundwater impact was addressed include the area surrounding TMW-2 and TMW-3. In both cases the efficacy of the injections will be assessed through continued post-remedial groundwater monitoring.

Since soil exceeding unrestricted use SCOs and residual groundwater impact remains beneath the Site after completion of the Remedial Action, Institutional Controls are required to protect human health and the environment. These Institutional Controls (ICs) are described in the following sections. Long-term management of these ICs and residual contamination will be performed under the Site Management Plan (SMP) approved by the NYSDEC.

4.8 INSTITUTIONAL CONTROLS

The Site remedy requires that an environmental easement be placed on the property to (1) implement, maintain and monitor the Institutional Controls; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination and requiring sub-slab vapor mitigation for any newly-constructed buildings; and, (3) limit the use and development of the Site to commercial uses only. In accordance with the RAWP and SMP, the following specific Institutional Controls are incorporated into the easement:

- The property may only be used for commercial or industrial use provided that the long-term Institutional Controls included in the SMP are employed.
- The property may not be used for a higher level of use, such as unrestricted or restricted residential use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC.
- All future activities on the property that will disturb remaining soil/fill material must be conducted in accordance with the SMP.
- The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use.
- A soil vapor barrier and passive sub-slab depressurization system must be installed beneath any newly constructed buildings on the property.
- Vegetable gardens and farming on the property are prohibited.
- The Site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP.

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

The environmental easement for the Site was executed by the Department on July 25, 2012, and filed with the Erie County Clerk on September 20, 2012. The County Recording Identifier numbers for this filing are 2012213747 and 2012213748. A copy of the easement and proof of filing is provided in Appendix J.

4.9 DEVIATIONS FROM THE REMEDIAL ACTION WORK PLAN

No deviations from the RA Work Plan occurred that would represent a substantive change in the remedial approach. As stated previously, two conditions required minor adjustment to the scope of field activities: wet weather conditions prevailed during hotspot soil/fill removal activities, which negated the need for particulate controls and precluded real time air monitoring. In addition, a small number of competent rail ties encountered in the SB-5 Hotspot Area were cleaned of clinging soil and remained on-site in the shallow subsurface adjacent to SS-2.

TABLES

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 1

Soil/Fill Characterization Data
SS-1 and SS-2 Areas

Final Engineering Report
Colgate Avenue Site
Ameron International Corporation

PARAMETER[1]	Sample Location		
	SS - 1	SS - 2	SCO RESTRICTED-COMMERCIAL (ppm)[2]
TCL VOCs (mg/kg)			
Acetone	ND	ND	**500**
Ethylbenzene	ND	ND	**390**
TOTAL Xylenes	ND	ND	**500**
Carbon Disufide	ND	ND	**--**
Chlorofrom	ND	ND	**350**
2 - Butanone	ND	ND	**500**
Methylcyclohexane	ND	ND	**--**
Isopropylbenzene	ND	ND	**--**
TCL SVOCs (mg/kg)			
2,4 - Dimethylphenol	ND	ND	**--**
Naphthalene	0.062 J	0.03 J	**500**
2 - Methylnaphthalene	ND	0.028 J	**--**
Dimethyl Phthalate	0.16 J	ND	**--**
Acenaphthylene	ND	0.015 J	**500**
Acenaphthene	0.16 J	0.032 J	**500**
Dibenzofuran	0.064 J	0.021 J	**350**
Fluorene	0.12 J	0.031 J	**500**
Phenanthrene	1.9 J	0.43	**500**
Anthracene	0.31 J	0.09 J	**500**
Carbazole	0.24 J	0.049 J	**--**
Di - n - butyl phthalate	0.38 J	0.14 J	**--**
Fluoranthene	3.4	0.65	**500**
Pyrene	2.9	0.55	**500**
Butyl benzyl phthalate	0.22 J	ND	**--**
Benzo (a) anthracene	1.5 J	0.33 J	**5.6**
Chrysene	1.6 J	0.36 J	**56**
Bis(2 - ethylhexyl) phthalate	140	ND	**--**
Di - n - octyl phthalate	ND	ND	**--**
Benzo (b) fluoranthene	2.9 J	0.64 J	**5.6**
Benzo (k) fluoranthene	0.64 J	0.15 J	**56**
Benzo (a) pyrene	**1.6 J**	0.34 J	**1**
TCL SVOCs (mg/kg)			
Indeno (1,2,3 - cd) pyrene	0.94 J	0.17 J	**5.6**
Dibenzo (a,h) anthracene	0.23 J	0.052 J	**0.56**
Benzo (g,h,i) perylene	0.79 J	0.16 J	**500**
TAL Metals (mg/kg)			
Aluminum	6590	8260	**--**
Antimony	2.9 BN*J	2.9 BN*J	**--**
Arsenic	5.8 N*J	11 N*J	**16**
Barium	299	93.8	**400**
Beryllium	0.88 E*J	0.7 E*J	**590**
Cadmium	3 EJ	0.59 BEJ	**9.3**
Calcium	54200 E*J	38000 E*J	**--**
Chromium	41 NE*J	17.9 NE*J	**1500**
Cobalt	4.4 BEJ	6.2 BEJ	**--**
Copper	55 N*J	31.5 N*J	**270**
Iron	17300 E*J	18400 E*J	**--**
Lead	505 E*J	**2660 E*J**	**1000**
Magnesium	15000 *	4240 *	**--**
Manganese	1160 E*J	576 E*J	**10000**
Mercury	0.154 *	0.123 N*J	**2.8**

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 1

Soil/Fill Characterization Data
SS-1 and SS-2 Areas

Final Engineering Report
Colgate Avenue Site
Ameron International Corporation

PARAMETER[1]	Sample Location		
	SS - 1	SS - 2	SCO RESTRICTED-COMMERCIAL (ppm)[2]
Nickel	18.2 EJ	16.4 EJ	**310**
TAL Metals (mg/kg)			
Potassium	748	996	**--**
Selenium	1.8 B	1.7 B	**1500**
Silver	0.24 B	0.14 B	**1500**
Sodium	286 B	129 B	**--**
Thallium	0.62 B	0.62 B	**--**
Vanadium	15.5 NE*J	17.7 NE*J	**--**
Zinc	2280 NE*J	359 NE*J	**10000**
Wet Chemistry Analysis (units as indicated)			
Leachable pH (S.U.)	7.6 J	7.7 J	
Total Organic Carbon (mg/kg)	NA	NA	
Pesticides (mg/kg)			
alpha - BHC	ND	0.01 J	**3.4**
Heptachlor	0.014 J	ND	**15**
Heptachlor epoxide	ND	ND	**--**
4,4' - DDE	0.13 J	0.085 PJ	**62**
Endrin	0.03 JPN	0.018 JPN	**89**
Endosulfan Sulfate	ND	ND	**200**
4,4' - DDT	ND	0.22 P	**47**
Methoxychlor	ND	ND	**--**
Total Pesticides (mg/kg)	***0.174 JP***	***0.333 JP***	
PCB Aroclor (mg/kg)			
Aroclor 1254	**3.1 P**	**1.4**	**1**
Aroclor 1260	**3.8**	**1.4 P**	**1**

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds
2. Values per NYSDEC Part 375 Restricted Use Soil Cleanup Objectives for Protection of Human Health

Definitions:

ND = Parameter not detected above laboratory detection limit.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
b = Analyte was detected in the associated blank as well as in the sample. Value is above the action level for consideratio
B = Value is between the IDL and the CRDL.
* = Indicates analysis is not within quality control limits.
D = All compounds were identified in an analyisis at the secondary dilution factor.
N = Spike sample recovery is not within quality control limits.
E = Indicates value estimated or not reported due to the presence of interferences.
P = Detected concentrations between the two GC columns is greater than 25%; lower value is reported and flagged (for C

BOLD = Analytical result exceeds restricted-commercial SCO.

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 2

Soil/Fill Characterization Data
SB-3 and SB-5 Areas

Final Engineering Report
Colgate Avenue Site
Ameron International Corporation

PARAMETER	Sample Location and Depth				SCO RESTRICTED-COMMERCIAL (ppm)[1]
	SB-3 (0.5-1.0)	SB-3 (1.0-1.5)	SB-5 (0.5-1.0)	SB-5 (1.0-1.5)	
Total Metals (mg/kg)					
Lead	**50300 E*J**	294 E*J	**3420 E*J**	**1430 E*J**	**1000**
PCBs (mg/kg)					
Aroclor 1254	ND	ND	0.27 J	0.062	**1**
Aroclor 1260	ND	ND	ND	ND	**1**

Notes:

1. Values per NYSDEC Part 375 Restricted Use Soil Cleanup Objectives for Protection of Human Health

Definitions:

ND = Parameter not detected above laboratory detection limit.

* = Indicates analysis is not within quality control limits.

E = Indicates value estimated or not reported due to the presence of interferences.

BOLD = Analytical result exceeds restricted-commercial SCO.

TABLE 3

Leachable Lead Results
for
Waste Profile

Final Engineering Report
Colgate Avenue Site

Ameron International Corporation

PARAMETER[1]	Sample Location								TCLP Limit (mg/L)[2]
	TCLP - Untreated				TCLP - Stabilization Test[1]			TCLP - Treated[1]	
	SS-1	SS-2	SB-3	SB-5	SB-3 (3%)	SB-3 (4%)	SB-3 (5%)	SB-3 (3%)	
Lead (mg/L)	0.494 B	3.12 B	**5.49**	0.706	0.15 B	0.0768 B	**7.19 B**	2.09	**5**

Notes:

1. Treated with Portland Cement. Based on results soil from SB-3 area was treated in-place with 3% Portland by weight prior to excavation
2. Toxicity Charactoristic Leaching Procedure Limit per 40 CFR Part 261

Definitions:

B = analyte was detected in associated Method Blank.

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 4

Topsoil Borrow Source Characterization Data

Final Engineering Report
Colgate Avenue Site
Ameron International Corporation

PARAMETER[1]	R.E. Lorenz Stockpile: Toposil Borrow Source Result	SCO Restricted Commercial (ppm)[2]
TCL VOCs (mg/kg) - NOT DETECTED		
TCL SVOCs (mg/kg)		
4 - Methylphenol	0.022 J	**1000**
Benzo (a) anthracene	0.079 J	**5.6**
Benzo (a) pyrene	0.1 J	**1**
Benzo (b) fluoranthene	0.11 J	**5.6**
Benzo (g,h,i) perylene	0.074 J	**500**
Benzo (k) fluoranthene	0.05 J	**56**
Chrysene	0.081 J	**56**
Dibenzo (a,h) anthracene	0.017 J	**0.56**
Fluoranthene	0.12 J	**500**
Indeno (1,2,3 - cd) pyrene	0.059 J	**5.6**
Phenanthrene	0.036 J	**500**
Pyrene	0.12 J	**500**
TAL Metals & Cyanide (mg/kg)		
Aluminum	11600.0	**--**
Arsenic	4.1	**16**
Barium	81.2	**400**
Beryllium	0.464	**590**
Calcium	3400.0	**--**
Chromium	13.2	**1500**
Cobalt	6.77	**--**
Copper	9.2	**270**
Iron	17200	**--**
Lead	24.9	**1000**
Magnesium	2950	**--**
Manganese	421	**10000**
Mercury	0.0458	**2.8**
Nickel	12.1	**310**
Potassium	916.0	**--**
Vanadium	23.7	**--**
Zinc	68.7	**10000**
Pesticides & Herbicides (mg/kg)		
4,4' - DDE	0.32 J	**62**
4,4' - DDT	1.2 J	**47**
PCB Aroclor (mg/kg) - NOT DETECTED		

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Part 375 Restricted Use Soil Cleanup Objectives for Protection of Human Health

Definitions:

J = Estimated value; result is less than the sample quantitation limit but greater than zero.

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 5a

SUMMARY OF REMAINING SOIL/FILL CONCENTRATIONS ABOVE UNRESTRICTED USE SCOs[1]

Final Engineering Report
Colgate Avenue Site
Ameron International Corporation

PARAMETER[1]	TP - 2 (0.0 - 3.0)	TP - 3 (0.0 - 3.0)	TP - 3 (0.0 - 3.0) Blind Duplicate	TP - 5 (0.0 - 3.0)	TP - 6 (0.0 - 2.5)	TP- 7 (0.0 - 2.5)	SB-1 (0.5-1.0)	SB-2 (0.5-1.0)	SB-2 (1.0-1.5)	SB-4 (0.5-1.0)	SB-4 (1.0-1.5)	SB-6 (0.5-1.0)	SCO UNRESTRICTED (ppm)[2]
TCL VOCs (mg/kg)													
Acetone	ND	ND	ND	**0.084**	0.005 J	ND	-	-	-	-	-	-	**0.05**
TOTAL Xylenes	**8.8**	ND	ND	0.004 J	ND	ND	-	-	-	-	-	-	**0.26**
Total VOCs (mg/kg)	***9.22 J***	***0***	***0***	***0.111 J***	***0.012 J***	***0***							
TCL SVOCs (mg/kg)													
Benzo (a) anthracene	0.17 J	0.19 J	0.13 J	0.24 J	**1.1**	0.74	-	-	-	-	-	-	**1**
Chrysene	0.22 J	0.19 J	0.13 J	0.42 J	**1.3**	0.66	-	-	-	-	-	-	**1**
Benzo (b) fluoranthene	0.48 J	0.36 J	0.32 J	**1.1 J**	**3.4 J**	**1.2 J**	-	-	-	-	-	-	**1**
Benzo (k) fluoranthene	0.12 J	0.076 J	0.3 J	**1 J**	**0.93 J**	0.32 J	-	-	-	-	-	-	**0.8**
Benzo (a) pyrene	0.23 J	0.19 J	0.13 J	0.21 J	**1.5**	0.63	-	-	-	-	-	-	**1**
Indeno (1,2,3 - cd) pyrene	0.16 J	0.088 J	0.073 J	0.22 J	**1.2**	0.28 J	-	-	-	-	-	-	**0.5**
Total SVOCs (mg/kg)	***2.63***	***2.19***	***1.98***	***10.01***	***577.4***	***9.81***							
TAL Metals (mg/kg)													
Cadmium	0.35 BE	0.84 BE	0.14 BE	ND	0.23 BE	**2.8 E**	-	-	-	-	-	-	**2.5**
Chromium	24.1 NE*J	13.5 NE*J	9.2 NE*J	**295 NE*J**	12.8 NE*J	**101 NE*J**	-	-	-	-	-	-	**30**
Lead	60 E*	**74.1 E***	**64.8 E***	**108 E***	48.2 E*	**224 E***	**65.2 E*J**	**844 E*J**	**476 E*J**	**227 E*J**	**171 E*J**	**293 E*J**	**63**
Manganese	1430 E*J	296 E*J	157 E*J	**12400 E*J**	322 E*J	**2570 E*J**	-	-	-	-	-	-	**1600**
Selenium	2.4 B	2.5 B	1.8 B	**6.8**	2.4 B	**4.5 B**	-	-	-	-	-	-	**3.9**
Zinc	**217 NE*J**	**161 NE*J**	**136 NE*J**	**120 NE*J**	108 NE*J	**485 NE*J**	-	-	-	-	-	-	**109**
PCB Aroclor (mg/kg)													
Aroclor 1254	**0.16 JP**	**0.61 P**	ND	ND	ND	ND	**0.36**	ND	ND	ND	ND	**0.59 J**	**0.1**
Aroclor 1260	ND	ND	ND	ND	ND	ND	**0.23**	ND	ND	ND	ND	ND	**0.1**

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

Definitions:

ND = Parameter not detected above laboratory detection limit.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
b = Analyte was detected in the associated blank as well as in the sample. Value is above the action level for consideration as being external contamination.
B = Value is between the IDL and the CRDL.
* = Indicates analysis is not within quality control limits.
D = All compounds were identified in an analyisis at the secondary dilution factor.
N = Spike sample recovery is not within quality control limits.
E = Indicates value estimated or not reported due to the presence of interferences.
P = Detected concentrations between the two GC columns is greater than 25%; lower value is reported and flagged (for CLP methodology only).
BOLD = Analytical result exceeds unrestricted use SCO.

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 5b

SUMMARY OF REMAINING SOIL/FILL CONCENTRATIONS ABOVE COMMERCIAL SCOs[1]

Final Engineering Study Report
Colgate Avenue Site
Ameron International Corporation

PARAMETER[1]	TP - 5 (0.0 - 3.0)	TP - 6 (0.0 - 2.5)	SCO RESTRICTED-COMMERCIAL (ppm)[2]
TCL SVOCs (mg/kg)			
Benzo (a) pyrene	0.21 J	**1.5**	**1**
TAL Metals (mg/kg)			
Manganese	**12400 E*J**	322 E*J	**10000**

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.

2. Values per NYSDEC Part 375 Restricted Use Soil Cleanup Objectives for Protection of Human Health

Definitions:

J = Estimated value; result is less than the sample quantitation limit but greater than zero.

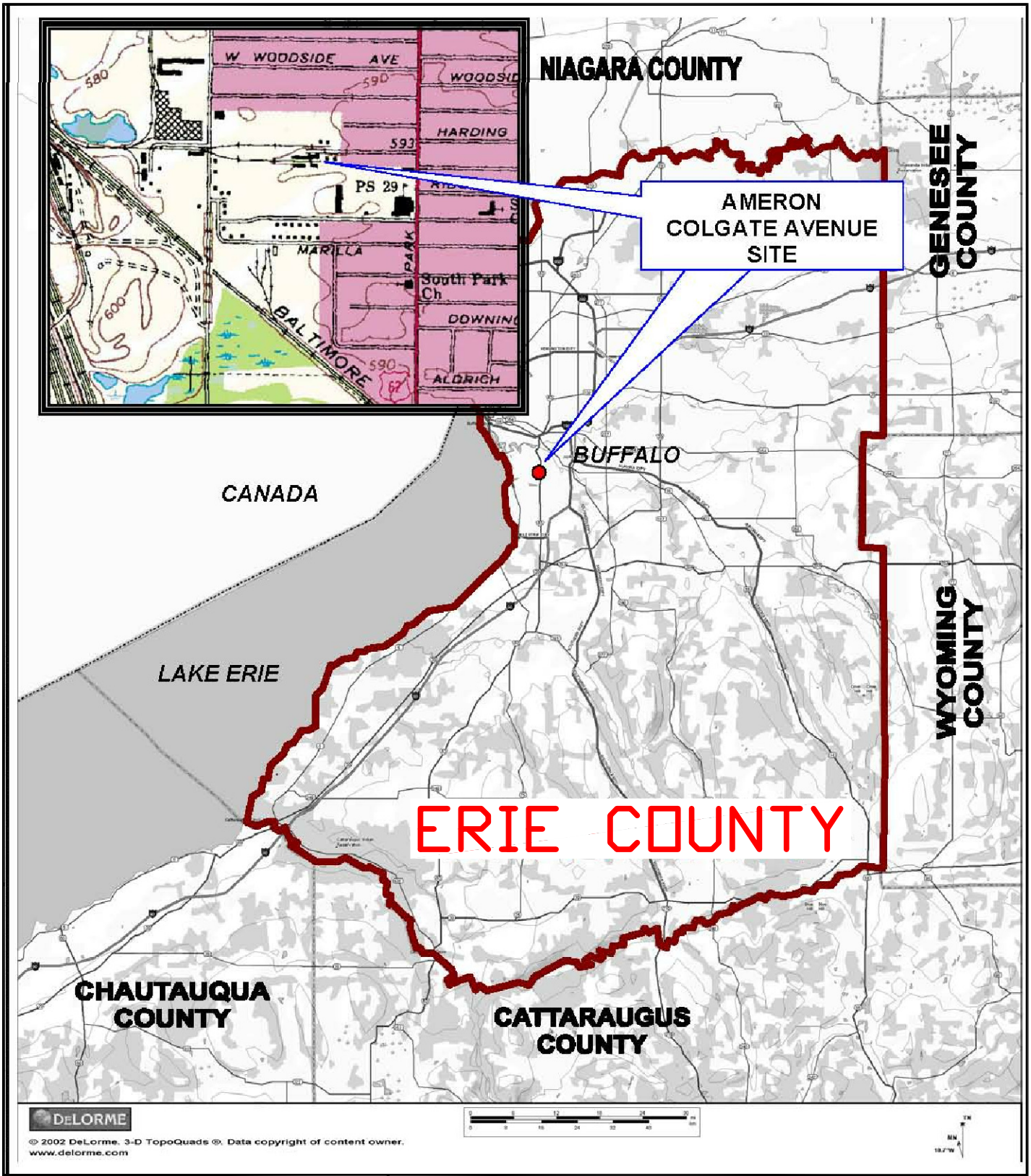
E = Indicates value estimated or not reported due to the presence of interferences.

BOLD = Result exceeds restricted-commercial SCO.

FIGURES

F:\CAD\Benchmark\Ameron International\Colgate Avenue\Final Engineering Report\Figure 1; Site Location and Vicinity Map.dwg

FIGURE 1



BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
2558 HAMBURG TURNPIKE
SUITE 300
LACKAWANNA, NY 14218
(716) 856-0599

PROJECT NO.: 0100-001-200

DATE: DECEMBER 2010

DRAFTED BY: AJZ/JCT

SITE LOCATION AND VICINITY MAP

FINAL ENGINEERING REPORT

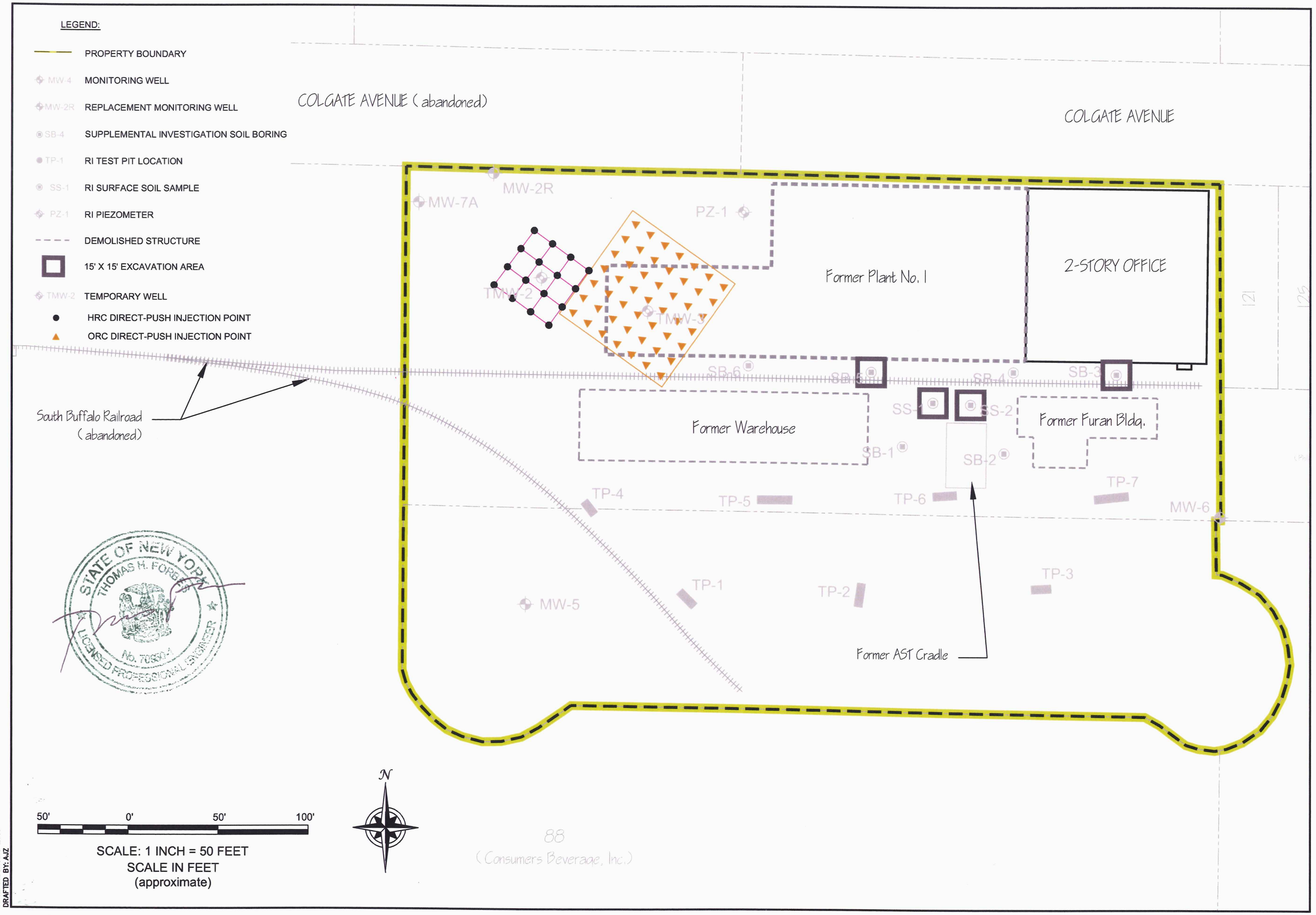
COLGATE AVENUE SITE
BUFFALO, NEW YORK

PREPARED FOR
AMERON INTERNATIONAL

F:\CAD\Benchmark\Ameron International\Colgate Avenue\Final Engineering Report\Figure 2; Excavation Plan.dwg

LEGEND:

- PROPERTY BOUNDARY
- MW-4 MONITORING WELL
- MW-2R REPLACEMENT MONITORING WELL
- SB-4 SUPPLEMENTAL INVESTIGATION SOIL BORING
- TP-1 RI TEST PIT LOCATION
- SS-1 RI SURFACE SOIL SAMPLE
- PZ-1 RI PIEZOMETER
- DEMOLISHED STRUCTURE
- 15' X 15' EXCAVATION AREA
- TMW-2 TEMPORARY WELL
- HRC DIRECT-PUSH INJECTION POINT
- ORC DIRECT-PUSH INJECTION POINT



STATE OF NEW YORK
THOMAS H. FORBES
LICENSED PROFESSIONAL ENGINEER
No. 70934-1

50' 0' 50' 100'

SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)

N

DATE: FEBRUARY 2010
DRAFTED BY: AJZ

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NEW YORK 14218
(716) 856-0599

JOB NO.: 0100-001-200

FOCUSED REMEDIAL PLAN

FINAL ENGINEERING REPORT

COLGATE AVENUE SITE
BUFFALO, NEW YORK

PREPARED FOR
AMERON INTERNATIONAL

FIGURE 2

F:\CAD\Benchmark\Ameron International\Colgate Avenue\Final Engineering Report\Figure 3; Site Excavation Limits.dwg

LEGEND:

- PROPERTY BOUNDARY
- MW-4 MONITORING WELL
- MW-2R REPLACEMENT MONITORING WELL
- SB-4 SUPPLEMENTAL INVESTIGATION SOIL BORING
- TP-1 RI TEST PIT LOCATION
- SS-1 RI SURFACE SOIL SAMPLE
- PZ-1 RI PIEZOMETER
- DEMOLISHED STRUCTURE
- 15' X 15' EXCAVATION AREA

COLGATE AVENUE (abandoned)

COLGATE AVENUE

FORMER LOADING DOCK AREA BACKFILLED WITH APPROVED TOPSOIL FOR AESTHETIC PURPOSES

MW-2R

MW-7A

PZ-1

Former Plant No. 1

2-STORY OFFICE

AREA EXCAVATED TO A DEPTH OF 2 FEET & BACKFILLED WITH APPROVED TOPSOIL

AREAS EXCAVATED TO A DEPTH OF 1.5 FEET & BACKFILLED WITH APPROVED TOPSOIL

SB-6 SB-3 SB-4 SB-5

SS-1 SS-2

Former Warehouse

Former Furan Bldg.

SB-1 SB-2

TP-4 TP-5 TP-6 TP-7

MW-6

Former AST Cradle

TP-1 TP-2 TP-3

MW-5

AREA EXCAVATED AN ADDITIONAL 8 FEET TO THE SOUTH, TO ACCOMMODATE RAIL TIES,& BACKFILLED WITH APPROVED TOPSOIL

South Buffalo Railroad (abandoned)

121

125

88 (Consumers Beverage, Inc.)

STATE OF NEW YORK THOMAS H. FORBES LICENSED PROFESSIONAL ENGINEER

50' 0' 50' 100'

SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)

N

NOTES

1) ALL AREAS SEEDED WITH DEC APPROVED SEED MIX AFTER TOPSOIL RESTORATION.

DATE: DECEMBER 2010
DRAFTED BY: AJZ/JCT

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NEW YORK 14218
(716) 856-0599

JOB NO.: 0100-001-200

SITE EXCAVATION LIMITS

FINAL ENGINEERING REPORT

COLGATE AVENUE SITE
BUFFALO, NEW YORK

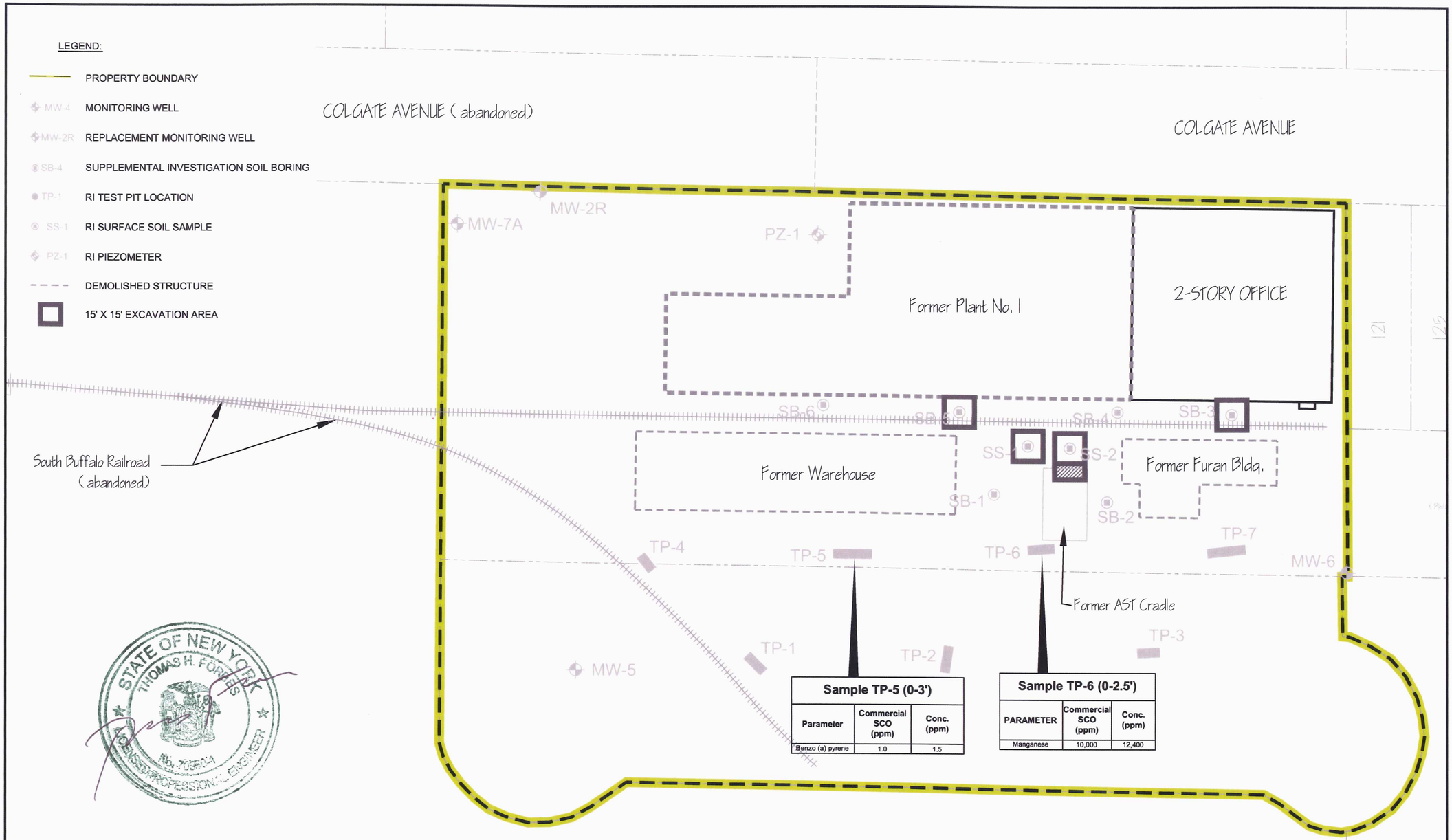
PREPARED FOR
AMERON INTERNATIONAL

FIGURE 3

F:\CAD\Benchmark\Ameron International\Colgate Avenue\Final Engineering Report\Figure 4; Remaining Areas of Elevated Soil-Fill.dwg

LEGEND:

- PROPERTY BOUNDARY
- MW-4 MONITORING WELL
- MW-2R REPLACEMENT MONITORING WELL
- SB-4 SUPPLEMENTAL INVESTIGATION SOIL BORING
- TP-1 RI TEST PIT LOCATION
- SS-1 RI SURFACE SOIL SAMPLE
- PZ-1 RI PIEZOMETER
- DEMOLISHED STRUCTURE
- 15' X 15' EXCAVATION AREA



Sample TP-5 (0-3')

Parameter	Commercial SCO (ppm)	Conc. (ppm)
Benzo (a) pyrene	1.0	1.5

Sample TP-6 (0-2.5')

PARAMETER	Commercial SCO (ppm)	Conc. (ppm)
Manganese	10,000	12,400

STATE OF NEW YORK
THOMAS H. FORBES
No. 72650-1
LICENSED PROFESSIONAL ENGINEER

50' 0' 50' 100'

SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)

N

NOTES

1) ONLY AREAS AND PARAMETERS REPORTED ABOVE COMMERCIAL SOIL CLEANUP OBJECTIVES ARE IDENTIFIED.

DATE: DECEMBER 2010
DRAFTED BY: AJZ/JCT

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NEW YORK 14218
(716) 856-0599

JOB NO.: 0100-001-200

REMAINING AREAS OF SOIL/FILL ABOVE SCOs

FINAL ENGINEERING REPORT

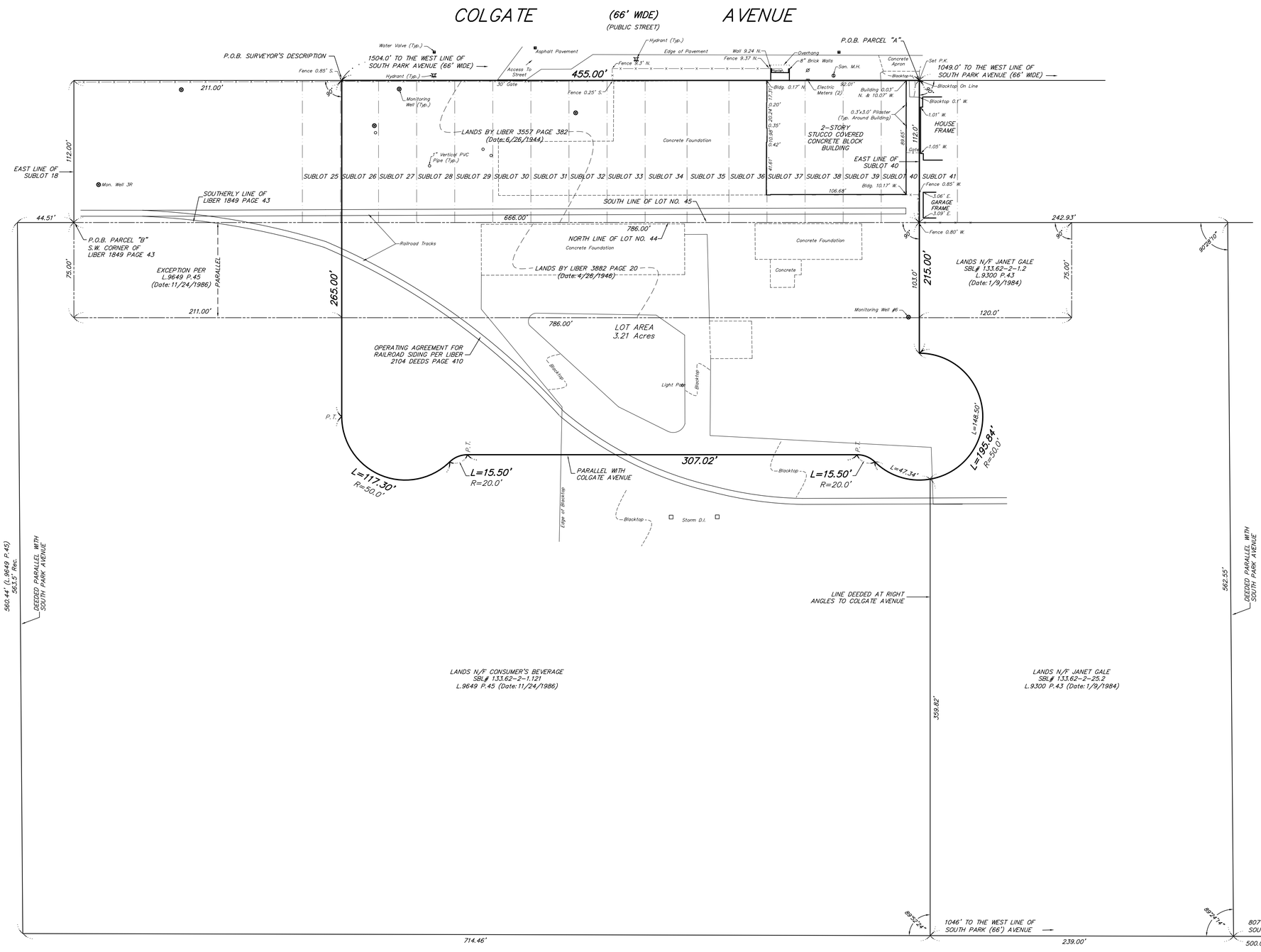
COLGATE AVENUE SITE
BUFFALO, NEW YORK

PREPARED FOR
AMERON INTERNATIONAL

FIGURE 4

APPENDIX A

SURVEY MAP & METES AND BOUNDS



GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

LEGAL DESCRIPTION

PER CHICAGO TITLE INSURANCE COMPANY COMMITMENT #5009-25131
EFFECTIVE DATE: March 10, 2012

Parcel A (119 Colgate)

ALL THAT TRACT OR PARCEL OF LAND situate in the City of Buffalo, County of Erie and State of New York, known as lots numbers 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38,39 and 40, inclusive, in Block "F", as laid out and described on a certain map showing subdivision of part of the Howard Estate Lands in Lot 45, Township 10, Range 8, made by Dennison Fairchild, C.E., November 13, 1906 and filed in the Erie County Clerk's Office under Cover No, 782, more particularly described as follows;

COMMENCING at the point of intersection of the south line of Colgate Avenue with the east line of subdivision lot number 40 aforesaid, which point of commencement is 1049 feet westerly from the westerly line of South Park Avenue; running thence southerly along the easterly line of Subdivision Lot number 40 and substantially at right angles to Colgate Avenue 112 feet to the southerly line of Lot 45; thence westerly and along the southerly line of Lot 45, 666 feet to the easterly line of Subdivision lot number 18; thence northerly along the easterly line of Subdivision lot number 18, 112 feet to the south line of Colgate Avenue; thence easterly and along the south line of Colgate Avenue 666 feet to the point or place of beginning.

Parcel B (119 Colgate)

ALL THAT TRACT OR PARCEL OF LAND situate in the City of Buffalo, County of Erie and State of New York, being part of Lot No. 44, Township 10, Range 8 of the Buffalo Creek Reservation more particularly described as follows:

BEGINNING at the southwest corner of the land conveyed to the Consolidated Battery Company, Inc., by Armin W. Brand and Francis E. Stevens as and composing the copartnership known and doing business under the name of Brand and Stevens, by deed dated July 15, 1925, and recorded in the office of the Erie County Clerk in Liber 1849 of Deeds at page 43 on July 27, 1925; thence easterly along the southerly line and said southerly line extended of the lands so conveyed to the Consolidated Battery Company Inc., 786 feet; thence southerly at right angles to the said southerly line and said southerly line extended of the lands so conveyed to the Consolidated Battery Co. Inc. 75 feet; thence westerly along a line parallel to the said southerly line and said southerly line extended of the lands so conveyed to the Consolidated Battery Co. Inc and distant 75 feet southerly therefrom 786 feet; thence northerly 75 feet to the place of beginning.

EXCEPTING THEREFROM that part conveyed by deed recorded in the Erie County Clerk's Office in Liber 9649 of Deeds at page 45.

Parcel C (113 Colgate)

ALL THAT TRACT OR PARCEL OF LAND, situate in the City of Buffalo, County of Erie and State of New York, being part of Lot No. 44, Township 10, Range 8 of the Buffalo Creek Reservation, and being more particularly described as follows:

BEGINNING at a point in the northerly line of Okell Street, distance 307 feet west of the westerly line of South Park Avenue; running thence northerly parallel with said South Park Avenue, 563.5 feet to a point in the north line of Lot No. 44; running thence westerly along said north line of Lot no. 44, 1453.48 feet to a point in a line drawn parallel with the aforementioned South Park Avenue; running thence southerly, 563.5 feet on a line drawn parallel with South Park Avenue to Okell Street; running thence easterly along the north line of Okell Street 1453.48 feet to the point or place of beginning.

EXCEPTING THEREFROM lands conveyed by deed recorded in the Erie County Clerk's Office in Liber 9300 of Deeds at page 43.

ALSO EXCEPTING THEREFROM lands conveyed by deed recorded in the Erie County Clerk's Office in Liber 9649 of Deeds at page 45.

This parcel intending to contain 3.21 Acres more or less.

EASEMENTS / AGREEMENTS

PER SCHEDULE "B" CHICAGO TITLE INSURANCE COMPANY COMMITMENT #5009-25131

5. Agreement for railroad side track made by Consolidated Battery Company Inc. with Wilkeson-Harding Inc. dated September 10, 1930 and recorded September 10, 1930 in Liber 2104 of Deeds at page 410.

SURVEYOR'S LEGAL DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND, Situate in the City of Buffalo, County of Erie and State of New York, being part of Lots 44 and 45, Township 10, Range 8 of Buffalo Creek Reservation and more particularly bounded and described as follows:

Beginning at a point in the south line of Colgate Avenue 1504.0 feet west of the intersection of the south line of Colgate Avenue and west line of South Park Avenue; thence southerly at right angle's to Colgate Avenue 265.0 feet; thence southeast on a curve to the left tangent to the last described line and having a radius of 50 feet an arc length of 117.30 feet; thence on a reverse curve to the right having a radius of 20.0 feet an arc length of 15.50 feet; thence east on a line tangent to the last described curve and parallel with Colgate Avenue 307.02 feet; thence on a curve to the right tangent to the last described course having a radius of 20.0 feet an arc length of 15.50 feet; thence on a reverse curve to the left, having a radius of 50.0 feet an arc length of 195.84 feet to a point; thence northerly along a line at right angles to Colgate Avenue a distance of 215.00 feet to a point on the south line of said Colgate Avenue; thence west and along the said south line of Colgate Avenue, a distance of 455.00 feet to the point or place of beginning.

ENVIRONMENTAL EASEMENT AREA DESCRIPTION

DEC Site number 915133

SAME AS THE SURVEYOR'S LEGAL DESCRIPTION
This parcel intending to contain 3.21 Acres more or less.

THE ENGINEERING AND INSTUTIONAL CONTROLS FOR THIS EASEMENT ARE SET FORTH IN THE SITE MANAGEMENT PLAN (SMP). A COPY OF THE SMP MUST BE OBTAINED BY ANY PARTY WITH AN INTEREST IN THE PROPERTY. THE SMP CAN BE OBTAINED FROM NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DIVISION OF ENVIRONMENTAL CONSERVATION, DIVISION OF ENVIRONMENTAL REMEDIATION, SITE CONTROL SECTION, 625 BROADWAY, ALBANY, N.Y. 12233 OR AT derweb@gw.dec.state.ny.us

LEGEND

UTILITY / SERVICE POLE	R.O.W. RIGHT OF WAY
WATER LINE VALVE	CONC. CONCRETE
FIRE HYDRANT	INV. INVERT
D.I. (DROP INLET – STORM)	M.H. MANHOLE
MANHOLE (STORM)	GAS LINE
MANHOLE (ELECTRIC)	WATER LINE
MANHOLE (TRAFFIC)	TELEPHONE LINE
MANHOLE (SANITARY)	ELECTRIC LINE
LDR (LIGHT DUTY RECEIVER – STORM)	UTILITY LINES
BYD (BACKYARD DRAIN INLET – STORM)	CABLE LINES
GAS LINE VALVE	D. DEED
LIGHT STANDARD	M. MEASURED
SIGN	L. LIBER
H.C. HANDICAP	P. PAGE

AMEND: 3-27-12 PER NEW TITLE REPORT
AMEND: 1-31-12 PER COMMENTS

INSTRUMENT(S) UTILIZED IN DETERMINING LOCATION OF BOUNDARY LINES: HEAD OF SEARCH
THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT ABSTRACT OF TITLE AND IS SUBJECT TO ANY STATE OF FACTS THAT MAY BE REVEALED IN SAID ABSTRACT.

I HEREBY CERTIFY TO the People of the State of New York acting through its Commissioner of the Department of Environmental Conservation and to the Chicago Title Insurance Company, THAT THIS SURVEY MAP WAS PREPARED IN ACCORDANCE WITH THE CURRENT STANDARD FOR LAND SURVEYS ADOPTED BY THE ERIE COUNTY BAR ASSOCIATION. THIS CERTIFICATION SHALL EXTEND ONLY TO THE ENTITIES LISTED HEREON AND TO THE SUCCESSORS AND/OR ASSIGNEES OF THE LENDING INSTITUTION. THIS CERTIFICATION IS NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS OTHER THAN STATED ABOVE.

FRANCIS E. DELLES NYSPLS No. 050477

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Millard, MacKay & Delles
LAND SURVEYORS, LLP
150 AERO DRIVE
BUFFALO, NEW YORK 14225
PHONE (716) 631-5140 ~ FAX 631-3811

SUBLOTS 26 THROUGH 40 INCLUSIVE, BLOCK "F" ~ MAP COVER 782 AND MORE

PART OF LOT 44&45 SECTION ____ TOWNSHIP 10 RANGE 8 OF THE: Buffalo Creek Reservation SURVEY – Erie COUNTY, N.Y.

SURVEY OF: 113 & 119 Colgate Avenue, City of Buffalo

AMEND:
SURVEY DATE: 10-25-10
©DRAWING DATE: 10-27-10
SCALE: 1" = 40'
"ALL RIGHTS RESERVED"
THIS MAP VOID UNLESS EMBOSSED WITH NEW YORK STATE LICENSED LAND SURVEYOR'S SEAL. ALTERING ANY ITEM ON THIS MAP IS A VIOLATION OF THE LAW EXCEPT AS PROVIDED IN SECTION 7209, PART 2, OF THE NEW YORK STATE EDUCATION LAW.
SBL No. 133.62-2-1.11&25.11

APPENDIX B

DIGITAL COPY OF THE FER (CD)

APPENDIX C

ANALYTICAL DATA – TCLP TESTING AND POST-STABILIZATION RESULTS

Analytical Report

Work Order: RTF0383

Project Description

Benchmark - Colgate Ave. (Ameron) site

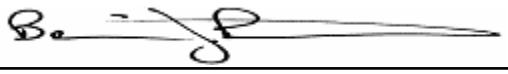
For:

Tom Forbes

Benchmark Environmental & Engineering Science

2558 Hamburg Turnpike, Suite 300

Lackawanna, NY 14218



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Wednesday, June 9, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Persuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTF0383

Project: Benchmark - Colgate Ave. (Ameron) site
Project Number: TURN

Received: 06/02/10
Reported: 06/09/10 16:09

TestAmerica Buffalo
Current Certifications

As of 04/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA,CLP	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA,RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA,RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTF0383

Project: Benchmark - Colgate Ave. (Ameron) site
Project Number: TURN

Received: 06/02/10
Reported: 06/09/10 16:09

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTF0383

Project: Benchmark - Colgate Ave. (Ameron) site
Project Number: TURN

Received: 06/02/10
Reported: 06/09/10 16:09

DATA QUALIFIERS AND DEFINITIONS

NR Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTF0383

Project: Benchmark - Colgate Ave. (Ameron) site
Project Number: TURN

Received: 06/02/10
Reported: 06/09/10 16:09

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF0383-01 (SB-1 - Solid)				**Sampled: 06/01/10 14:00**			**Recvd: 06/02/10 12:50**		
TCLP Metals									
Lead	**0.118**		0.0050	mg/L	1.00	06/08/10 03:17	DAN	10F0535	6010B TCLP
Sample ID: RTF0383-02 (SB-2 - Solid)				**Sampled: 06/01/10 14:15**			**Recvd: 06/02/10 12:50**		
TCLP Metals									
Lead	**0.0446**		0.0050	mg/L	1.00	06/08/10 03:22	DAN	10F0535	6010B TCLP
Sample ID: RTF0383-03 (SB-3 - Solid)				**Sampled: 06/01/10 14:30**			**Recvd: 06/02/10 12:50**		
TCLP Metals									
Lead	**5.49**		0.0050	mg/L	1.00	06/08/10 03:27	DAN	10F0535	6010B TCLP
Sample ID: RTF0383-04 (SB-5 - Solid)				**Sampled: 06/01/10 14:45**			**Recvd: 06/02/10 12:50**		
TCLP Metals									
Lead	**0.706**		0.0050	mg/L	1.00	06/08/10 03:32	DAN	10F0535	6010B TCLP

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Work Order: RTF0383

Project: Benchmark - Colgate Ave. (Ameron) site
Project Number: TURN

Received: 06/02/10
Reported: 06/09/10 16:09

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
SB-1	RTF0383-01	Solid	06/01/10 14:00	06/02/10 12:50	
SB-2	RTF0383-02	Solid	06/01/10 14:15	06/02/10 12:50	
SB-3	RTF0383-03	Solid	06/01/10 14:30	06/02/10 12:50	
SB-5	RTF0383-04	Solid	06/01/10 14:45	06/02/10 12:50	

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Work Order: RTF0383

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Reported: 06/09/10 16:09

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF0383-01 (SB-1 - Solid)					**Sampled: 06/01/10 14:00**		**Recvd: 06/02/10 12:50**		
TCLP Metals									
Lead	**0.118**		0.0050	mg/L	1.00	06/08/10 03:17	DAN	10F0535	6010B TCLP

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Project: Benchmark - Colgate Ave. (Ameron) site
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Reported: 06/09/10 16:09

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF0383-02 (SB-2 - Solid)					**Sampled: 06/01/10 14:15**			**Recvd: 06/02/10 12:50**	
TCLP Metals									
Lead	**0.0446**		0.0050	mg/L	1.00	06/08/10 03:22	DAN	10F0535	6010B TCLP

Benchmark Environmental & Engineering Science
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Work Order: RTF0383

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Project Number: TURN

Received: 06/02/10
Reported: 06/09/10 16:09

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF0383-03 (SB-3 - Solid)					**Sampled: 06/01/10 14:30**		**Recvd: 06/02/10 12:50**		
TCLP Metals									
Lead	**5.49**		0.0050	mg/L	1.00	06/08/10 03:27	DAN	10F0535	6010B TCLP

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTF0383-04 (SB-5 - Solid)					**Sampled: 06/01/10 14:45**			**Recvd: 06/02/10 12:50**	
TCLP Metals									
Lead	**0.706**		0.0050	mg/L	1.00	06/08/10 03:32	DAN	10F0535	6010B TCLP

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
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Received: 06/02/10
Reported: 06/09/10 16:09

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
TCLP Metals									
6010B TCLP	10F0535	RTF0383-01	50.00	mL	50.00	mL	06/07/10 12:55	JRK	3010A
6010B TCLP	10F0535	RTF0383-02	50.00	mL	50.00	mL	06/07/10 12:55	JRK	3010A
6010B TCLP	10F0535	RTF0383-03	50.00	mL	50.00	mL	06/07/10 12:55	JRK	3010A
6010B TCLP	10F0535	RTF0383-04	50.00	mL	50.00	mL	06/07/10 12:55	JRK	3010A

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
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Work Order: RTF0383

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Reported: 06/09/10 16:09

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
TCLP Metals										
Blank Analyzed: 06/08/10 (Lab Number:10F0535-BLK1, Batch: 10F0535)										
Lead			0.0050	mg/L	ND					
Blank Analyzed: 06/08/10 (Lab Number:10F0535-BLK2, Batch: 10F0535)										
Lead			0.0050	mg/L	ND					
LCS Analyzed: 06/08/10 (Lab Number:10F0535-BS1, Batch: 10F0535)										
Lead		1.00	0.0050	mg/L	1.02	102	80-120			

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt ______

Drinking Water? Yes ☐ No ☑

TAL-4124 (1007)

Client: Benchmark Env Eng & Sci, PLLC	Project Manager: Tom Forbes	Date: 6/1/10	Chain of Custody Number: 166245
Address: 2558 Hamburg Turnpike	Telephone Number (Area Code)/Fax Number: 716-856-0599/0583	Lab Number:	Page 1 of 1
City: Lackawanna State: NY Zip Code: 14218	Site Contact: R. Dobsz Lab Contact: B. Fischer		
Project Name and Location (State): Ampron	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	TCLP Lead	Special Instructions/ Conditions of Receipt
SB-1	6/1/10	1400				X		X						✓	
SB-2	↓	1415				X		X						✓	
SB-3	↓	1430				X		X						✓	
SB-5	↓	1445				X		X						✓	

Matrix: Air, Aqueous, Sed., Soil. Containers & Preservatives: Unpres., H2SO4, HNO3, HCl, NaOH, ZnAc/NaOH. Analysis (Attach list if more space is needed): TCLP Lead.

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other Standard

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	6/1/10	1530	1. Received By: [signature]	06-02-10	12:00
2. Relinquished By: [signature]	06-02-10	12:50	2. Received By: [signature]	6/2/10	1250
3. Relinquished By:			3. Received By:		

Comments: 1.8 °C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Analytical Report

Work Order: RTH0557

Project Description

Benchmark - Colgate Ave. (Ameron) site

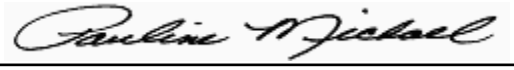
For:

Tom Forbes

Benchmark Environmental & Engineering Science

2558 Hamburg Turnpike, Suite 300

Lackawanna, NY 14218



Pauline Michael For Brian Fischer

Project Manager

pauline.michael@testamericainc.com

Tuesday, August 17, 2010

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Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH0557

Project: Benchmark - Colgate Ave. (Ameron) site
Project Number: TURN

Received: 08/06/10
Reported: 08/17/10 15:30

TestAmerica Buffalo
Current Certifications

As of 06/17/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire *	NELAP SDWA, CWA	233701
New Jersey *	NELAP,SDWA, CWA, RCRA,	NY455
New York *	NELAP, AIR, SDWA, CWA, RCRA,CLP	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon*	CWA,RCRA	NY200003
Pennsylvania*	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA,RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA,RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for p arameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

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2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH0557

Project: Benchmark - Colgate Ave. (Ameron) site
Project Number: TURN

Received: 08/06/10
Reported: 08/17/10 15:30

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Due to the presence of Lead in the Extractor Blank fluid from which the blank spike is created, Lead is elevated in the blank spike. All samples are below the TCLP regulatory limit for Lead, therefore data is accepted.

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

Benchmark Environmental & Engineering Science
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Work Order: RTH0557

Project: Benchmark - Colgate Ave. (Ameron) site
Project Number: TURN

Received: 08/06/10
Reported: 08/17/10 15:30

DATA QUALIFIERS AND DEFINITIONS

B Analyte was detected in the associated Method Blank.

N1 See case narrative.

NR Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH0557

Project: Benchmark - Colgate Ave. (Ameron) site
Project Number: TURN

Received: 08/06/10
Reported: 08/17/10 15:30

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH0557-01 (SS-1 - Solid)					**Sampled: 08/05/10 10:00**		**Recvd: 08/06/10 13:00**		
TCLP Metals									
Lead	**0.494**	N1, B	0.0050	mg/L	1.00	08/12/10 14:31	DAN	10H0705	6010B TCLP
Sample ID: RTH0557-02 (SS-2 - Solid)					**Sampled: 08/05/10 10:10**		**Recvd: 08/06/10 13:00**		
TCLP Metals									
Lead	**3.12**	N1, B	0.0050	mg/L	1.00	08/12/10 14:36	DAN	10H0705	6010B TCLP
Sample ID: RTH0557-03 (SB-3 3%MIX - Solid)					**Sampled: 08/05/10 13:30**		**Recvd: 08/06/10 13:00**		
TCLP Metals									
Lead	**0.150**	N1, B	0.0050	mg/L	1.00	08/12/10 14:41	DAN	10H0705	6010B TCLP
Sample ID: RTH0557-04 (SB-3 4%MIX - Solid)					**Sampled: 08/05/10 14:00**		**Recvd: 08/06/10 13:00**		
TCLP Metals									
Lead	**0.0768**	N1, B	0.0050	mg/L	1.00	08/12/10 14:46	DAN	10H0705	6010B TCLP
Sample ID: RTH0557-05 (SB-3 5%MIX - Solid)					**Sampled: 08/05/10 14:30**		**Recvd: 08/06/10 13:00**		
TCLP Metals									
Lead	**7.19**	N1, B	0.0050	mg/L	1.00	08/12/10 15:05	DAN	10H0705	6010B TCLP

Benchmark Environmental & Engineering Science
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Work Order: RTH0557

Project: Benchmark - Colgate Ave. (Ameron) site
Project Number: TURN

Received: 08/06/10
Reported: 08/17/10 15:30

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
SS-1	RTH0557-01	Solid	08/05/10 10:00	08/06/10 13:00	
SS-2	RTH0557-02	Solid	08/05/10 10:10	08/06/10 13:00	
SB-3 3%MIX	RTH0557-03	Solid	08/05/10 13:30	08/06/10 13:00	
SB-3 4%MIX	RTH0557-04	Solid	08/05/10 14:00	08/06/10 13:00	
SB-3 5%MIX	RTH0557-05	Solid	08/05/10 14:30	08/06/10 13:00	

Benchmark Environmental & Engineering Science
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Reported: 08/17/10 15:30

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH0557-01 (SS-1 - Solid)					**Sampled: 08/05/10 10:00**		**Recvd: 08/06/10 13:00**		
TCLP Metals									
Lead	**0.494**	N1, B	0.0050	mg/L	1.00	08/12/10 14:31	DAN	10H0705	6010B TCLP

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Project: Benchmark - Colgate Ave. (Ameron) site
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Reported: 08/17/10 15:30

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH0557-02 (SS-2 - Solid)					**Sampled: 08/05/10 10:10**		**Recvd: 08/06/10 13:00**		
TCLP Metals									
Lead	**3.12**	N1, B	0.0050	mg/L	1.00	08/12/10 14:36	DAN	10H0705	6010B TCLP

Benchmark Environmental & Engineering Science
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH0557-03 (SB-3 3%MIX - Solid)					**Sampled: 08/05/10 13:30**		**Recvd: 08/06/10 13:00**		
TCLP Metals									
Lead	**0.150**	N1, B	0.0050	mg/L	1.00	08/12/10 14:41	DAN	10H0705	6010B TCLP

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH0557-04 (SB-3 4%MIX - Solid)					**Sampled: 08/05/10 14:00**		**Recvd: 08/06/10 13:00**		
TCLP Metals									
Lead	**0.0768**	N1, B	0.0050	mg/L	1.00	08/12/10 14:46	DAN	10H0705	6010B TCLP

Benchmark Environmental & Engineering Science
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Lackawanna, NY 14218

Work Order: RTH0557

Project: Benchmark - Colgate Ave. (Ameron) site
Project Number: TURN

Received: 08/06/10
Reported: 08/17/10 15:30

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH0557-05 (SB-3 5%MIX - Solid)					**Sampled: 08/05/10 14:30**		**Recvd: 08/06/10 13:00**		
TCLP Metals									
Lead	**7.19**	N1, B	0.0050	mg/L	1.00	08/12/10 15:05	DAN	10H0705	6010B TCLP

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH0557

Project: Benchmark - Colgate Ave. (Ameron) site
Project Number: TURN

Received: 08/06/10
Reported: 08/17/10 15:30

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
TCLP Metals									
6010B TCLP	10H0705	RTH0557-01	50.00	mL	50.00	mL	08/11/10 07:30	MDM	3010A
6010B TCLP	10H0705	RTH0557-02	50.00	mL	50.00	mL	08/11/10 07:30	MDM	3010A
6010B TCLP	10H0705	RTH0557-03	50.00	mL	50.00	mL	08/11/10 07:30	MDM	3010A
6010B TCLP	10H0705	RTH0557-04	50.00	mL	50.00	mL	08/11/10 07:30	MDM	3010A
6010B TCLP	10H0705	RTH0557-05	50.00	mL	50.00	mL	08/11/10 07:30	MDM	3010A

Benchmark Environmental & Engineering Science
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH0557

Project: Benchmark - Colgate Ave. (Ameron) site
Project Number: TURN

Received: 08/06/10
Reported: 08/17/10 15:30

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
TCLP Metals										
Blank Analyzed: 08/12/10 (Lab Number:10H0705-BLK1, Batch: 10H0705)										
Lead			0.0050	mg/L	0.249					B
Blank Analyzed: 08/12/10 (Lab Number:10H0705-BLK2, Batch: 10H0705)										
Lead			0.0050	mg/L	ND					
LCS Analyzed: 08/12/10 (Lab Number:10H0705-BS1, Batch: 10H0705)										
Lead		1.00	0.0050	mg/L	1.25	125	80-120			B

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: Benchmark Env Eng & Sci, PLLC	Project Manager: Tom Forbes	Date: 7/5/10	Chain of Custody Number: 166458
Address: 2558 Hamburg Turnpike	Telephone Number (Area Code)/Fax Number: 716-856-0599/0583	Lab Number	Page 1 of 1
City: Buffalo / State: NY / Zip Code: 14218	Site Contact: R. Dibble	Lab Contact: B. Fischer	
Project Name and Location (State): American-Colgate Ave	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: D100-001-200			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): TCLP Pb	Special Instructions/ Conditions of Receipt
SS-1	7/5/10	1000				✓	✓						✓	
SS-2		1010				✓	✓						✓	
SB-3 3% mix		1330				✓	✓						✓	
SB-3 4% mix		1400				✓	✓						✓	
SB-3 5% mix		1430				✓	✓						✓	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 30 Day

QC Requirements (Specify)

	Date	Time
1. Relinquished By	7/5/10	1645
2. Relinquished By	08-05-10	13:00
3. Relinquished By		
1. Received By	08-06-10	12:20
2. Received By	8-6-10	1300
3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Adirondack Environmental Services Inc.®
Experience is the solution
314 North Pearl Street • Albany, New York 12207
(800) 848-4983 • (518) 434-4546 • Fax (518) 434-0891

September 10, 2010

Thomas Forbes
Benchmark EES
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

TEL: (716) 856-0599
FAX: (716) 856-0583

Work Order No: 100908017

RE: Coloak Ave

Dear Thomas Forbes:

Adirondack Environmental Services, Inc received 1 sample on 9/8/2010 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met NELAC specifications, except if noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Tara Daniels
Laboratory Manager

ELAP#: 10709
AIHA#: 100307

Qualifiers:

ND - Not Detected at the Reporting Limit	S - LCS Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits,Estimated	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	T - Tentitively Identified Compound-Estimated Conc.
X - Value exceeds Maximum Contaminant Level	M - Matrix Spike recovery outside limit
H - Hold Time Exceeded	E - Value above quantitation range

All results are wet weight unless otherwise noted

Adirondack Environmental Services, Inc

Date: *10-Sep-10*

CLIENT: Benchmark EES
Project: Coloak Ave

LabWork Order: 100908017
PO#:

Lab SampleID: 100908017-001 **Collection Date:** 9/7/2010
Client Sample ID: Coloak Ave **Matrix:** SOLID

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TCLP METALS - ICP SW1311/6010A (**Prep: SW1311 - 9/8/2010**)						Analyst: **SM**
Lead-TCLP	2.09	0.05		mg/L	1	9/9/2010 11:54:00 AM

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits,Estimated
- B - Analyte detected in the associated Method Blank
- X - Value exceeds Maximum Contaminant Level
- H - Hold Time Exceeded
- S - LCS Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- T - Tentitively Identified Compound-Estimated Conc.
- M - Matrix Spike recovery outside limit
- E - Value above quantitation range

All results are wet weight unless otherwise noted

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Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

AES Work Order # 1009050 17

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: Benchmark Env	Address: 1951 Hamburg Turnpike, Buffalo NY 14218		
Send Report To: Tom Forbes	Project Name (Location) Colgate Ave	Samplers: (Names) JTD	
Client Phone No:	Client Fax No:	PO Number:	Samplers: (Signature)

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	Colgate Ave	9/7/10	1200	A	Solid		✓	1	TCLP Pb
				P					
				A					
				P					
				A					
				P					
				A					
				P					
				A					
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				A					
				P					
				A					
				P					

Shipment Arrived Via: (FedEx) UPS Client AES Other:_____

Turnaround Time Request:
☐ 1 Day ☑ 3 Day ☐ Normal
☐ 2 Day ☐ 5 Day

CC Report To / Special Instructions/Remarks:
Please email Results to:
tforbes@benchmarkturnkey.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by:	Date/Time 9-8-10 11:06AM

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y N	Y N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services Inc.®
Experience is the solution
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TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by credit card are subject to a 3% additional charge.

APPENDIX D

DAILY REPORTS

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

DAILY LOG				
	DATE	9	13	10
	REPORT NO.	1		
	PAGE	1	OF	1

FIELD INVESTIGATION REPORT

Date: 9/13/10
Project: Amerau - Remedial measures
Job No:
Location: BUFFALO, NY - 111 Colvgate Ave
CQA Monitor(s): RLO
Client: Amerau International
Contractor: TREC ENV
Contractor's Supervisor: Jim A.

WEATHER CONDITIONS:
Ambient Air Temp. - A.M.: 60°F
Ambient Air Temp. - P.M.: 71°F
Wind Direction: W
Wind Speed: < 5 mph
Precipitation: none

DESCRIPTION OF INVESTIGATION:

0730 - onsite
0900 TREC ENV onsite, setup for HRC Injection AS per workplan.
0900 - 16:00 complete HRC Injection - 16 pts total
14:30 - NYSDEC onsite (Bill Murray) Discuss HRC injection & schedule for soil removal
15:00 NYS DEC offsite
16:00 - Benchmark & TREC offsite

Signed:
CQA Representative

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

DAILY LOG	DATE	9	14	10
	REPORT NO.	2		
	PAGE	1	OF	1

FIELD INVESTIGATION REPORT

Date: 9/14/10
Project: Ameron Remedial Measures
Job No:
Location: 111 Colgate ave - BUFFALO, NY
CQA Monitor(s): RLJ
Client: Ameron International
Contractor: TREC Env
Contractor's Supervisor: Jim A.

WEATHER CONDITIONS:

Ambient Air Temp. - A.M.: 50°F
Ambient Air Temp. - P.M.: 65°F
Wind Direction: W
Wind Speed: 5-10 mph
Precipitation: none

DESCRIPTION OF INVESTIGATION:

0745 - Onsite, setup grid for ORC Injection

0830 - TREC onsite, setup Equipment & begin ORC Injections - contractor using hammer drill to break through concrete.
Injecting 15 lbs of ORC per point

Injected 19 pts today.

15:30 Decon Equip, Fill water drums prepare for ORC Injection on Wednesday.

1630 - OFFsite

Signed:

CQA Representative

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

DAILY LOG	DATE	9	15	10
	REPORT NO.	3		
	PAGE	1	OF	1

FIELD INVESTIGATION REPORT

Date: 9/15/10
Project: Ameron Remedial measures
Job No:
Location: 111 Curtiss Ave BUFFALO, NY
CQA Monitor(s): RLD
Client: Ameron International
Contractor: TREC Env
Contractor's Supervisor: John A.

WEATHER CONDITIONS:

Ambient Air Temp. - A.M.: 57°F
Ambient Air Temp. - P.M.: 70°F
Wind Direction: W
Wind Speed: 5-7 mph
Precipitation: none

DESCRIPTION OF INVESTIGATION:

0730 - onsite.
0815 - TREC onsite, setup for ORC Injection.

1030 - complete six injection points
1030 - 10:50 - Obtain water for ORC injection
10:50 - 12:00 - complete a TOTAL OF ~~40~~ 10 injection points.

12:00 - 16:00 - complete 20 injection points today, 10 pts remaining for Thursday.

1630 - OFFsite

Signed:

GQA Representative

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

DAILY LOG	DATE	9	16	10
	REPORT NO.	4		
	PAGE	1	OF	1

FIELD INVESTIGATION REPORT

Date: 9/16/10
Project: Ameron Remedial measures
Job No:
Location: 111 Colgate Ave - Buffalo, NY
CQA Monitor(s): RCD
Client: Ameron International
Contractor: TREC Env
Contractor's Supervisor: Jim A.

WEATHER CONDITIONS:

Ambient Air Temp. - A.M.: ~~60~~ 60°F
Ambient Air Temp. - P.M.: 65°F
Wind Direction: W
Wind Speed: 5-10 mph
Precipitation: RAIN - AM

DESCRIPTION OF INVESTIGATION:

0745 - onsite

0930 - TREC onsite - setup to inject 10 remaining ORC points.

* Thunder storms from 09:00 - 0930 - no work performed.

12:00 complete ORC injection - Demobilize from site

1330 - offsite

Signed:

CQA Representative

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

INSPECTOR'S DAILY REPORT

Page 1 of 2

CONTRACTOR:	JOB NO.:
R.E. LORENZ	0100-001-300
CLIENT:	DATE:
AMERON INTERNATIONAL - COLGATE AVE.	09/30/10

LOCATION:		DAY: Su M Tu W Th F Sa	
COLGATE AVE			
WEATHER:	TEMP:	START:	END:
RAIN - LT → MOD.	60-65° °F	745a	1530p

WORK PERFORMED:

CONTRACTOR ON SITE 745am. WITH Hot SPOT SS-2 EXCAVATED AS STAKED BY BENCHMARK 15'x15'x 1.5' DEPTH
MATERIAL EXCAVATED WAS placed in DUMP TRUCK FOR Landfill disposal - daily cover.

Hot SPOT SS-1 EXCAVATED AS MARKED BY BENCHMARK 15'x15'x 1.5' Depth.
MATERIAL FROM EXCAVATION placed in Dump TRUCK FOR Landfill disposal - daily cover.

Hot SPOT SB-3 EXCAVATED AS STAKED 15'x15'x1.5' Depth. All EXCAVATED Material from this SPOT WAS LOADED & HAULED to WM-CHAFFEE Landfill seperate from others AS profiled - solid waste.

Hot SPOT SB-5 EXCAVATED AS STAKED 15'x15'x 2' DEPTH. All excavated material from this location loaded & hauled to Landfill AS daily cover profiled.

All 4 EXCAVATIONS were backfilled with 1ps0.1B Approved by NYSDEC (TESTED) provided from R.E. LORENZ STOCKPILE ON TRANSIT Rd.

- Hot SPOTS SB-3 & SB-5 Required Railroad (steel & TIES) be removed to EXCAVATE THESE AREAS.

- AREAS WERE SEEDED AT DAYS END W/Approved mix.

TEST PERFORMED:	QA PERSONNEL:
DUE TO RAIN, AIR MONITORS NOT SET UP.	SIGNATURE:

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

INSPECTOR'S DAILY REPORT

(CONTINUED) Page 2 of 2

CONTRACTOR:	JOB NO.:
R.E. LORENZ	0100-001-300
CLIENT:	DATE:
AMERON / INTERNATIONAL-COLGATE AVE.	09/30/10

MEETINGS HELD & RESULTS:

VISITORS: NYSDEC - Bill Murray

* Photos were taken & recorded.

CONTRACTOR'S WORK FORCE AND EQUIPMENT

DESCRIPTION	H	#	DESCRIPTION	H	#	DESCRIPTION	H	#
Field Engineer						Front Loader Ton		
Superintendent		1				Bulldozer		
Laborer-Foreman						~~DF~~ Dump Truck		4
Laborer						Water Truck		
Operating Engineer		1	Equipment			Backhoe		1
Carpenter			Generators			Excavator		
Ironworker			Welding Equipment			Pad foot roller		
Concrete Finisher			Roller			Chop Saw		1
			Paving Equipment					
			Air Compressor					

REMARKS:

2 - Drums w/ previous Monitor well soil cuttings were taken w/ SB-3 soils. Drums scrapped. STEEL RAILS - Scrapped. Wood TIES - Build South of SB-2.

REFERENCES TO OTHER FORMS:

4 Loads to Landfill
Manifests with report.

SAMPLES COLLECTED:

Sample Number:
Approx. Location of Stockpile:
No. of Stockpile
Date of Collection:
Weather:
Field Observations:

APPENDIX E

PHOTO LOG

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Ameron	Colgate Ave-Buffalo, NY	

Photo No.	Date
1	Sep-10

Direction Photo Taken:
Northeast

Description:
Injection of Oxygen Release (ORC) and Hydrogen Release (HRC) compound.

Photo No.	Date
2	Sep-10

Direction Photo Taken:
East

Description:
Injection of Oxygen Release (ORC) and Hydrogen Release (HRC) compound.

Prepared By: *RLD*

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Ameron	Colgate Ave-Buffalo, NY	

Photo No.	Date
3	Aug-10

Direction Photo Taken:
East

Description:
Lead Stablization pilot test, mixing of soil with portland cement.

Photo No.	Date
4	Sep-10

Direction Photo Taken:
East

Description:
Lead Stablization pilot test, mixing of soil with portland cement.

Prepared By: *RLD*

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Ameron	Colgate Ave-Buffalo, NY	

Photo No.	Date
5	Sep-10

Direction Photo Taken:
East

Description:
Begin Excavation of impacted soil/fill for off-site disposal.

Photo No.	Date
6	Sep-10

Direction Photo Taken:
North

Description:
Begin Excavation of impacted soil/fill for off-site disposal.

Prepared By: *RLD*

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Ameron	Colgate Ave-Buffalo, NY	

Photo No.	Date
7	Sep-10

Direction Photo Taken:
East

Description:
Excavating impacted soil/fill

Photo No.	Date
8	Sep-10

Direction Photo Taken:
Northeast

Description:
Hotspot area excavated prior to backfill.

Prepared By: *RLD*

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.:
Ameron	Colgate Ave-Buffalo, NY	

Photo No.	Date
9	Sep-10

Direction Photo Taken:
West

Description:
Backfilling of impacted soil excavation with approved borrow source material.

Photo No.	Date
10	Sep-10

Direction Photo Taken:
Northeast

Description:
Backfilling of impacted soil excavation with approved borrow source material.

Prepared By: RLD

APPENDIX F

WASTE PROFILE AND LANDFILL ACCEPTANCE FORM

Generator's Non-hazardous Waste Profile Sheet

Requested Disposal Facility: Chaffee Landfill Profile Number: 106032NY

☐ Renewal for Profile Number: _____ Waste Approval Expiration Date: _____

☐ Check here if there are multiple generating locations for this waste. Attach additional locations.

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: Ameron International Corporation
2. Site Address: 111 Colgate Avenue
3. City/ZIP: Buffalo, 14220
4. State: NY
5. County: Erie
6. Contact Name/Title: Thomas Forbes
7. Email Address: forbes@benchmarkess.com
8. Phone: 716-856-0599 9. FAX: 716-856-0583
10. NAICS Code: 531190
11. Generator USEPA ID #: not required
12. State ID# (if applicable): _____

B. Customer Information ☐ same as above

P. O. Number: _____

1. Customer Name: Benchmark Environmental Engineering &
2. Billing Address: 2558 Hamburg Turnpike
3. City, State and ZIP: Lackawanna, NY, 14218
4. Contact Name: Thomas Forbes
5. Contact Email: forbes@benchmarkees.com
6. Phone: 716-586-0599 FAX: 716-856-0583
7. Transporter Name: _____
8. Transporter ID # (if appl.): _____
9. Transporter Address: _____
10. City, State and ZIP: _____

C. Waste Stream Information

1. DESCRIPTION

a. Common Waste Name: Soil/Fill

State Waste Code(s): _____

b. Describe Process Generating Waste or Source of Contamination:

Excavation of soil material from Brownfield Cleanup Site

c. Typical Color(s): brown

d. Strong Odor? ☐ Yes ☑ No Describe: _____

e. Physical State at 70°F: ☑ Solid ☐ Liquid ☐ Powder ☐ Semi-Solid or Sludge ☐ Other: _____

f. Layers? ☑ Single layer ☐ Multi- layer ☐ NA

g. Water Reactive? ☐ Yes ☑ No If Yes, Describe: _____

h. Free Liquid Range (%): _____ to _____ ☑ NA(solid)

i. pH Range: _____ to _____ ☑ NA(solid)

j. Liquid Flash Point: ☐ < 140°F ☐ 140°- 199°F ☐ ≥ 200°F ☑ NA(solid)

k. Flammable Solid: ☐ Yes ☑ No

l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ☐ (See Attached)

Constituents (Total Composition Must be ≥ 100%)	Lower Range	Unit of Measure	Upper Range	Unit of Measure
1. Soil	55%		100%	
2. Stone, asphalt	0	%	15%	
3.				
4.				
5.				
6.				

2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION

a. ☑ One Time Event ☐ Base ☐ Repeat Event

b. Estimated Annual Quantity: 30 ☑ Tons ☐ Cubic Yards ☐ Drums ☐ Gallons ☐ Other (specify): _____

c. Shipping Frequency: _____ Units per ☐ Month ☐ Quarter ☐ Year ☑ One Time ☐ Other

d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ☐ Yes ☑ No

e. USDOT Shipping Description (if applicable): _____

3. SAFETY REQUIREMENTS (Handling, PPE, etc.): _____

©2010 Waste Management, Inc.

WASTE MANAGEMENT

Generator's Non-hazardous Waste Profile Sheet

D. Regulatory Status (Please check appropriate responses)

1. Waste Identification:
   a. Does the waste meet the definition of a USEPA listed or characteristic hazardous waste as defined by 40 CFR Part 261? ☐ Yes ☑ No
      1. If yes, please complete a hazardous waste profile.
   b. Does the waste meet the definition of a state hazardous waste other than identified in D.1.a? ☐ Yes ☐ No
      1. If yes, please complete a hazardous waste profile.
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☑ Yes ☐ No
   ☐ Delisted Hazardous Waste ☐ Excluded Wastes Under 40CFR 261.4
   ☐ Treated Hazardous Waste Debris ☑ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. ☐ Yes ☑ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☑ No
   a. If yes, is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☐ No
   b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? ☐ Yes ☐ No
5. Does the waste represented by this waste profile sheet contain Polychlorinated Biphenyls (PCBs)? ☐ Yes ☑ No
   (If yes, list in Chemical Composition - C.1.l)
   a. If yes, are the PCBs regulated by 40 CFR 761? ☐ Yes ☐ No
   b. If yes, is it remediation waste from a project being performed under the Self-Implementing option provided in 40 CFR 761.61(a)? ☐ Yes ☐ No
   c. If yes, were the PCBs imported into the US? ☐ Yes ☐ No
6. Does the waste contain untreated, regulated medical or infectious waste? ☐ Yes ☑ No
7. Does the waste contain asbestos? ☐ Yes ☑ No
   a. If Yes, ☐ Friable ☐ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☑ No
   a. If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☐ No

E. Generator Certifcation (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the contractor if applicable).
5. Check all that apply:
   ☐ a. Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: _____ # Pages: _____
   ☐ b. Only the analysis identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: _____
   ☐ c. Additional information necessary to characterize the profiled waste has been attached (other then analytical, such as MSDS). Indicate the number of attached pages: _____
   ☐ d. I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.

Certification Signature: _____ Title: Agent of Generator

Company Name: Ameron International Corp Name (Print): Thomas Forbes

Date: _____

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Generator's Non-hazardous Waste Profile Sheet

Requested Disposal Facility: Chaffee Landfill Profile Number: 106173NY

☐ Renewal for Profile Number: _____ Waste Approval Expiration Date: _____

☐ Check here if there are multiple generating locations for this waste. Attach additional locations.

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: Ameron International Corporation
2. Site Address: 111 Colgate Avenue
3. City/ZIP: Buffalo, 14220
4. State: New York
5. County: Erie
6. Contact Name/Title: Thomas Forbes
7. Email Address: forbes@benchmarkees.com
8. Phone: 716-856-0599 9. FAX: 716-856-0583
10. NAICS Code: 531190
11. Generator USEPA ID #: _____
12. State ID# (if applicable): _____

B. Customer Information ☐ same as above

P. O. Number: 0100-001-300

1. Customer Name: Benchmark Environmental Engineering &
2. Billing Address: 2558 Hamburg Turnpike
3. City, State and ZIP: Lackawanna, New York, 14218
4. Contact Name: Thomas Forbes
5. Contact Email: forbes@benchmarkees.com
6. Phone: 716-856-0599 FAX: 716-856-0583
7. Transporter Name: _____
8. Transporter ID # (if appl.): _____
9. Transporter Address: _____
10. City, State and ZIP: _____

C. Waste Stream Information

1. DESCRIPTION

a. Common Waste Name: Soil/fill

State Waste Code(s): _____

b. Describe Process Generating Waste or Source of Contamination:

Excavation of soil material from Brownfeild Cleanup Site

c. Typical Color(s): Brown

d. Strong Odor? ☐ Yes ☑ No Describe: _____

e. Physical State at 70°F: ☑ Solid ☐ Liquid ☐ Powder ☐ Semi-Solid or Sludge ☐ Other: _____

f. Layers? ☑ Single layer ☐ Multi- layer ☐ NA

g. Water Reactive? ☐ Yes ☑ No If Yes, Describe: _____

h. Free Liquid Range (%): _____ to _____ ☑ NA(solid)

i. pH Range: 6 to 9 ☑ NA(solid)

j. Liquid Flash Point: ☐ < 140°F ☐ 140°- 199°F ☐ ≥ 200°F ☑ NA(solid)

k. Flammable Solid: ☐ Yes ☑ No

l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ☐ (See Attached)

Constituents (Total Composition Must be ≥ 100%)	Lower Range	Unit of Measure	Upper Range	Unit of Measure
1. Soil	85	%	~~100~~ 97	% TMF
2. Stone, asphalt	0	%	~~15~~ 13	% TMF
3. Portland Cement	3	%	4	% TMF
4.				
5.				
6.				

2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION

a. ☑ One Time Event ☐ Base ☐ Repeat Event

b. Estimated Annual Quantity: 150 ☑ Tons ☐ Cubic Yards ☐ Drums ☐ Gallons ☐ Other (specify): _____

c. Shipping Frequency: One time Units per ☐ Month ☐ Quarter ☐ Year ☑ One Time ☐ Other

d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ☐ Yes ☑ No

e. USDOT Shipping Description (if applicable): _____

3. SAFETY REQUIREMENTS (Handling, PPE, etc.): N/A

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WASTE MANAGEMENT

Generator's Non-hazardous Waste Profile Sheet

D. Regulatory Status (Please check appropriate responses)

1. Waste Identification:
   a. Does the waste meet the definition of a USEPA listed or characteristic hazardous waste as defined by 40 CFR Part 261? ☐ Yes ☑ No
      1. If yes, please complete a hazardous waste profile.
   b. Does the waste meet the definition of a state hazardous waste other than identified in D.1.a? ☐ Yes ☑ No
      1. If yes, please complete a hazardous waste profile.
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☐ Yes ☑ No THF
   ☐ Delisted Hazardous Waste ☐ Excluded Wastes Under 40CFR 261.4 N/A THF
   ☐ Treated Hazardous Waste Debris N/A THF ☑ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. ☑ Yes ☐ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☑ No
   a. If yes, is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☐ No
   b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? ☐ Yes ☐ No
5. Does the waste represented by this waste profile sheet contain Polychlorinated Biphenyls (PCBs)? ☑ Yes ☐ No
   (If yes, list in Chemical Composition - C.1.l)
   a. If yes, are the PCBs regulated by 40 CFR 761? ☐ Yes ☑ No
   b. If yes, is it remediation waste from a project being performed under the Self-Implementing option provided in 40 CFR 761.61(a)? ☐ Yes ☑ No
   c. If yes, were the PCBs imported into the US? ☐ Yes ☑ No
6. Does the waste contain untreated, regulated medical or infectious waste? ☐ Yes ☑ No
7. Does the waste contain asbestos? ☐ Yes ☑ No
   a. If Yes, ☐ Friable ☐ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☑ No
   a. If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☐ No

E. Generator Certifcation (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the contractor if applicable).
5. Check all that apply:
   ☑ a. Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: SS-1, SS-2, SB-3, SB-5 -full TCL List & leachable lead # Pages: _____
   ☑ b. Only the analysis identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: SS-1, SS-2, SB-3, SB-5
   ☐ c. Additional information necessary to characterize the profiled waste has been attached (other then analytical, such as MSDS). Indicate the number of attached pages: _____
   ☑ d. I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.

Certification Signature: _____ Title: Agent of Generator

Company Name: Ameron International Corp Name (Print): Thomas Forbes

Date: 8-18-10

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NON-HAZARDOUS WAM APPROVAL FORM

Requested Disposal Facility: Chaffee Landfill

Profile Number: 106032NY Waste Approval Expiration Date: 02/01/2011

APPROVAL DETAILS

Approval Decision: ☑ Approved ☐ Not Approved Profile Renewal: ☐ Yes ☑ No

Management Method: Alternate Daily Cover (ADC)

Management Facility Precautions, Special Handling Procedures or Limitation on approval:

- Shall not contain free liquid
- Shipment must be scheduled into disposal facility
- Approval Number must accompany each shipment
- Waste Manifest must accompany load
- Shall not pose a dust nuisance
- Shall not pose a odor nuisance
- Analysis provided shall be representative of all material shipped under this non-hazardous waste profile
- Shall comply with applicable DOT and OSHA labeling, packaging and manifesting requirements
- Shall notify WM disposal location of changes associated with original waste generating process prior to shipment

Additional Conditions:

Soils represented by SB-3 must be shipped under 106173NY

Soils represented by TP-5 and TP-7 are not approved under this profile.

WM Authorization Name: Andrew Argona Title: Waste Approval Manager

WM Authorization Signature: Andrew D Argona Date: 09/21/2010

Agency Authorization (if Required): _____ Date: _____

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NON-HAZARDOUS WAM APPROVAL FORM

Requested Disposal Facility: Chaffee Landfill

Profile Number: 106173NY Waste Approval Expiration Date: 02/01/2011

APPROVAL DETAILS

Approval Decision: ☑ Approved ☐ Not Approved Profile Renewal: ☐ Yes ☑ No

Management Method: Direct Landfill

Management Facility Precautions, Special Handling Procedures or Limitation on approval:

- Shall not contain free liquid
- Shipment must be scheduled into disposal facility
- Approval Number must accompany each shipment
- Waste Manifest must accompany load
- Shall not pose a dust nuisance
- Shall not pose a odor nuisance
- Analysis provided shall be representative of all material shipped under this non-hazardous waste profile
- Shall comply with applicable DOT and OSHA labeling, packaging and manifesting requirements
- Shall notify WM disposal location of changes associated with original waste generating process prior to shipment

Additional Conditions:

Approved for Soils represented by SB-3

WM Authorization Name: Andrew Argona Title: Waste Approval Manager

WM Authorization Signature: Andrew D Argona Date: 09/21/2010

Agency Authorization (if Required): _____ Date: _____

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APPENDIX G

WASTE MANIFESTS

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number

GENERATOR

5. Generator's Name and Mailing Address
[illegible]
2600 Hamburg Turnpike
Lackawanna NY 14218 ATTN: Tom Forbes
Generator's Phone: (716) 856-0599

Generator's Site Address (if different than mailing address)
[illegible]
171 Colgate Avenue
Buffalo NY 14220

6. Transporter 1 Company Name: P E LORENZ — U.S. EPA ID Number: 9A799

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

8. Designated Facility Name and Site Address
WM of NEW YORK at CHAFFEE LANDFILL
10950 OLEAN ROAD
CHAFFEE NY 14030
Facility's Phone: (716) 492-3420
U.S. EPA ID Number: N A

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON REGULATED SOIL/FILL 10617SNY	XX1	DT	30,000 LB	P	NONE
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
10617SNY - Non Regulated Soil/Fill
15.97 Tons

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: [illegible] — Signature: [illegible] — Month: 09 — Day: 30 — Year: 10

INT'L

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

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [illegible] — Signature: [illegible] — Month: 09 — Day: 30 — Year: 10

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: [illegible] — Signature: [illegible] — Month: 10 — Day: 1 — Year: 10

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number

GENERATOR

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name — U.S. EPA ID Number

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

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1.					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

18.73

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name — Signature — Month Day Year

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month Day Year

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month Day Year

169-BLC-O 5 11977 (Rev. 8/06)

TRANSPORTER #2

CWM

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	**4. Waste Tracking Number**

GENERATOR

5. Generator's Name and Mailing Address
[illegible]
2556 Hamburg Turnpike
Lackawanna NY 14218 ATTN: Tom Forbes
Generator's Phone: (716) 856-0599

Generator's Site Address (if different than mailing address)
[illegible] International
111 Colgate Avenue
Buffalo NY 14220

6. Transporter 1 Company Name: R E LORENZ — U.S. EPA ID Number: 9A 797

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

8. Designated Facility Name and Site Address
WM of NEW YORK at CHAFFEE LANDFILL
10860 OLEAN ROAD
CHAFFEE NY 14030
Facility's Phone: (716)492-3420
U.S. EPA ID Number: N A

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON REGULATED SOILFILL 106032NY	XX1	DT		P	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
106032NY - Non Regulated Soilfill

19.49

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
John DeTAAs Agent for Generator	[signature] (Agent for Generator)	09	30	10

INT'L

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

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

	Printed/Typed Name	Signature	Month	Day	Year
Transporter 1			09	30	10
Transporter 2					

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

WM Chaffee LF ... #4 384779

18. Designated Facility Owner or Operator Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
	[signature]	9	30	10

169-BLC-O 5 11977 (Rev. 8/06) TRANSPORTER #2

CWM

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number

5. Generator's Name and Mailing Address
American International Go Benchmark ... Engineering
2558 Hamburg Turnpike
Lackawanna NY 14218 ATTN: Tom Forbes
Generator's Phone: (716) 856-0599

Generator's Site Address (if different than mailing address)
American International
111 Colgate Avenue
Buffalo NY 14220

6. Transporter 1 Company Name: R E LORENZ — U.S. EPA ID Number: 9A 799

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

8. Designated Facility Name and Site Address
WM of NEW YORK at CHAFFEE LANDFILL
10860 OLEAN ROAD
CHAFFEE NY 14030
Facility's Phone: (716) 492-3420
U.S. EPA ID Number: N A

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON REGULATED SOIL/FILL 106032NY	XX1	DT		P	NONE
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
106032NY - Non Regulated Soil/fill

20.59

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: John Dett... [illegible] — Signature: [signature] — Month 09 Day 30 Year 10

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

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jody Krieb — Signature: [signature] — Month 09 Day 30 Year 10
Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name — Signature — Month 9 Day 30 Year 10

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 8/06) TRANSPORTER #2

APPENDIX H

BORROW SOIL ANALYTICAL RESULTS

Analytical Report

Work Order: RTH1426

Project Description

Special

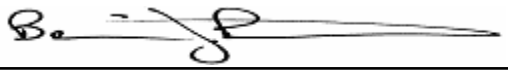
For:

Tom Forbes

Turnkey/Benchmark

2558 Hamburg Turnpike, Suite 300

Lackawanna, NY 14218



Brian Fischer

Project Manager

Brian.Fischer@testamericainc.com

Monday, September 13, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Persuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

Turnkey/Benchmark
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1426

Project: Special
Project Number: TURN

Received: 08/27/10
Reported: 09/13/10 09:01

TestAmerica Buffalo
Current Certifications

As of 08/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon*	CWA,RCRA	NY200003
Pennsylvania*	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA,RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA,RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Turnkey/Benchmark
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1426

Project: Special
Project Number: TURN

Received: 08/27/10
Reported: 09/13/10 09:01

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

There are pertinent documents appended to this report, 18 pages, are included and are an integral part of this report.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

Turnkey/Benchmark
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1426

Project: Special
Project Number: TURN

Received: 08/27/10
Reported: 09/13/10 09:01

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to the lab MDL. It must be noted that results reported below lab standard quantitation limits (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

SpecificMethod	Analyte	Units	Client RL	Lab PQL
8270C	4-Methylphenol	ug/kg dry	170	330

Turnkey/Benchmark
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1426

Project: Special
Project Number: TURN

Received: 08/27/10
Reported: 09/13/10 09:01

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
M1	The MS and/or MSD were outside the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
MHA	Due to high levels of analyte in the sample, the MS and /or MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
QFL	Florisil clean-up (EPA 3620) performed on extract.
QSU	Sulfur (EPA 3660) clean-up performed on extract.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

Turnkey/Benchmark
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1426

Project: Special
Project Number: TURN

Received: 08/27/10
Reported: 09/13/10 09:01

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1426-01 (LORENZ TOPSOIL - Solid)					**Sampled: 08/18/10**			**Recvd: 08/18/10 17:47**		
Semivolatile Organics by GC/MS										
4-Methylphenol	**22**	J	200	11	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Benzo(a)anthracene	**79**	J	200	3.4	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Benzo(a)pyrene	**100**	J	200	4.8	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Benzo(b)fluoranthene	**110**	J	200	3.8	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Benzo(ghi)perylene	**74**	J	200	2.4	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Benzo(k)fluoranthene	**50**	J	200	2.2	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Chrysene	**81**	J	200	2.0	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Dibenzo(a,h)anthracene	**17**	J	200	2.3	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Fluoranthene	**120**	J	200	2.9	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Indeno(1,2,3-cd)pyrene	**59**	J	200	5.5	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Phenanthrene	**36**	J	200	4.1	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Pyrene	**120**	J	200	1.3	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDE	**0.32**	QFL,J	2.0	0.30	ug/kg dry	1.00	08/31/10 12:44	MAN	10H2094	8081A
4,4'-DDT	**1.2**	QFL,J	2.0	0.20	ug/kg dry	1.00	08/31/10 12:44	MAN	10H2094	8081A
Total Metals by SW 846 Series Methods										
Aluminum	**11600**		10.9	NR	mg/kg dry	1.00	09/08/10 18:52	DAN	10H2047	6010B
Arsenic	**4.1**		2.2	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Barium	**81.2**		0.546	NR	mg/kg dry	1.00	09/08/10 18:52	DAN	10H2047	6010B
Beryllium	**0.464**		0.219	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Calcium	**3400**		54.6	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Chromium	**13.2**		0.546	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Cobalt	**6.77**		0.546	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Copper	**9.2**		1.1	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Iron	**17200**		10.9	NR	mg/kg dry	1.00	09/03/10 17:24	DAN	10H2047	6010B
Lead	**24.9**		1.1	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Magnesium	**2950**		21.9	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Manganese	**421**		0.2	NR	mg/kg dry	1.00	09/03/10 17:24	DAN	10H2047	6010B
Nickel	**12.1**		5.46	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Potassium	**916**		32.8	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Vanadium	**23.7**		0.546	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Zinc	**68.7**		2.2	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Mercury	**0.0458**		0.0242	NR	mg/kg dry	1.00	08/30/10 20:08	MxM	10H2111	7471A
General Chemistry Parameters										
Percent Solids	**84**		0.010	NR	%	1.00	08/30/10 12:43	JRR	10H2085	Dry Weight
Total Cyanide	**2.0**		1.0	NR	mg/kg dry	1.00	08/31/10 20:57	JME	10H2266	9012A
160.3 MOD_0242340x										
Percent Solids	**84.1**		10	NR	%	1.00	08/31/10 10:26	JB	242340	160.3 MOD_0242340

Turnkey/Benchmark
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1426

Project: Special
Project Number: TURN

Received: 08/27/10
Reported: 09/13/10 09:01

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
LORENZ TOPSOIL	RTH1426-01	Solid	08/18/10	08/27/10 10:46	

Turnkey/Benchmark
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1426

Project: Special
Project Number: TURN

Received: 08/27/10
Reported: 09/13/10 09:01

Analytical Report

Sample ID: RTH1426-01 (LORENZ TOPSOIL - Solid) — **Sampled: 08/18/10** — **Recvd: 08/18/10 17:47**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		5.8	0.42	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
1,1,2,2-Tetrachloroethane	ND		5.8	0.95	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
1,1,2-Trichloroethane	ND		5.8	0.76	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	1.3	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
1,1-Dichloroethane	ND		5.8	0.71	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
1,1-Dichloroethene	ND		5.8	0.71	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
1,2,4-Trichlorobenzene	ND		5.8	0.36	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
1,2,4-Trimethylbenzene	ND		5.8	1.1	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
1,2-Dibromo-3-chloropropane	ND		5.8	2.9	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
1,2-Dibromoethane	ND		5.8	0.75	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
1,2-Dichlorobenzene	ND		5.8	0.46	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
1,2-Dichloroethane	ND		5.8	0.29	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
1,2-Dichloropropane	ND		5.8	2.9	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
1,3,5-Trimethylbenzene	ND		5.8	0.38	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
1,3-Dichlorobenzene	ND		5.8	0.30	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
1,4-Dichlorobenzene	ND		5.8	0.82	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
2-Butanone	ND		29	2.1	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
2-Hexanone	ND		29	2.9	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
p-Cymene	ND		5.8	0.47	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
4-Methyl-2-pentanone	ND		29	1.9	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Acetone	ND		29	4.9	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Benzene	ND		5.8	0.29	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Bromodichloromethane	ND		5.8	0.78	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Bromoform	ND		5.8	2.9	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Bromomethane	ND		5.8	0.53	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Carbon disulfide	ND		5.8	2.9	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Carbon Tetrachloride	ND		5.8	0.57	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Chlorobenzene	ND		5.8	0.77	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Dibromochloromethane	ND		5.8	0.75	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Chloroethane	ND		5.8	1.3	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Chloroform	ND		5.8	0.36	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Chloromethane	ND		5.8	0.35	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
cis-1,2-Dichloroethene	ND		5.8	0.75	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
cis-1,3-Dichloropropene	ND		5.8	0.84	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Cyclohexane	ND		5.8	0.82	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Dichlorodifluoromethane	ND		5.8	0.48	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Ethylbenzene	ND		5.8	0.40	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Isopropylbenzene	ND		5.8	0.88	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Methyl Acetate	ND		5.8	1.1	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.8	0.57	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Methylcyclohexane	ND		5.8	0.89	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Methylene Chloride	ND		5.8	2.7	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
m-Xylene & p-Xylene	ND		12	0.98	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
n-Butylbenzene	ND		5.8	0.51	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
n-Propylbenzene	ND		5.8	0.47	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
o-Xylene	ND		5.8	0.76	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
sec-Butylbenzene	ND		5.8	0.51	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Styrene	ND		5.8	0.29	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B

Turnkey/Benchmark
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1426

Project: Special
Project Number: TURN

Received: 08/27/10
Reported: 09/13/10 09:01

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1426-01 (LORENZ TOPSOIL - Solid) - cont.						**Sampled: 08/18/10**			**Recvd: 08/18/10 17:47**	
Volatile Organic Compounds by EPA 8260B - cont.										
tert-Butylbenzene	ND		5.8	0.61	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Tetrachloroethene	ND		5.8	0.78	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Toluene	ND		5.8	0.44	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
trans-1,2-Dichloroethene	ND		5.8	0.60	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
trans-1,3-Dichloropropene	ND		5.8	2.6	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Trichloroethene	ND		5.8	1.3	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Trichlorofluoromethane	ND		5.8	0.55	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Vinyl chloride	ND		5.8	0.71	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
Xylenes, total	ND		12	0.98	ug/kg dry	1.00	08/28/10 19:28	PJQ	10H2053	8260B
1,2-Dichloroethane-d4	*101 %*		*Surr Limits: (64-126%)*				*08/28/10 19:28*	*PJQ*	*10H2053*	*8260B*
4-Bromofluorobenzene	*102 %*		*Surr Limits: (72-126%)*				*08/28/10 19:28*	*PJQ*	*10H2053*	*8260B*
Toluene-d8	*109 %*		*Surr Limits: (71-125%)*				*08/28/10 19:28*	*PJQ*	*10H2053*	*8260B*
Semivolatile Organics by GC/MS										
2,4,5-Trichlorophenol	ND		200	43	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
2,4,6-Trichlorophenol	ND		200	13	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
2,4-Dichlorophenol	ND		200	10	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
2,4-Dimethylphenol	ND		200	53	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
2,4-Dinitrophenol	ND		390	69	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
2,4-Dinitrotoluene	ND		200	31	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
2,6-Dinitrotoluene	ND		200	48	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
2-Chloronaphthalene	ND		200	13	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
2-Chlorophenol	ND		200	10	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
2-Methylnaphthalene	ND		200	2.4	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
2-Methylphenol	ND		200	6.1	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
2-Nitroaniline	ND		390	63	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
2-Nitrophenol	ND		200	9.0	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
3,3'-Dichlorobenzidine	ND		200	170	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
3-Nitroaniline	ND		390	45	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
4,6-Dinitro-2-methylphenol	ND		390	68	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
4-Bromophenyl phenyl ether	ND		200	63	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
4-Chloro-3-methylphenol	ND		200	8.1	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
4-Chloroaniline	ND		200	58	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
4-Chlorophenyl phenyl ether	ND		200	4.2	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
4-Methylphenol	**22**	J	200	11	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
4-Nitroaniline	ND		390	22	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
4-Nitrophenol	ND		390	48	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Acenaphthene	ND		200	2.3	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Acenaphthylene	ND		200	1.6	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Acetophenone	ND		200	10	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Anthracene	ND		200	5.1	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Atrazine	ND		200	8.8	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Benzaldehyde	ND		200	22	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Benzo(a)anthracene	**79**	J	200	3.4	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Benzo(a)pyrene	**100**	J	200	4.8	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Benzo(b)fluoranthene	**110**	J	200	3.8	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Benzo(ghi)perylene	**74**	J	200	2.4	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C

Turnkey/Benchmark
2558 Hamburg Turnpike, Suite 300
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Work Order: RTH1426

Project: Special
Project Number: TURN

Received: 08/27/10
Reported: 09/13/10 09:01

Analytical Report

Sample ID: RTH1426-01 (LORENZ TOPSOIL - Solid) - cont. **Sampled: 08/18/10** **Recvd: 08/18/10 17:47**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Semivolatile Organics by GC/MS - cont.										
Benzo(k)fluoranthene	**50**	J	200	2.2	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Biphenyl	ND		200	12	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Bis(2-chloroethoxy)methane	ND		200	11	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Bis(2-chloroethyl)ether	ND		200	17	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
2,2'-Oxybis(1-Chloropropane)	ND		200	21	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Bis(2-ethylhexyl) phthalate	ND		200	64	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Butyl benzyl phthalate	ND		200	53	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Caprolactam	ND		200	85	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Carbazole	ND		200	2.3	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Chrysene	**81**	J	200	2.0	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Dibenzo(a,h)anthracene	**17**	J	200	2.3	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Dibenzofuran	ND		200	2.1	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Diethyl phthalate	ND		200	6.0	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Dimethyl phthalate	ND		200	5.2	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Di-n-butyl phthalate	ND		200	68	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Di-n-octyl phthalate	ND		200	4.6	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Fluoranthene	**120**	J	200	2.9	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Fluorene	ND		200	4.5	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Hexachlorobenzene	ND		200	9.8	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Hexachlorobutadiene	ND		200	10	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Hexachlorocyclopentadiene	ND		200	60	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Hexachloroethane	ND		200	15	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Indeno(1,2,3-cd)pyrene	**59**	J	200	5.5	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Isophorone	ND		200	9.9	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Naphthalene	ND		200	3.3	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Nitrobenzene	ND		200	8.8	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
N-Nitrosodi-n-propylamine	ND		200	16	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
N-Nitrosodiphenylamine	ND		200	11	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Pentachlorophenol	ND		390	68	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Phenanthrene	**36**	J	200	4.1	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Phenol	ND		200	21	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
Pyrene	**120**	J	200	1.3	ug/kg dry	1.00	09/01/10 12:31	MKP	10H2093	8270C
2,4,6-Tribromophenol	*81 %*		*Surr Limits: (39-146%)*				*09/01/10 12:31*	*MKP*	*10H2093*	*8270C*
2-Fluorobiphenyl	*71 %*		*Surr Limits: (37-120%)*				*09/01/10 12:31*	*MKP*	*10H2093*	*8270C*
2-Fluorophenol	*60 %*		*Surr Limits: (18-120%)*				*09/01/10 12:31*	*MKP*	*10H2093*	*8270C*
Nitrobenzene-d5	*62 %*		*Surr Limits: (34-132%)*				*09/01/10 12:31*	*MKP*	*10H2093*	*8270C*
Phenol-d5	*64 %*		*Surr Limits: (11-120%)*				*09/01/10 12:31*	*MKP*	*10H2093*	*8270C*
p-Terphenyl-d14	*75 %*		*Surr Limits: (58-147%)*				*09/01/10 12:31*	*MKP*	*10H2093*	*8270C*
Organochlorine Pesticides by EPA Method 8081A										
4,4'-DDD	ND	QFL	2.0	0.38	ug/kg dry	1.00	08/31/10 12:44	MAN	10H2094	8081A
4,4'-DDE	**0.32**	QFL,J	2.0	0.30	ug/kg dry	1.00	08/31/10 12:44	MAN	10H2094	8081A
4,4'-DDT	**1.2**	QFL,J	2.0	0.20	ug/kg dry	1.00	08/31/10 12:44	MAN	10H2094	8081A
Aldrin	ND	QFL	2.0	0.48	ug/kg dry	1.00	08/31/10 12:44	MAN	10H2094	8081A
alpha-BHC	ND	QFL	2.0	0.35	ug/kg dry	1.00	08/31/10 12:44	MAN	10H2094	8081A
beta-BHC	ND	QFL	2.0	0.21	ug/kg dry	1.00	08/31/10 12:44	MAN	10H2094	8081A

Turnkey/Benchmark
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1426

Project: Special
Project Number: TURN

Received: 08/27/10
Reported: 09/13/10 09:01

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1426-01 (LORENZ TOPSOIL - Solid) - cont.						**Sampled: 08/18/10**			**Recvd: 08/18/10 17:47**	
Organochlorine Pesticides by EPA Method 8081A - cont.										
Chlordane	ND	QFL	20	4.4	ug/kg dry	1.00	08/31/10 12:44	MAN	10H2094	8081A
delta-BHC	ND	QFL	2.0	0.26	ug/kg dry	1.00	08/31/10 12:44	MAN	10H2094	8081A
Dieldrin	ND	QFL	2.0	0.47	ug/kg dry	1.00	08/31/10 12:44	MAN	10H2094	8081A
Endosulfan I	ND	QFL	2.0	0.25	ug/kg dry	1.00	08/31/10 12:44	MAN	10H2094	8081A
Endosulfan II	ND	QFL	2.0	0.35	ug/kg dry	1.00	08/31/10 12:44	MAN	10H2094	8081A
Endosulfan sulfate	ND	QFL	2.0	0.37	ug/kg dry	1.00	08/31/10 12:44	MAN	10H2094	8081A
Endrin	ND	QFL	2.0	0.27	ug/kg dry	1.00	08/31/10 12:44	MAN	10H2094	8081A
Endrin aldehyde	ND	QFL	2.0	0.50	ug/kg dry	1.00	08/31/10 12:44	MAN	10H2094	8081A
gamma-BHC (Lindane)	ND	QFL	2.0	0.34	ug/kg dry	1.00	08/31/10 12:44	MAN	10H2094	8081A
Heptachlor	ND	QFL	2.0	0.31	ug/kg dry	1.00	08/31/10 12:44	MAN	10H2094	8081A
Heptachlor epoxide	ND	QFL	2.0	0.51	ug/kg dry	1.00	08/31/10 12:44	MAN	10H2094	8081A
Methoxychlor	ND	QFL	2.0	0.27	ug/kg dry	1.00	08/31/10 12:44	MAN	10H2094	8081A
Toxaphene	ND	QFL	20	11	ug/kg dry	1.00	08/31/10 12:44	MAN	10H2094	8081A
Decachlorobiphenyl	*110 %*	*QFL*	*Surr Limits: (42-146%)*				*08/31/10 12:44*	*MAN*	*10H2094*	*8081A*
Tetrachloro-m-xylene	*69 %*	*QFL*	*Surr Limits: (37-136%)*				*08/31/10 12:44*	*MAN*	*10H2094*	*8081A*
Polychlorinated Biphenyls by EPA Method 8082										
Aroclor 1016	ND	QSU	20	3.9	ug/kg dry	1.00	08/31/10 16:24	JxM	10H2095	8082
Aroclor 1221	ND	QSU	20	3.9	ug/kg dry	1.00	08/31/10 16:24	JxM	10H2095	8082
Aroclor 1232	ND	QSU	20	3.9	ug/kg dry	1.00	08/31/10 16:24	JxM	10H2095	8082
Aroclor 1242	ND	QSU	20	4.3	ug/kg dry	1.00	08/31/10 16:24	JxM	10H2095	8082
Aroclor 1248	ND	QSU	20	3.9	ug/kg dry	1.00	08/31/10 16:24	JxM	10H2095	8082
Aroclor 1254	ND	QSU	20	4.2	ug/kg dry	1.00	08/31/10 16:24	JxM	10H2095	8082
Aroclor 1260	ND	QSU	20	9.2	ug/kg dry	1.00	08/31/10 16:24	JxM	10H2095	8082
Decachlorobiphenyl	*99 %*	*QSU*	*Surr Limits: (34-148%)*				*08/31/10 16:24*	*JxM*	*10H2095*	*8082*
Tetrachloro-m-xylene	*84 %*	*QSU*	*Surr Limits: (35-134%)*				*08/31/10 16:24*	*JxM*	*10H2095*	*8082*
Herbicides										
2,4,5-T	ND		20	6.3	ug/kg dry	1.00	08/31/10 15:37	tchro	10H2096	8151A
2,4-D	ND		20	12	ug/kg dry	1.00	08/31/10 15:37	tchro	10H2096	8151A
2,4,5-TP (Silvex)	ND		20	7.1	ug/kg dry	1.00	08/31/10 15:37	tchro	10H2096	8151A
2,4-Dichlorophenylacetic acid	*91 %*		*Surr Limits: (15-120%)*				*08/31/10 15:37*	*tchro*	*10H2096*	*8151A*
Total Metals by SW 846 Series Methods										
Aluminum	**11600**		10.9	NR	mg/kg dry	1.00	09/08/10 18:52	DAN	10H2047	6010B
Antimony	ND		16.4	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Arsenic	**4.1**		2.2	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Barium	**81.2**		0.546	NR	mg/kg dry	1.00	09/08/10 18:52	DAN	10H2047	6010B
Beryllium	**0.464**		0.219	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Cadmium	ND		0.219	NR	mg/kg dry	1.00	09/03/10 17:24	DAN	10H2047	6010B
Calcium	**3400**		54.6	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Chromium	**13.2**		0.546	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Cobalt	**6.77**		0.546	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Copper	**9.2**		1.1	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Iron	**17200**		10.9	NR	mg/kg dry	1.00	09/03/10 17:24	DAN	10H2047	6010B
Lead	**24.9**		1.1	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Magnesium	**2950**		21.9	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B

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Project: Special
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTH1426-01 (LORENZ TOPSOIL - Solid) - cont.						**Sampled: 08/18/10**			**Recvd: 08/18/10 17:47**	
Total Metals by SW 846 Series Methods - cont.										
Manganese	**421**		0.2	NR	mg/kg dry	1.00	09/03/10 17:24	DAN	10H2047	6010B
Nickel	**12.1**		5.46	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Potassium	**916**		32.8	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Selenium	ND		4.4	NR	mg/kg dry	1.00	09/08/10 18:52	DAN	10H2047	6010B
Silver	ND		0.546	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Sodium	ND		153	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Thallium	ND		6.6	NR	mg/kg dry	1.00	09/03/10 17:24	DAN	10H2047	6010B
Vanadium	**23.7**		0.546	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Zinc	**68.7**		2.2	NR	mg/kg dry	1.00	09/02/10 04:23	DAN	10H2047	6010B
Mercury	**0.0458**		0.0242	NR	mg/kg dry	1.00	08/30/10 20:08	MxM	10H2111	7471A
General Chemistry Parameters										
Percent Solids	**84**		0.010	NR	%	1.00	08/30/10 12:43	JRR	10H2085	Dry Weight
Total Cyanide	**2.0**		1.0	NR	mg/kg dry	1.00	08/31/10 20:57	JME	10H2266	9012A
160.3 MOD 0242340x										
Percent Solids	**84.1**		10	NR	%	1.00	08/31/10 10:26	JB	242340	160.3 MOD_0242340
7196A 0243392x										
CR, Hexavalent	ND		0.95	NR	mg/kg	1.00	09/02/10 15:33	JM	243392	7196A_0243392

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SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
General Chemistry Parameters									
9012A	10H2266	RTH1426-01	0.58	g	50.00	mL	08/31/10 20:57	JFR	Cn Digestion
Dry Weight	10H2085	RTH1426-01	10.00	g	10.00	g	08/30/10 08:27	JRR	Dry Weight
Herbicides									
8151A	10H2096	RTH1426-01	30.03	g	10.00	mL	08/30/10 09:00	CXM	8151A Solid Prep
Organochlorine Pesticides by EPA Method 8081A									
8081A	10H2094	RTH1426-01	30.20	g	10.00	mL	08/30/10 10:00	CXM	3550B GC
Polychlorinated Biphenyls by EPA Method 8082									
8082	10H2095	RTH1426-01	30.20	g	10.00	mL	08/30/10 09:30	CXM	3550B GC
Semivolatile Organics by GC/MS									
8270C	10H2093	RTH1426-01	30.50	g	1.00	mL	08/30/10 10:00	CXM	3550B MB
Total Metals by SW 846 Series Methods									
6010B	10H2047	RTH1426-01	0.54	g	50.00	mL	08/30/10 15:25	MDM	3050B
7471A	10H2111	RTH1426-01	0.59	g	50.00	mL	08/30/10 16:30	JRK	7471A_
Volatile Organic Compounds by EPA 8260B									
8260B	10H2053	RTH1426-01	5.09	g	5.00	mL	08/28/10 12:17	PJQ	5030B MS

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/28/10 (Lab Number:10H2053-BLK1, Batch: 10H2053)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND					
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND					
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND					
1,1,2-Trichloro-1,2,2-trifluoroethane			5.0	1.1	ug/kg wet	ND					
1,1-Dichloroethane			5.0	0.61	ug/kg wet	ND					
1,1-Dichloroethene			5.0	0.61	ug/kg wet	ND					
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND					
1,2,4-Trimethylbenzene			5.0	0.96	ug/kg wet	ND					
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND					
1,2-Dibromoethane			5.0	0.64	ug/kg wet	ND					
1,2-Dichlorobenzene			5.0	0.39	ug/kg wet	ND					
1,2-Dichloroethane			5.0	0.25	ug/kg wet	ND					
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND					
1,3,5-Trimethylbenzene			5.0	0.32	ug/kg wet	ND					
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND					
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND					
2-Butanone			25	1.8	ug/kg wet	ND					
2-Hexanone			25	2.5	ug/kg wet	ND					
p-Cymene			5.0	0.40	ug/kg wet	ND					
4-Methyl-2-pentanone			25	1.6	ug/kg wet	ND					
Acetone			25	4.2	ug/kg wet	ND					
Benzene			5.0	0.24	ug/kg wet	ND					
Bromodichloromethane			5.0	0.67	ug/kg wet	ND					
Bromoform			5.0	2.5	ug/kg wet	ND					
Bromomethane			5.0	0.45	ug/kg wet	ND					
Carbon disulfide			5.0	2.5	ug/kg wet	ND					
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND					
Chlorobenzene			5.0	0.66	ug/kg wet	ND					
Dibromochloromethane			5.0	0.64	ug/kg wet	ND					
Chloroethane			5.0	1.1	ug/kg wet	ND					
Chloroform			5.0	0.31	ug/kg wet	ND					
Chloromethane			5.0	0.30	ug/kg wet	ND					
cis-1,2-Dichloroethene			5.0	0.64	ug/kg wet	ND					
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND					
Cyclohexane			5.0	0.70	ug/kg wet	ND					
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 08/28/10 (Lab Number:10H2053-BLK1, Batch: 10H2053)											
Ethylbenzene			5.0	0.34	ug/kg wet	ND					
Isopropylbenzene			5.0	0.75	ug/kg wet	ND					
Methyl Acetate			5.0	0.93	ug/kg wet	ND					
Methyl-t-Butyl Ether (MTBE)			5.0	0.49	ug/kg wet	ND					
Methylcyclohexane			5.0	0.76	ug/kg wet	ND					
Methylene Chloride			5.0	2.3	ug/kg wet	ND					
m-Xylene & p-Xylene			10	0.84	ug/kg wet	ND					
n-Butylbenzene			5.0	0.44	ug/kg wet	ND					
n-Propylbenzene			5.0	0.40	ug/kg wet	ND					
o-Xylene			5.0	0.65	ug/kg wet	ND					
sec-Butylbenzene			5.0	0.44	ug/kg wet	ND					
Styrene			5.0	0.25	ug/kg wet	ND					
tert-Butylbenzene			5.0	0.52	ug/kg wet	ND					
Tetrachloroethene			5.0	0.67	ug/kg wet	ND					
Toluene			5.0	0.38	ug/kg wet	2.6					J
trans-1,2-Dichloroethene			5.0	0.52	ug/kg wet	ND					
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND					
Trichloroethene			5.0	1.1	ug/kg wet	ND					
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND					
Vinyl chloride			5.0	0.61	ug/kg wet	ND					
Xylenes, total			10	0.84	ug/kg wet	ND					
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*99*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*103*	*72-126*			
Surrogate: Toluene-d8					*ug/kg wet*		*110*	*71-125*			
LCS Analyzed: 08/28/10 (Lab Number:10H2053-BS1, Batch: 10H2053)											
1,1,1,2-Tetrachloroethane			5.0	0.50	ug/kg wet	ND		74-127			
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND		77-121			
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND		80-120			
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND		78-122			
1,1,2-Trichloro-1,2,2-trifluoroethane			5.0	1.1	ug/kg wet	ND		60-140			
1,1-Dichloroethane		50.0	5.0	0.61	ug/kg wet	46.0	92	79-126			
1,1-Dichloroethene		50.0	5.0	0.61	ug/kg wet	46.1	92	65-153			
1,1-Dichloropropene			5.0	0.71	ug/kg wet	ND		72-128			
1,1-Dimethoxyethane			25	11	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 08/28/10 (Lab Number:10H2053-BS1, Batch: 10H2053)											
1,2,3-Trichlorobenzene			5.0	0.53	ug/kg wet	ND		60-120			
1,2,3-Trichloropropane			5.0	0.51	ug/kg wet	ND		73-128			
1,2,3-Trimethylbenzene			5.0	1.0	ug/kg wet	ND					
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND		64-120			
1,2,4-Trimethylbenzene		50.0	5.0	0.96	ug/kg wet	47.1	94	74-120			
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND		63-124			
1,2-Dibromoethane			5.0	0.64	ug/kg wet	ND		78-120			
1,2-Dichlorobenzene		50.0	5.0	0.39	ug/kg wet	46.7	93	75-120			
1,2-Dichloroethane		50.0	5.0	0.25	ug/kg wet	43.8	88	77-122			
1,2-Dichloroethene, Total			10	2.6	ug/kg wet	91.8		82-120			
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND		75-124			
1,3,5-Trimethylbenzene			5.0	0.32	ug/kg wet	ND		74-120			
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND		74-120			
1,3-Dichloropropane			5.0	0.30	ug/kg wet	ND		72-127			
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND		73-120			
2-Butanone			25	1.8	ug/kg wet	ND		70-134			
2-Hexanone			25	2.5	ug/kg wet	ND		59-130			
p-Cymene			5.0	0.40	ug/kg wet	ND		74-120			
4-Methyl-2-pentanone			25	1.6	ug/kg wet	ND		65-133			
Acetone			25	4.2	ug/kg wet	ND		61-137			
Acrylonitrile			25	2.1	ug/kg wet	ND		65-134			
Benzene		50.0	5.0	0.24	ug/kg wet	46.0	92	79-127			
Bromochloromethane			5.0	0.36	ug/kg wet	ND		75-134			
Bromodichloromethane			5.0	0.67	ug/kg wet	ND		80-122			
Bromoform			5.0	2.5	ug/kg wet	ND		68-126			
Bromomethane			5.0	0.45	ug/kg wet	ND		37-149			
Carbon disulfide			5.0	2.5	ug/kg wet	ND		64-131			
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND		75-135			
Chlorobenzene		50.0	5.0	0.66	ug/kg wet	48.9	98	76-124			
Dibromochloromethane			5.0	0.64	ug/kg wet	ND		76-125			
Chloroethane			5.0	1.1	ug/kg wet	ND		69-135			
Chloroform			5.0	0.31	ug/kg wet	ND		80-118			
Chloromethane			5.0	0.30	ug/kg wet	ND		63-127			
cis-1,2-Dichloroethene		50.0	5.0	0.64	ug/kg wet	45.7	91	81-117			
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND		82-120			
Cyclohexane			5.0	0.70	ug/kg wet	ND		70-130			
Dibromomethane			5.0	0.52	ug/kg wet	ND		73-130			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 08/28/10 (Lab Number:10H2053-BS1, Batch: 10H2053)											
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND		57-142			
Ethylbenzene		50.0	5.0	0.34	ug/kg wet	49.3	99	80-120			
Iodomethane			5.0	0.24	ug/kg wet	ND		59-149			
Isopropylbenzene			5.0	0.75	ug/kg wet	ND		72-120			
Methyl Acetate			5.0	0.93	ug/kg wet	ND		60-140			
Methyl-t-Butyl Ether (MTBE)		50.0	5.0	0.49	ug/kg wet	42.2	84	63-125			
Methylcyclohexane			5.0	0.76	ug/kg wet	ND		60-140			
Methylene Chloride			5.0	2.3	ug/kg wet	ND		61-127			
m-Xylene & p-Xylene		100	10	0.84	ug/kg wet	100	100	70-130			
Naphthalene			5.0	0.67	ug/kg wet	ND		38-137			
n-Butylbenzene			5.0	0.44	ug/kg wet	ND		70-120			
n-Propylbenzene			5.0	0.40	ug/kg wet	ND		70-130			
o-Xylene		50.0	5.0	0.65	ug/kg wet	48.8	98	70-130			
sec-Butylbenzene			5.0	0.44	ug/kg wet	ND		74-120			
Styrene			5.0	0.25	ug/kg wet	ND		80-120			
tert-Butylbenzene			5.0	0.52	ug/kg wet	ND		73-120			
Tetrachloroethene		50.0	5.0	0.67	ug/kg wet	50.3	101	74-122			
Toluene		50.0	5.0	0.38	ug/kg wet	49.6	99	74-128			B
trans-1,2-Dichloroethene		50.0	5.0	0.52	ug/kg wet	46.1	92	78-126			
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND		73-123			
trans-1,4-Dichloro-2-butene			25	2.5	ug/kg wet	ND		38-155			
Trichloroethene		50.0	5.0	1.1	ug/kg wet	46.3	93	77-129			
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND		65-146			
Vinyl acetate			25	12	ug/kg wet	ND		53-134			
Vinyl chloride			5.0	0.61	ug/kg wet	ND		61-133			
Xylenes, total		150	10	0.84	ug/kg wet	149	99	80-120			
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*98*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*107*	*72-126*			
Surrogate: Toluene-d8					*ug/kg wet*		*113*	*71-125*			
Matrix Spike Analyzed: 08/28/10 (Lab Number:10H2053-MS1, Batch: 10H2053)											
QC Source Sample: RTH1426-01											
1,1,1,2-Tetrachloroethane	ND		5.9	0.59	ug/kg dry	ND		74-127			
1,1,1-Trichloroethane	ND		5.9	0.43	ug/kg dry	ND		77-121			
1,1,2,2-Tetrachloroethane	ND		5.9	0.96	ug/kg dry	ND		80-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Matrix Spike Analyzed: 08/28/10 (Lab Number:10H2053-MS1, Batch: 10H2053)											
QC Source Sample: RTH1426-01											
1,1,2-Trichloroethane	ND		5.9	0.77	ug/kg dry	ND		78-122			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	1.4	ug/kg dry	ND		60-140			
1,1-Dichloroethane	ND	59.5	5.9	0.73	ug/kg dry	45.4	76	79-126			M8
1,1-Dichloroethene	ND	59.5	5.9	0.73	ug/kg dry	42.2	71	65-153			
1,1-Dichloropropene	ND		5.9	0.84	ug/kg dry	ND		72-128			
1,1-Dimethoxyethane	ND		30	13	ug/kg dry	ND					
1,2,3-Trichlorobenzene	ND		5.9	0.63	ug/kg dry	ND		60-120			
1,2,3-Trichloropropane	ND		5.9	0.61	ug/kg dry	ND		73-128			
1,2,3-Trimethylbenzene	ND		5.9	1.2	ug/kg dry	ND					
1,2,4-Trichlorobenzene	ND		5.9	0.36	ug/kg dry	ND		64-120			
1,2,4-Trimethylbenzene	ND	59.5	5.9	1.1	ug/kg dry	32.5	55	74-120			M8
1,2-Dibromo-3-chloropropane	ND		5.9	3.0	ug/kg dry	ND		63-124			
1,2-Dibromoethane	ND		5.9	0.76	ug/kg dry	ND		78-120			
1,2-Dichlorobenzene	ND	59.5	5.9	0.46	ug/kg dry	31.3	53	75-120			M8
1,2-Dichloroethane	ND	59.5	5.9	0.30	ug/kg dry	40.0	67	77-122			M8
1,2-Dichloroethene, Total	ND		12	3.1	ug/kg dry	84.0		82-120			
1,2-Dichloropropane	ND		5.9	3.0	ug/kg dry	ND		75-124			
1,3,5-Trimethylbenzene	ND		5.9	0.38	ug/kg dry	ND		74-120			
1,3-Dichlorobenzene	ND		5.9	0.31	ug/kg dry	ND		74-120			
1,3-Dichloropropane	ND		5.9	0.36	ug/kg dry	ND		72-127			
1,4-Dichlorobenzene	ND		5.9	0.83	ug/kg dry	ND		73-120			
2-Butanone	ND		30	2.2	ug/kg dry	ND		70-134			
2-Hexanone	ND		30	3.0	ug/kg dry	ND		59-130			
p-Cymene	ND		5.9	0.48	ug/kg dry	ND		74-120			
4-Methyl-2-pentanone	ND		30	2.0	ug/kg dry	ND		65-133			
Acetone	ND		30	5.0	ug/kg dry	ND		61-137			
Acrylonitrile	ND		30	2.4	ug/kg dry	ND		65-134			
Benzene	ND	59.5	5.9	0.29	ug/kg dry	42.0	71	79-127			M8
Bromochloromethane	ND		5.9	0.43	ug/kg dry	ND		75-134			
Bromodichloromethane	ND		5.9	0.80	ug/kg dry	ND		80-122			
Bromoform	ND		5.9	3.0	ug/kg dry	ND		68-126			
Bromomethane	ND		5.9	0.54	ug/kg dry	ND		37-149			
Carbon disulfide	ND		5.9	3.0	ug/kg dry	ND		64-131			
Carbon Tetrachloride	ND		5.9	0.58	ug/kg dry	ND		75-135			
Chlorobenzene	ND	59.5	5.9	0.78	ug/kg dry	40.6	68	76-124			M8
Dibromochloromethane	ND		5.9	0.76	ug/kg dry	ND		76-125			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Matrix Spike Analyzed: 08/28/10 (Lab Number:10H2053-MS1, Batch: 10H2053)											
QC Source Sample: RTH1426-01											
Chloroethane	ND		5.9	1.3	ug/kg dry	ND		69-135			
Chloroform	ND		5.9	0.37	ug/kg dry	ND		80-118			
Chloromethane	ND		5.9	0.36	ug/kg dry	ND		63-127			
cis-1,2-Dichloroethene	ND	59.5	5.9	0.76	ug/kg dry	41.8	70	81-117			M8
cis-1,3-Dichloropropene	ND		5.9	0.86	ug/kg dry	ND		82-120			
Cyclohexane	ND		5.9	0.83	ug/kg dry	ND		70-130			
Dibromomethane	ND		5.9	0.61	ug/kg dry	ND		73-130			
Dichlorodifluoromethane	ND		5.9	0.49	ug/kg dry	ND		57-142			
Ethylbenzene	ND	59.5	5.9	0.41	ug/kg dry	40.1	67	80-120			M8
Iodomethane	ND		5.9	0.29	ug/kg dry	ND		59-149			
Isopropylbenzene	ND		5.9	0.90	ug/kg dry	ND		72-120			
Methyl Acetate	ND		5.9	1.1	ug/kg dry	ND		60-140			
Methyl-t-Butyl Ether (MTBE)	ND	59.5	5.9	0.58	ug/kg dry	37.8	64	63-125			
Methylcyclohexane	ND		5.9	0.90	ug/kg dry	ND		60-140			
Methylene Chloride	ND		5.9	2.7	ug/kg dry	ND		61-127			
m-Xylene & p-Xylene	ND	119	12	1.0	ug/kg dry	80.5	68	70-130			M8
Naphthalene	ND		5.9	0.80	ug/kg dry	ND		38-137			
n-Butylbenzene	ND		5.9	0.52	ug/kg dry	ND		70-120			
n-Propylbenzene	ND		5.9	0.48	ug/kg dry	ND		70-130			
o-Xylene	ND	59.5	5.9	0.78	ug/kg dry	40.0	67	70-130			M8
sec-Butylbenzene	ND		5.9	0.52	ug/kg dry	ND		74-120			
Styrene	ND		5.9	0.30	ug/kg dry	ND		80-120			
tert-Butylbenzene	ND		5.9	0.62	ug/kg dry	ND		73-120			
Tetrachloroethene	ND	59.5	5.9	0.80	ug/kg dry	40.7	68	74-122			M8
Toluene	ND	59.5	5.9	0.45	ug/kg dry	42.6	72	74-128			M8,B
trans-1,2-Dichloroethene	ND	59.5	5.9	0.61	ug/kg dry	42.2	71	78-126			M8
trans-1,3-Dichloropropene	ND		5.9	2.6	ug/kg dry	ND		73-123			
trans-1,4-Dichloro-2-butene	ND		30	3.0	ug/kg dry	ND		38-155			
Trichloroethene	ND	59.5	5.9	1.3	ug/kg dry	40.2	68	77-129			M8
Trichlorofluoromethane	ND		5.9	0.56	ug/kg dry	ND		65-146			
Vinyl acetate	ND		30	14	ug/kg dry	ND		53-134			
Vinyl chloride	ND		5.9	0.73	ug/kg dry	ND		61-133			
Xylenes, total	ND	178	12	1.0	ug/kg dry	120	68	80-120			M8
Surrogate: 1,2-Dichloroethane-d4					*ug/kg dry*		*91*	*64-126*			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Matrix Spike Analyzed: 08/28/10 (Lab Number:10H2053-MS1, Batch: 10H2053)											
QC Source Sample: RTH1426-01											
Surrogate: 4-Bromofluorobenzene					*ug/kg dry*		*103*	*72-126*			
Surrogate: Toluene-d8					*ug/kg dry*		*114*	*71-125*			
Matrix Spike Dup Analyzed: 08/29/10 (Lab Number:10H2053-MSD1, Batch: 10H2053)											
QC Source Sample: RTH1426-01											
1,1,1,2-Tetrachloroethane	ND		5.9	0.59	ug/kg dry	ND		74-127		20	
1,1,1-Trichloroethane	ND		5.9	0.43	ug/kg dry	ND		77-121		20	
1,1,2,2-Tetrachloroethane	ND		5.9	0.96	ug/kg dry	ND		80-120		20	
1,1,2-Trichloroethane	ND		5.9	0.77	ug/kg dry	ND		78-122		20	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	1.3	ug/kg dry	ND		60-140		20	
1,1-Dichloroethane	ND	59.1	5.9	0.72	ug/kg dry	42.3	72	79-126	7	20	M8
1,1-Dichloroethene	ND	59.1	5.9	0.72	ug/kg dry	38.6	65	65-153	9	22	
1,1-Dichloropropene	ND		5.9	0.84	ug/kg dry	ND		72-128		20	
1,1-Dimethoxyethane	ND		30	13	ug/kg dry	ND					
1,2,3-Trichlorobenzene	ND		5.9	0.63	ug/kg dry	ND		60-120		20	
1,2,3-Trichloropropane	ND		5.9	0.60	ug/kg dry	ND		73-128		20	
1,2,3-Trimethylbenzene	ND		5.9	1.2	ug/kg dry	ND					
1,2,4-Trichlorobenzene	ND		5.9	0.36	ug/kg dry	ND		64-120		20	
1,2,4-Trimethylbenzene	ND	59.1	5.9	1.1	ug/kg dry	31.9	54	74-120	2	20	M8
1,2-Dibromo-3-chloropropane	ND		5.9	3.0	ug/kg dry	ND		63-124		20	
1,2-Dibromoethane	ND		5.9	0.76	ug/kg dry	ND		78-120		20	
1,2-Dichlorobenzene	ND	59.1	5.9	0.46	ug/kg dry	32.3	55	75-120	3	20	M8
1,2-Dichloroethane	ND	59.1	5.9	0.30	ug/kg dry	39.6	67	77-122	1	20	M8
1,2-Dichloroethene, Total	ND		12	3.1	ug/kg dry	77.5		82-120	8	20	
1,2-Dichloropropane	ND		5.9	3.0	ug/kg dry	ND		75-124		20	
1,3,5-Trimethylbenzene	ND		5.9	0.38	ug/kg dry	ND		74-120		20	
1,3-Dichlorobenzene	ND		5.9	0.30	ug/kg dry	ND		74-120		20	
1,3-Dichloropropane	ND		5.9	0.35	ug/kg dry	ND		72-127		20	
1,4-Dichlorobenzene	ND		5.9	0.83	ug/kg dry	ND		73-120		20	
2-Butanone	ND		30	2.2	ug/kg dry	ND		70-134		20	
2-Hexanone	ND		30	3.0	ug/kg dry	ND		59-130		20	
p-Cymene	ND		5.9	0.47	ug/kg dry	ND		74-120		20	
4-Methyl-2-pentanone	ND		30	1.9	ug/kg dry	ND		65-133		20	
Acetone	ND		30	5.0	ug/kg dry	ND		61-137		15	
Acrylonitrile	ND		30	2.4	ug/kg dry	ND		65-134		20	
Benzene	ND	59.1	5.9	0.29	ug/kg dry	39.6	67	79-127	6	20	M8

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Volatile Organic Compounds by EPA 8260B

Matrix Spike Dup Analyzed: 08/29/10 (Lab Number:10H2053-MSD1, Batch: 10H2053)

QC Source Sample: RTH1426-01

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Bromochloromethane	ND		5.9	0.43	ug/kg dry	ND		75-134		20	
Bromodichloromethane	ND		5.9	0.79	ug/kg dry	ND		80-122		20	
Bromoform	ND		5.9	3.0	ug/kg dry	ND		68-126		20	
Bromomethane	ND		5.9	0.53	ug/kg dry	ND		37-149		20	
Carbon disulfide	ND		5.9	3.0	ug/kg dry	ND		64-131		20	
Carbon Tetrachloride	ND		5.9	0.57	ug/kg dry	ND		75-135		20	
Chlorobenzene	ND	59.1	5.9	0.78	ug/kg dry	38.6	65	76-124	5	25	M8
Dibromochloromethane	ND		5.9	0.76	ug/kg dry	ND		76-125		20	
Chloroethane	ND		5.9	1.3	ug/kg dry	ND		69-135		20	
Chloroform	ND		5.9	0.37	ug/kg dry	ND		80-118		20	
Chloromethane	ND		5.9	0.36	ug/kg dry	ND		63-127		20	
cis-1,2-Dichloroethene	ND	59.1	5.9	0.76	ug/kg dry	38.9	66	81-117	7	20	M8
cis-1,3-Dichloropropene	ND		5.9	0.85	ug/kg dry	ND		82-120		20	
Cyclohexane	ND		5.9	0.83	ug/kg dry	ND		70-130		20	
Dibromomethane	ND		5.9	0.61	ug/kg dry	ND		73-130		20	
Dichlorodifluoromethane	ND		5.9	0.49	ug/kg dry	ND		57-142		20	
Ethylbenzene	ND	59.1	5.9	0.41	ug/kg dry	37.5	64	80-120	6	20	M8
Iodomethane	ND		5.9	0.29	ug/kg dry	ND		59-149		20	
Isopropylbenzene	ND		5.9	0.89	ug/kg dry	ND		72-120		20	
Methyl Acetate	ND		5.9	1.1	ug/kg dry	ND		60-140		20	
Methyl-t-Butyl Ether (MTBE)	ND	59.1	5.9	0.58	ug/kg dry	37.8	64	63-125	0.1	20	
Methylcyclohexane	ND		5.9	0.90	ug/kg dry	ND		60-140		20	
Methylene Chloride	ND		5.9	2.7	ug/kg dry	ND		61-127		15	
m-Xylene & p-Xylene	ND	118	12	0.99	ug/kg dry	75.5	64	70-130	6	20	M8
Naphthalene	ND		5.9	0.79	ug/kg dry	ND		38-137		20	
n-Butylbenzene	ND		5.9	0.51	ug/kg dry	ND		70-120		20	
n-Propylbenzene	ND		5.9	0.47	ug/kg dry	ND		70-130		20	
o-Xylene	ND	59.1	5.9	0.77	ug/kg dry	38.1	64	70-130	5	20	M8
sec-Butylbenzene	ND		5.9	0.51	ug/kg dry	ND		74-120		20	
Styrene	ND		5.9	0.30	ug/kg dry	ND		80-120		20	
tert-Butylbenzene	ND		5.9	0.61	ug/kg dry	ND		73-120		20	
Tetrachloroethene	ND	59.1	5.9	0.79	ug/kg dry	37.1	63	74-122	9	20	M8
Toluene	ND	59.1	5.9	0.45	ug/kg dry	40.0	68	74-128	6	20	M8,B
trans-1,2-Dichloroethene	ND	59.1	5.9	0.61	ug/kg dry	38.6	65	78-126	9	20	M8
trans-1,3-Dichloropropene	ND		5.9	2.6	ug/kg dry	ND		73-123		20	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Matrix Spike Dup Analyzed: 08/29/10 (Lab Number:10H2053-MSD1, Batch: 10H2053)											
QC Source Sample: RTH1426-01											
trans-1,4-Dichloro-2-butene	ND		30	3.0	ug/kg dry	ND		38-155		20	
Trichloroethene	ND	59.1	5.9	1.3	ug/kg dry	37.3	63	77-129	8	24	M8
Trichlorofluoromethane	ND		5.9	0.56	ug/kg dry	ND		65-146		20	
Vinyl acetate	ND		30	14	ug/kg dry	ND		53-134		20	
Vinyl chloride	ND		5.9	0.72	ug/kg dry	ND		61-133		20	
Xylenes, total	ND	177	12	0.99	ug/kg dry	114	64	80-120	6	20	M8
Surrogate: 1,2-Dichloroethane-d4					*ug/kg dry*		*89*	*64-126*			
Surrogate: 4-Bromofluorobenzene					*ug/kg dry*		*101*	*72-126*			
Surrogate: Toluene-d8					*ug/kg dry*		*109*	*71-125*			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Blank Analyzed: 09/01/10 (Lab Number:10H2093-BLK1, Batch: 10H2093)											
2,4,5-Trichlorophenol			170	36	ug/kg wet	ND					
2,4,6-Trichlorophenol			170	11	ug/kg wet	ND					
2,4-Dichlorophenol			170	8.7	ug/kg wet	ND					
2,4-Dimethylphenol			170	45	ug/kg wet	ND					
2,4-Dinitrophenol			330	58	ug/kg wet	ND					
2,4-Dinitrotoluene			170	26	ug/kg wet	ND					
2,6-Dinitrotoluene			170	41	ug/kg wet	ND					
2-Chloronaphthalene			170	11	ug/kg wet	ND					
2-Chlorophenol			170	8.5	ug/kg wet	ND					
2-Methylnaphthalene			170	2.0	ug/kg wet	ND					
2-Methylphenol			170	5.1	ug/kg wet	ND					
2-Nitroaniline			330	53	ug/kg wet	ND					
2-Nitrophenol			170	7.6	ug/kg wet	ND					
3,3'-Dichlorobenzidine			170	150	ug/kg wet	ND					
3-Nitroaniline			330	38	ug/kg wet	ND					
4,6-Dinitro-2-methylphenol			330	58	ug/kg wet	ND					
4-Bromophenyl phenyl ether			170	53	ug/kg wet	ND					
4-Chloro-3-methylphenol			170	6.9	ug/kg wet	ND					
4-Chloroaniline			170	49	ug/kg wet	ND					
4-Chlorophenyl phenyl ether			170	3.5	ug/kg wet	ND					
4-Methylphenol			170	9.3	ug/kg wet	ND					
4-Nitroaniline			330	19	ug/kg wet	ND					
4-Nitrophenol			330	40	ug/kg wet	ND					
Acenaphthene			170	2.0	ug/kg wet	ND					
Acenaphthylene			170	1.4	ug/kg wet	ND					
Acetophenone			170	8.5	ug/kg wet	ND					
Anthracene			170	4.3	ug/kg wet	ND					
Atrazine			170	7.4	ug/kg wet	ND					
Benzaldehyde			170	18	ug/kg wet	ND					
Benzo(a)anthracene			170	2.9	ug/kg wet	ND					
Benzo(a)pyrene			170	4.0	ug/kg wet	ND					
Benzo(b)fluoranthene			170	3.2	ug/kg wet	ND					
Benzo(ghi)perylene			170	2.0	ug/kg wet	ND					
Benzo(k)fluoranthene			170	1.8	ug/kg wet	ND					
Biphenyl			170	10	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Blank Analyzed: 09/01/10 (Lab Number:10H2093-BLK1, Batch: 10H2093)											
Bis(2-chloroethoxy)methane			170	9.1	ug/kg wet	ND					
Bis(2-chloroethyl)ether			170	14	ug/kg wet	ND					
2,2'-Oxybis(1-Chloropropane)			170	17	ug/kg wet	ND					
Bis(2-ethylhexyl) phthalate			170	54	ug/kg wet	ND					
Butyl benzyl phthalate			170	45	ug/kg wet	ND					
Caprolactam			170	72	ug/kg wet	ND					
Carbazole			170	1.9	ug/kg wet	ND					
Chrysene			170	1.7	ug/kg wet	ND					
Dibenzo(a,h)anthracene			170	2.0	ug/kg wet	ND					
Dibenzofuran			170	1.7	ug/kg wet	ND					
Diethyl phthalate			170	5.0	ug/kg wet	ND					
Dimethyl phthalate			170	4.3	ug/kg wet	ND					
Di-n-butyl phthalate			170	58	ug/kg wet	ND					
Di-n-octyl phthalate			170	3.9	ug/kg wet	ND					
Fluoranthene			170	2.4	ug/kg wet	ND					
Fluorene			170	3.8	ug/kg wet	ND					
Hexachlorobenzene			170	8.3	ug/kg wet	ND					
Hexachlorobutadiene			170	8.5	ug/kg wet	ND					
Hexachlorocyclopentadiene			170	50	ug/kg wet	ND					
Hexachloroethane			170	13	ug/kg wet	ND					
Indeno(1,2,3-cd)pyrene			170	4.6	ug/kg wet	ND					
Isophorone			170	8.3	ug/kg wet	ND					
Naphthalene			170	2.8	ug/kg wet	ND					
Nitrobenzene			170	7.4	ug/kg wet	ND					
N-Nitrosodi-n-propylamine			170	13	ug/kg wet	ND					
N-Nitrosodiphenylamine			170	9.1	ug/kg wet	ND					
Pentachlorophenol			330	57	ug/kg wet	ND					
Phenanthrene			170	3.5	ug/kg wet	ND					
Phenol			170	18	ug/kg wet	ND					
Pyrene			170	1.1	ug/kg wet	ND					
Surrogate: 2,4,6-Tribromophenol					*ug/kg wet*		*85*	*39-146*			
Surrogate: 2-Fluorobiphenyl					*ug/kg wet*		*71*	*37-120*			
Surrogate: 2-Fluorophenol					*ug/kg wet*		*68*	*18-120*			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Blank Analyzed: 09/01/10 (Lab Number:10H2093-BLK1, Batch: 10H2093)											
Surrogate: Nitrobenzene-d5					*ug/kg wet*		*67*	*34-132*			
Surrogate: Phenol-d5					*ug/kg wet*		*71*	*11-120*			
Surrogate: p-Terphenyl-d14					*ug/kg wet*		*78*	*58-147*			
LCS Analyzed: 09/01/10 (Lab Number:10H2093-BS1, Batch: 10H2093)											
1,2,4-Trichlorobenzene		3260	320	4.7	ug/kg wet	2040	63	39-120			
1,2-Dichlorobenzene			320	3.2	ug/kg wet	ND		18-120			
1,3-Dichlorobenzene			320	3.0	ug/kg wet	ND		14-120			
1,4-Dichlorobenzene		3260	320	2.2	ug/kg wet	1840	56	34-120			
1,4-Dioxane			320	37	ug/kg wet	ND		11-120			
2,4,5-Trichlorophenol			170	36	ug/kg wet	ND		59-126			
2,4,6-Trichlorophenol			170	11	ug/kg wet	ND		59-123			
2,4-Dichlorophenol			170	8.7	ug/kg wet	ND		52-120			
2,4-Dimethylphenol			170	45	ug/kg wet	ND		36-120			
2,4-Dinitrophenol			320	58	ug/kg wet	ND		35-146			
2,4-Dinitrotoluene		3260	170	26	ug/kg wet	2520	77	55-125			
2,6-Dinitrotoluene			170	40	ug/kg wet	ND		66-128			
2-Chloronaphthalene			170	11	ug/kg wet	ND		57-120			
2-Chlorophenol		4900	170	8.4	ug/kg wet	3100	63	38-120			
2-Methylnaphthalene			170	2.0	ug/kg wet	ND		47-120			
2-Methylphenol			170	5.1	ug/kg wet	ND		48-120			
2-Nitroaniline			320	53	ug/kg wet	ND		61-130			
2-Nitrophenol			170	7.6	ug/kg wet	ND		50-120			
3,3'-Dichlorobenzidine			170	140	ug/kg wet	ND		48-126			
3-Nitroaniline			320	38	ug/kg wet	ND		61-127			
4,6-Dinitro-2-methylphenol			320	57	ug/kg wet	ND		49-155			
4-Bromophenyl phenyl ether			170	53	ug/kg wet	ND		58-131			
4-Chloro-3-methylphenol		4900	170	6.8	ug/kg wet	3480	71	49-125			
4-Chloroaniline			170	49	ug/kg wet	ND		49-120			
4-Chlorophenyl phenyl ether			170	3.5	ug/kg wet	ND		63-124			
4-Methylphenol			170	9.2	ug/kg wet	ND		50-119			
4-Nitroaniline			320	18	ug/kg wet	ND		63-128			
4-Nitrophenol		4900	320	40	ug/kg wet	3910	80	43-137			
Acenaphthene		3260	170	1.9	ug/kg wet	2350	72	53-120			
Acenaphthylene			170	1.4	ug/kg wet	ND		58-121			
Acetophenone			170	8.5	ug/kg wet	ND		66-120			

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
LCS Analyzed: 09/01/10 (Lab Number:10H2093-BS1, Batch: 10H2093)											
Anthracene			170	4.2	ug/kg wet	ND		62-129			
Atrazine			170	7.4	ug/kg wet	ND		73-133			
Benzaldehyde			170	18	ug/kg wet	ND		21-120			
Benzo(a)anthracene			170	2.9	ug/kg wet	ND		65-133			
Benzo(a)pyrene			170	4.0	ug/kg wet	ND		64-127			
Benzo(b)fluoranthene			170	3.2	ug/kg wet	ND		64-135			
Benzo(ghi)perylene			170	2.0	ug/kg wet	ND		50-152			
Benzo(k)fluoranthene			170	1.8	ug/kg wet	ND		58-138			
Biphenyl			170	10	ug/kg wet	ND		71-120			
Bis(2-chloroethoxy)methane			170	9.0	ug/kg wet	ND		61-133			
Bis(2-chloroethyl)ether			170	14	ug/kg wet	ND		45-120			
2,2'-Oxybis(1-Chloropropane)			170	17	ug/kg wet	ND		44-120			
Bis(2-ethylhexyl) phthalate			170	53	ug/kg wet	ND		61-133			
Butyl benzyl phthalate			170	44	ug/kg wet	ND		61-129			
Caprolactam			170	72	ug/kg wet	ND		54-133			
Carbazole			170	1.9	ug/kg wet	ND		59-129			
Chrysene			170	1.7	ug/kg wet	ND		64-131			
Dibenzo(a,h)anthracene			170	1.9	ug/kg wet	ND		54-148			
Dibenzofuran			170	1.7	ug/kg wet	ND		56-120			
Diethyl phthalate			170	5.0	ug/kg wet	ND		66-126			
Dimethyl phthalate			170	4.3	ug/kg wet	ND		65-124			
Di-n-butyl phthalate			170	57	ug/kg wet	ND		58-130			
Di-n-octyl phthalate			170	3.9	ug/kg wet	ND		62-133			
Fluoranthene			170	2.4	ug/kg wet	28.4		62-131			J
Fluorene			170	3.8	ug/kg wet	ND		63-126			
Hexachlorobenzene			170	8.2	ug/kg wet	ND		60-132			
Hexachlorobutadiene			170	8.5	ug/kg wet	ND		45-120			
Hexachlorocyclopentadiene			170	50	ug/kg wet	ND		31-120			
Hexachloroethane			170	13	ug/kg wet	ND		41-120			
Indeno(1,2,3-cd)pyrene			170	4.6	ug/kg wet	ND		56-149			
Isophorone			170	8.3	ug/kg wet	ND		56-120			
Naphthalene			170	2.8	ug/kg wet	ND		46-120			
Nitrobenzene			170	7.3	ug/kg wet	ND		49-120			
N-Nitrosodi-n-propylamine		3260	170	13	ug/kg wet	2220	68	46-120			
N-Nitrosodiphenylamine			170	9.0	ug/kg wet	ND		20-119			

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
LCS Analyzed: 09/01/10 (Lab Number:10H2093-BS1, Batch: 10H2093)											
Pentachlorophenol		4900	320	57	ug/kg wet	3420	70	33-136			
Phenanthrene			170	3.5	ug/kg wet	ND		60-130			
Phenol		4900	170	17	ug/kg wet	2870	59	36-120			
Pyrene		3260	170	1.1	ug/kg wet	2550	78	51-133			
Surrogate: 2,4,6-Tribromophenol					*ug/kg wet*		*81*	*39-146*			
Surrogate: 2-Fluorobiphenyl					*ug/kg wet*		*67*	*37-120*			
Surrogate: 2-Fluorophenol					*ug/kg wet*		*61*	*18-120*			
Surrogate: Nitrobenzene-d5					*ug/kg wet*		*62*	*34-132*			
Surrogate: Phenol-d5					*ug/kg wet*		*62*	*11-120*			
Surrogate: p-Terphenyl-d14					*ug/kg wet*		*76*	*58-147*			
LCS Dup Analyzed: 09/01/10 (Lab Number:10H2093-BSD1, Batch: 10H2093)											
1,2,4-Trichlorobenzene		3280	320	4.8	ug/kg wet	1690	52	39-120	19	30	
1,2-Dichlorobenzene			320	3.2	ug/kg wet	ND		18-120		29	
1,3-Dichlorobenzene			320	3.0	ug/kg wet	ND		14-120		37	
1,4-Dichlorobenzene		3280	320	2.2	ug/kg wet	1620	49	34-120	13	35	
1,4-Dioxane			320	37	ug/kg wet	ND		11-120		50	
2,4,5-Trichlorophenol			170	36	ug/kg wet	ND		59-126		18	
2,4,6-Trichlorophenol			170	11	ug/kg wet	ND		59-123		19	
2,4-Dichlorophenol			170	8.7	ug/kg wet	ND		52-120		19	
2,4-Dimethylphenol			170	45	ug/kg wet	ND		36-120		42	
2,4-Dinitrophenol			320	58	ug/kg wet	ND		35-146		22	
2,4-Dinitrotoluene		3280	170	26	ug/kg wet	2540	77	55-125	0.7	20	
2,6-Dinitrotoluene			170	41	ug/kg wet	ND		66-128		15	
2-Chloronaphthalene			170	11	ug/kg wet	ND		57-120		21	
2-Chlorophenol		4920	170	8.5	ug/kg wet	2690	55	38-120	14	25	
2-Methylnaphthalene			170	2.0	ug/kg wet	ND		47-120		21	
2-Methylphenol			170	5.1	ug/kg wet	ND		48-120		27	
2-Nitroaniline			320	53	ug/kg wet	ND		61-130		15	
2-Nitrophenol			170	7.6	ug/kg wet	ND		50-120		18	
3,3'-Dichlorobenzidine			170	150	ug/kg wet	ND		48-126		25	
3-Nitroaniline			320	38	ug/kg wet	ND		61-127		19	
4,6-Dinitro-2-methylphenol			320	57	ug/kg wet	ND		49-155		15	
4-Bromophenyl phenyl ether			170	53	ug/kg wet	ND		58-131		15	
4-Chloro-3-methylphenol		4920	170	6.8	ug/kg wet	3000	61	49-125	15	27	

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
LCS Dup Analyzed: 09/01/10 (Lab Number:10H2093-BSD1, Batch: 10H2093)											
4-Chloroaniline			170	49	ug/kg wet	ND		49-120		22	
4-Chlorophenyl phenyl ether			170	3.5	ug/kg wet	ND		63-124		16	
4-Methylphenol			170	9.2	ug/kg wet	ND		50-119		24	
4-Nitroaniline			320	19	ug/kg wet	ND		63-128		24	
4-Nitrophenol		4920	320	40	ug/kg wet	4010	82	43-137	3	25	
Acenaphthene		3280	170	2.0	ug/kg wet	2020	61	53-120	15	35	
Acenaphthylene			170	1.4	ug/kg wet	ND		58-121		18	
Acetophenone			170	8.5	ug/kg wet	ND		66-120		20	
Anthracene			170	4.3	ug/kg wet	ND		62-129		15	
Atrazine			170	7.4	ug/kg wet	ND		73-133		20	
Benzaldehyde			170	18	ug/kg wet	ND		21-120		20	
Benzo(a)anthracene			170	2.9	ug/kg wet	ND		65-133		15	
Benzo(a)pyrene			170	4.0	ug/kg wet	ND		64-127		15	
Benzo(b)fluoranthene			170	3.2	ug/kg wet	ND		64-135		15	
Benzo(ghi)perylene			170	2.0	ug/kg wet	ND		50-152		15	
Benzo(k)fluoranthene			170	1.8	ug/kg wet	ND		58-138		22	
Biphenyl			170	10	ug/kg wet	ND		71-120		20	
Bis(2-chloroethoxy)methane			170	9.0	ug/kg wet	ND		61-133		17	
Bis(2-chloroethyl)ether			170	14	ug/kg wet	ND		45-120		21	
2,2'-Oxybis(1-Chloropropane)			170	17	ug/kg wet	ND		44-120		24	
Bis(2-ethylhexyl) phthalate			170	54	ug/kg wet	ND		61-133		15	
Butyl benzyl phthalate			170	45	ug/kg wet	ND		61-129		16	
Caprolactam			170	72	ug/kg wet	ND		54-133		20	
Carbazole			170	1.9	ug/kg wet	ND		59-129		20	
Chrysene			170	1.7	ug/kg wet	ND		64-131		15	
Dibenzo(a,h)anthracene			170	2.0	ug/kg wet	ND		54-148		15	
Dibenzofuran			170	1.7	ug/kg wet	ND		56-120		15	
Diethyl phthalate			170	5.0	ug/kg wet	ND		66-126		15	
Dimethyl phthalate			170	4.3	ug/kg wet	ND		65-124		15	
Di-n-butyl phthalate			170	57	ug/kg wet	ND		58-130		15	
Di-n-octyl phthalate			170	3.9	ug/kg wet	ND		62-133		16	
Fluoranthene			170	2.4	ug/kg wet	25.3		62-131	12	15	J
Fluorene			170	3.8	ug/kg wet	ND		63-126		15	
Hexachlorobenzene			170	8.3	ug/kg wet	ND		60-132		15	
Hexachlorobutadiene			170	8.5	ug/kg wet	ND		45-120		44	

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
LCS Dup Analyzed: 09/01/10 (Lab Number:10H2093-BSD1, Batch: 10H2093)											
Hexachlorocyclopentadiene			170	50	ug/kg wet	ND		31-120		49	
Hexachloroethane			170	13	ug/kg wet	ND		41-120		46	
Indeno(1,2,3-cd)pyrene			170	4.6	ug/kg wet	ND		56-149		15	
Isophorone			170	8.3	ug/kg wet	ND		56-120		17	
Naphthalene			170	2.8	ug/kg wet	ND		46-120		29	
Nitrobenzene			170	7.4	ug/kg wet	ND		49-120		24	
N-Nitrosodi-n-propylamine		3280	170	13	ug/kg wet	1930	59	46-120	14	31	
N-Nitrosodiphenylamine			170	9.1	ug/kg wet	ND		20-119		15	
Pentachlorophenol		4920	320	57	ug/kg wet	3540	72	33-136	4	35	
Phenanthrene			170	3.5	ug/kg wet	ND		60-130		15	
Phenol		4920	170	17	ug/kg wet	2430	49	36-120	17	35	
Pyrene		3280	170	1.1	ug/kg wet	2590	79	51-133	1	35	
Surrogate: 2,4,6-Tribromophenol					*ug/kg wet*		*75*	*39-146*			
Surrogate: 2-Fluorobiphenyl					*ug/kg wet*		*57*	*37-120*			
Surrogate: 2-Fluorophenol					*ug/kg wet*		*52*	*18-120*			
Surrogate: Nitrobenzene-d5					*ug/kg wet*		*52*	*34-132*			
Surrogate: Phenol-d5					*ug/kg wet*		*55*	*11-120*			
Surrogate: p-Terphenyl-d14					*ug/kg wet*		*74*	*58-147*			

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides by EPA Method 8081A											
Blank Analyzed: 08/31/10 (Lab Number:10H2094-BLK1, Batch: 10H2094)											
4,4'-DDD			1.7	0.32	ug/kg wet	ND					
4,4'-DDD [2C]			1.7	0.32	ug/kg wet	ND					
4,4'-DDE			1.7	0.25	ug/kg wet	ND					
4,4'-DDE [2C]			1.7	0.25	ug/kg wet	ND					
4,4'-DDT			1.7	0.17	ug/kg wet	ND					
4,4'-DDT [2C]			1.7	0.17	ug/kg wet	ND					
Aldrin			1.7	0.41	ug/kg wet	ND					
Aldrin [2C]			1.7	0.41	ug/kg wet	ND					
alpha-BHC			1.7	0.30	ug/kg wet	ND					
alpha-BHC [2C]			1.7	0.30	ug/kg wet	ND					
beta-BHC			1.7	0.18	ug/kg wet	ND					
beta-BHC [2C]			1.7	0.18	ug/kg wet	ND					
Chlordane			17	3.7	ug/kg wet	ND					
Chlordane [2C]			17	3.7	ug/kg wet	ND					
delta-BHC			1.7	0.22	ug/kg wet	ND					
delta-BHC [2C]			1.7	0.22	ug/kg wet	ND					
Dieldrin			1.7	0.40	ug/kg wet	ND					
Dieldrin [2C]			1.7	0.40	ug/kg wet	ND					
Endosulfan I			1.7	0.21	ug/kg wet	ND					
Endosulfan I [2C]			1.7	0.21	ug/kg wet	ND					
Endosulfan II			1.7	0.30	ug/kg wet	ND					
Endosulfan II [2C]			1.7	0.30	ug/kg wet	ND					
Endosulfan sulfate			1.7	0.31	ug/kg wet	ND					
Endosulfan sulfate [2C]			1.7	0.31	ug/kg wet	ND					
Endrin			1.7	0.23	ug/kg wet	ND					
Endrin [2C]			1.7	0.23	ug/kg wet	ND					
Endrin aldehyde			1.7	0.42	ug/kg wet	ND					
Endrin aldehyde [2C]			1.7	0.42	ug/kg wet	ND					
gamma-BHC (Lindane)			1.7	0.29	ug/kg wet	ND					
gamma-BHC (Lindane) [2C]			1.7	0.29	ug/kg wet	ND					
Heptachlor			1.7	0.26	ug/kg wet	ND					
Heptachlor [2C]			1.7	0.26	ug/kg wet	ND					
Heptachlor epoxide			1.7	0.43	ug/kg wet	ND					
Heptachlor epoxide [2C]			1.7	0.43	ug/kg wet	ND					
Methoxychlor			1.7	0.23	ug/kg wet	ND					
Methoxychlor [2C]			1.7	0.23	ug/kg wet	ND					
Toxaphene			17	9.6	ug/kg wet	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides by EPA Method 8081A											
Blank Analyzed: 08/31/10 (Lab Number:10H2094-BLK1, Batch: 10H2094)											
Toxaphene [2C]			17	9.6	ug/kg wet	ND					
Surrogate: Decachlorobiphenyl					*ug/kg wet*		*109*	*42-146*			
Surrogate: Decachlorobiphenyl [2C]					*ug/kg wet*		*98*	*42-146*			
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*67*	*37-136*			
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*81*	*37-136*			
LCS Analyzed: 08/31/10 (Lab Number:10H2094-BS1, Batch: 10H2094)											
4,4'-DDD		16.6	1.7	0.32	ug/kg wet	13.5	81	55-129			
4,4'-DDD [2C]		16.6	1.7	0.32	ug/kg wet	15.4	93	55-129			
4,4'-DDE		16.6	1.7	0.25	ug/kg wet	13.4	81	59-120			
4,4'-DDE [2C]		16.6	1.7	0.25	ug/kg wet	15.6	94	59-120			
4,4'-DDT		16.6	1.7	0.17	ug/kg wet	13.6	82	47-145			
4,4'-DDT [2C]		16.6	1.7	0.17	ug/kg wet	15.4	93	47-145			
Aldrin		16.6	1.7	0.41	ug/kg wet	10.9	66	35-120			
Aldrin [2C]		16.6	1.7	0.41	ug/kg wet	13.4	81	35-120			
alpha-BHC		16.6	1.7	0.30	ug/kg wet	11.6	70	49-120			
alpha-BHC [2C]		16.6	1.7	0.30	ug/kg wet	14.1	85	49-120			
beta-BHC		16.6	1.7	0.18	ug/kg wet	12.7	76	56-120			
beta-BHC [2C]		16.6	1.7	0.18	ug/kg wet	15.4	93	56-120			
delta-BHC		16.6	1.7	0.22	ug/kg wet	12.4	75	45-123			
delta-BHC [2C]		16.6	1.7	0.22	ug/kg wet	15.0	90	45-123			
Dieldrin		16.6	1.7	0.40	ug/kg wet	13.2	80	57-120			
Dieldrin [2C]		16.6	1.7	0.40	ug/kg wet	15.0	91	57-120			
Endosulfan I		16.6	1.7	0.21	ug/kg wet	12.3	74	29-125			
Endosulfan I [2C]		16.6	1.7	0.21	ug/kg wet	14.1	85	29-125			
Endosulfan II		16.6	1.7	0.30	ug/kg wet	12.3	74	39-121			
Endosulfan II [2C]		16.6	1.7	0.30	ug/kg wet	14.1	85	39-121			
Endosulfan sulfate		16.6	1.7	0.31	ug/kg wet	13.4	81	43-120			
Endosulfan sulfate [2C]		16.6	1.7	0.31	ug/kg wet	14.2	85	43-120			
Endrin		16.6	1.7	0.23	ug/kg wet	12.8	78	54-127			
Endrin [2C]		16.6	1.7	0.23	ug/kg wet	14.6	88	54-127			
Endrin aldehyde		16.6	1.7	0.42	ug/kg wet	11.4	69	33-120			
Endrin aldehyde [2C]		16.6	1.7	0.42	ug/kg wet	13.0	79	33-120			
gamma-BHC (Lindane)		16.6	1.7	0.29	ug/kg wet	12.5	75	50-120			
gamma-BHC (Lindane) [2C]		16.6	1.7	0.29	ug/kg wet	15.1	91	50-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides by EPA Method 8081A											
LCS Analyzed: 08/31/10 (Lab Number:10H2094-BS1, Batch: 10H2094)											
Heptachlor		16.6	1.7	0.26	ug/kg wet	12.6	76	47-120			
Heptachlor [2C]		16.6	1.7	0.26	ug/kg wet	14.7	89	47-120			
Heptachlor epoxide		16.6	1.7	0.43	ug/kg wet	13.2	80	44-122			
Heptachlor epoxide [2C]		16.6	1.7	0.43	ug/kg wet	15.2	92	44-122			
Methoxychlor		16.6	1.7	0.23	ug/kg wet	13.5	82	46-152			
Methoxychlor [2C]		16.6	1.7	0.23	ug/kg wet	16.1	97	46-152			
Surrogate: Decachlorobiphenyl					*ug/kg wet*		*92*	*42-146*			
Surrogate: Decachlorobiphenyl [2C]					*ug/kg wet*		*93*	*42-146*			
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*65*	*37-136*			
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*78*	*37-136*			
LCS Dup Analyzed: 08/31/10 (Lab Number:10H2094-BSD1, Batch: 10H2094)											
4,4'-DDD		16.5	1.7	0.32	ug/kg wet	14.4	88	55-129	7	18	
4,4'-DDD [2C]		16.5	1.7	0.32	ug/kg wet	17.0	103	55-129	10	18	
4,4'-DDE		16.5	1.7	0.25	ug/kg wet	14.3	87	59-120	6	16	
4,4'-DDE [2C]		16.5	1.7	0.25	ug/kg wet	16.7	101	59-120	7	16	
4,4'-DDT		16.5	1.7	0.17	ug/kg wet	14.5	88	47-145	7	17	
4,4'-DDT [2C]		16.5	1.7	0.17	ug/kg wet	16.6	101	47-145	7	17	
Aldrin		16.5	1.7	0.41	ug/kg wet	11.1	67	35-120	1	24	
Aldrin [2C]		16.5	1.7	0.41	ug/kg wet	14.1	86	35-120	5	24	
alpha-BHC		16.5	1.7	0.30	ug/kg wet	12.6	76	49-120	8	19	
alpha-BHC [2C]		16.5	1.7	0.30	ug/kg wet	15.3	93	49-120	8	19	
beta-BHC		16.5	1.7	0.18	ug/kg wet	13.7	83	56-120	8	17	
beta-BHC [2C]		16.5	1.7	0.18	ug/kg wet	16.7	102	56-120	9	17	
delta-BHC		16.5	1.7	0.22	ug/kg wet	13.4	81	45-123	8	14	
delta-BHC [2C]		16.5	1.7	0.22	ug/kg wet	16.2	98	45-123	8	14	
Dieldrin		16.5	1.7	0.40	ug/kg wet	14.2	86	57-120	7	13	
Dieldrin [2C]		16.5	1.7	0.40	ug/kg wet	16.1	98	57-120	7	13	
Endosulfan I		16.5	1.7	0.21	ug/kg wet	13.0	79	29-125	6	16	
Endosulfan I [2C]		16.5	1.7	0.21	ug/kg wet	15.0	91	29-125	7	16	
Endosulfan II		16.5	1.7	0.30	ug/kg wet	13.2	80	39-121	7	17	
Endosulfan II [2C]		16.5	1.7	0.30	ug/kg wet	15.2	92	39-121	7	17	
Endosulfan sulfate		16.5	1.7	0.31	ug/kg wet	15.3	93	43-120	13	14	
Endosulfan sulfate [2C]		16.5	1.7	0.31	ug/kg wet	16.0	97	43-120	12	14	
Endrin		16.5	1.7	0.23	ug/kg wet	13.7	83	54-127	6	19	
Endrin [2C]		16.5	1.7	0.23	ug/kg wet	15.6	95	54-127	7	19	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Organochlorine Pesticides by EPA Method 8081A											
LCS Dup Analyzed: 08/31/10 (Lab Number:10H2094-BSD1, Batch: 10H2094)											
Endrin aldehyde		16.5	1.7	0.42	ug/kg wet	13.3	81	33-120	16	23	
Endrin aldehyde [2C]		16.5	1.7	0.42	ug/kg wet	15.1	92	33-120	15	23	
gamma-BHC (Lindane)		16.5	1.7	0.29	ug/kg wet	13.4	82	50-120	7	20	
gamma-BHC (Lindane) [2C]		16.5	1.7	0.29	ug/kg wet	16.2	99	50-120	7	20	
Heptachlor		16.5	1.7	0.26	ug/kg wet	13.3	81	47-120	6	16	
Heptachlor [2C]		16.5	1.7	0.26	ug/kg wet	15.7	95	47-120	6	16	
Heptachlor epoxide		16.5	1.7	0.42	ug/kg wet	14.2	86	44-122	7	17	
Heptachlor epoxide [2C]		16.5	1.7	0.42	ug/kg wet	16.2	98	44-122	6	17	
Methoxychlor		16.5	1.7	0.23	ug/kg wet	14.4	88	46-152	6	14	
Methoxychlor [2C]		16.5	1.7	0.23	ug/kg wet	17.9	108	46-152	11	14	
Surrogate: Decachlorobiphenyl					*ug/kg wet*		*102*	*42-146*			
Surrogate: Decachlorobiphenyl [2C]					*ug/kg wet*		*99*	*42-146*			
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*70*	*37-136*			
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*84*	*37-136*			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Polychlorinated Biphenyls by EPA Method 8082											
Blank Analyzed: 08/31/10 (Lab Number:10H2095-BLK1, Batch: 10H2095)											
Aroclor 1016			17	3.2	ug/kg wet	ND					QSU
Aroclor 1016 [2C]			17	3.2	ug/kg wet	ND					QSU
Aroclor 1221			17	3.2	ug/kg wet	ND					QSU
Aroclor 1221 [2C]			17	3.2	ug/kg wet	ND					QSU
Aroclor 1232			17	3.2	ug/kg wet	ND					QSU
Aroclor 1232 [2C]			17	3.2	ug/kg wet	ND					QSU
Aroclor 1242			17	3.6	ug/kg wet	ND					QSU
Aroclor 1242 [2C]			17	3.6	ug/kg wet	ND					QSU
Aroclor 1248			17	3.2	ug/kg wet	ND					QSU
Aroclor 1248 [2C]			17	3.2	ug/kg wet	ND					QSU
Aroclor 1254			17	3.5	ug/kg wet	ND					QSU
Aroclor 1254 [2C]			17	3.5	ug/kg wet	ND					QSU
Aroclor 1260			17	7.7	ug/kg wet	ND					QSU
Aroclor 1260 [2C]			17	7.7	ug/kg wet	ND					QSU
Surrogate: Decachlorobiphenyl					*ug/kg wet*		*90*	*34-148*			*QSU*
Surrogate: Decachlorobiphenyl [2C]					*ug/kg wet*		*68*	*34-148*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*84*	*35-134*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*88*	*35-134*			*QSU*
LCS Analyzed: 08/31/10 (Lab Number:10H2095-BS1, Batch: 10H2095)											
Aroclor 1016		163	16	3.2	ug/kg wet	155	95	59-154			QSU
Aroclor 1016 [2C]		163	16	3.2	ug/kg wet	154	95	59-154			QSU
Aroclor 1221			16	3.2	ug/kg wet	ND					QSU
Aroclor 1221 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1232			16	3.2	ug/kg wet	ND					QSU
Aroclor 1232 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1242			16	3.5	ug/kg wet	ND					QSU
Aroclor 1242 [2C]			16	3.5	ug/kg wet	ND					QSU
Aroclor 1248			16	3.2	ug/kg wet	ND					QSU
Aroclor 1248 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1254			16	3.4	ug/kg wet	ND					QSU
Aroclor 1254 [2C]			16	3.4	ug/kg wet	ND					QSU
Aroclor 1260		163	16	7.6	ug/kg wet	129	79	51-179			QSU
Aroclor 1260 [2C]		163	16	7.6	ug/kg wet	120	74	51-179			QSU
Surrogate: Decachlorobiphenyl					*ug/kg wet*		*92*	*34-148*			*QSU*

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Polychlorinated Biphenyls by EPA Method 8082											
LCS Analyzed: 08/31/10 (Lab Number:10H2095-BS1, Batch: 10H2095)											
Surrogate: Decachlorobiphenyl [2C]					*ug/kg wet*		*70*	*34-148*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*92*	*35-134*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*94*	*35-134*			*QSU*
LCS Dup Analyzed: 08/31/10 (Lab Number:10H2095-BSD1, Batch: 10H2095)											
Aroclor 1016		164	16	3.2	ug/kg wet	151	92	59-154	2	50	QSU
Aroclor 1016 [2C]		164	16	3.2	ug/kg wet	150	91	59-154	3	50	QSU
Aroclor 1221			16	3.2	ug/kg wet	ND					QSU
Aroclor 1221 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1232			16	3.2	ug/kg wet	ND					QSU
Aroclor 1232 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1242			16	3.6	ug/kg wet	ND					QSU
Aroclor 1242 [2C]			16	3.6	ug/kg wet	ND					QSU
Aroclor 1248			16	3.2	ug/kg wet	ND					QSU
Aroclor 1248 [2C]			16	3.2	ug/kg wet	ND					QSU
Aroclor 1254			16	3.5	ug/kg wet	ND					QSU
Aroclor 1254 [2C]			16	3.5	ug/kg wet	ND					QSU
Aroclor 1260		164	16	7.7	ug/kg wet	136	83	51-179	6	50	QSU
Aroclor 1260 [2C]		164	16	7.7	ug/kg wet	127	77	51-179	5	50	QSU
Surrogate: Decachlorobiphenyl					*ug/kg wet*		*95*	*34-148*			*QSU*
Surrogate: Decachlorobiphenyl [2C]					*ug/kg wet*		*73*	*34-148*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*82*	*35-134*			*QSU*
Surrogate: Tetrachloro-m-xylene					*ug/kg wet*		*84*	*35-134*			*QSU*

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Herbicides											
Blank Analyzed: 08/31/10 (Lab Number:10H2096-BLK1, Batch: 10H2096)											
2,4,5-T			17	5.2	ug/kg wet	ND					
2,4,5-T [2C]			17	5.2	ug/kg wet	ND					
2,4-D			17	10	ug/kg wet	ND					
2,4-D [2C]			17	10	ug/kg wet	ND					
2,4,5-TP (Silvex)			17	5.9	ug/kg wet	ND					
Silvex (2,4,5-TP) [2C]			17	5.9	ug/kg wet	ND					
Surrogate: 2,4-Dichlorophenylacetic					*ug/kg wet*		*75*	*15-120*			
Surrogate: 2,4-Dichlorophenylacetic					*ug/kg wet*		*74*	*15-120*			
LCS Analyzed: 08/31/10 (Lab Number:10H2096-BS1, Batch: 10H2096)											
2,4,5-T		66.0	17	5.3	ug/kg wet	61.7	94	31-130			
2,4,5-T [2C]		66.0	17	5.3	ug/kg wet	50.7	77	31-130			
2,4-D		66.0	17	10	ug/kg wet	60.2	91	42-140			
2,4-D [2C]		66.0	17	10	ug/kg wet	62.4	95	42-140			
2,4,5-TP (Silvex)		66.0	17	5.9	ug/kg wet	64.4	98	20-130			
Silvex (2,4,5-TP) [2C]		66.0	17	5.9	ug/kg wet	63.1	96	20-130			
Surrogate: 2,4-Dichlorophenylacetic					*ug/kg wet*		*77*	*15-120*			
Surrogate: 2,4-Dichlorophenylacetic					*ug/kg wet*		*79*	*15-120*			
LCS Dup Analyzed: 08/31/10 (Lab Number:10H2096-BSD1, Batch: 10H2096)											
2,4,5-T		65.2	17	5.2	ug/kg wet	56.5	87	31-130	9	50	
2,4,5-T [2C]		65.2	17	5.2	ug/kg wet	46.4	71	31-130	9	50	
2,4-D		65.2	17	10	ug/kg wet	58.6	90	42-140	3	25	
2,4-D [2C]		65.2	17	10	ug/kg wet	52.4	80	42-140	17	25	
2,4,5-TP (Silvex)		65.2	17	5.9	ug/kg wet	59.0	91	20-130	9	35	
Silvex (2,4,5-TP) [2C]		65.2	17	5.9	ug/kg wet	57.3	88	20-130	10	35	
Surrogate: 2,4-Dichlorophenylacetic					*ug/kg wet*		*74*	*15-120*			
Surrogate: 2,4-Dichlorophenylacetic					*ug/kg wet*		*75*	*15-120*			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Blank Analyzed: 09/03/10 (Lab Number:10H2047-BLK1, Batch: 10H2047)											
Aluminum			10.0	NR	mg/kg wet	ND					
Antimony			15.0	NR	mg/kg wet	ND					
Arsenic			2.0	NR	mg/kg wet	ND					
Barium			0.499	NR	mg/kg wet	ND					
Beryllium			0.200	NR	mg/kg wet	ND					
Cadmium			0.200	NR	mg/kg wet	ND					
Calcium			49.9	NR	mg/kg wet	ND					
Chromium			0.499	NR	mg/kg wet	ND					
Cobalt			0.499	NR	mg/kg wet	ND					
Copper			1.0	NR	mg/kg wet	ND					
Iron			10.0	NR	mg/kg wet	ND					
Lead			1.0	NR	mg/kg wet	ND					
Magnesium			20.0	NR	mg/kg wet	ND					
Manganese			0.2	NR	mg/kg wet	ND					
Nickel			4.99	NR	mg/kg wet	ND					
Potassium			30.0	NR	mg/kg wet	ND					
Selenium			4.0	NR	mg/kg wet	ND					
Silver			0.499	NR	mg/kg wet	ND					
Sodium			140	NR	mg/kg wet	ND					
Thallium			6.0	NR	mg/kg wet	ND					
Vanadium			0.499	NR	mg/kg wet	ND					
Zinc			2.0	NR	mg/kg wet	ND					
Matrix Spike Analyzed: 09/08/10 (Lab Number:10H2047-MS1, Batch: 10H2047)											
QC Source Sample: RTH1426-01											
Aluminum	11600	2470	12.3	NR	mg/kg dry	14200	104	75-125			
Antimony	ND	49.4	18.5	NR	mg/kg dry	12.4	25	75-125			M1
Arsenic	4.14	49.4	2.5	NR	mg/kg dry	45.4	84	75-125			
Barium	81.2	49.4	0.617	NR	mg/kg dry	126	90	75-125			
Beryllium	0.464	49.4	0.247	NR	mg/kg dry	46.5	93	75-125			
Cadmium	0.0634	49.4	0.247	NR	mg/kg dry	45.6	92	75-125			
Calcium	3400	2470	61.7	NR	mg/kg dry	6340	119	75-125			
Chromium	13.2	49.4	0.617	NR	mg/kg dry	57.2	89	75-125			
Cobalt	6.77	49.4	0.617	NR	mg/kg dry	50.5	89	75-125			
Copper	9.21	49.4	1.2	NR	mg/kg dry	54.2	91	75-125			
Iron	17200	2470	12.3	NR	mg/kg dry	20800	147	75-125			MHA
Lead	24.9	49.4	1.2	NR	mg/kg dry	68.2	88	75-125			
Magnesium	2950	2470	24.7	NR	mg/kg dry	5430	100	75-125			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Matrix Spike Analyzed: 09/03/10 (Lab Number:10H2047-MS1, Batch: 10H2047)											
QC Source Sample: RTH1426-01											
Manganese	421	49.4	0.2	NR	mg/kg dry	628	418	75-125			MHA
Nickel	12.1	49.4	6.17	NR	mg/kg dry	56.9	91	75-125			
Potassium	916	2470	37.0	NR	mg/kg dry	3190	92	75-125			
Selenium	1.66	49.4	4.9	NR	mg/kg dry	43.7	85	75-125			
Silver	0.0830	12.3	0.617	NR	mg/kg dry	11.3	91	75-125			
Sodium	53.4	2470	173	NR	mg/kg dry	2190	86	75-125			
Thallium	ND	49.4	7.4	NR	mg/kg dry	45.4	92	75-125			
Vanadium	23.7	49.4	0.617	NR	mg/kg dry	68.7	91	75-125			
Zinc	68.7	49.4	2.5	NR	mg/kg dry	113	90	75-125			
Matrix Spike Dup Analyzed: 09/08/10 (Lab Number:10H2047-MSD1, Batch: 10H2047)											
QC Source Sample: RTH1426-01											
Aluminum	11600	2430	12.2	NR	mg/kg dry	13400	75	75-125	6	20	
Antimony	ND	48.7	18.2	NR	mg/kg dry	13.5	28	75-125	9	20	M1
Arsenic	4.14	48.7	2.4	NR	mg/kg dry	45.3	85	75-125	0.2	20	
Barium	81.2	48.7	0.608	NR	mg/kg dry	121	82	75-125	4	20	
Beryllium	0.464	48.7	0.243	NR	mg/kg dry	46.4	94	75-125	0.09	20	
Cadmium	0.0634	48.7	0.243	NR	mg/kg dry	44.0	90	75-125	3	20	
Calcium	3400	2430	60.8	NR	mg/kg dry	5920	104	75-125	7	20	
Chromium	13.2	48.7	0.608	NR	mg/kg dry	57.4	91	75-125	0.4	20	
Cobalt	6.77	48.7	0.608	NR	mg/kg dry	51.6	92	75-125	2	20	
Copper	9.21	48.7	1.2	NR	mg/kg dry	54.0	92	75-125	0.4	20	
Iron	17200	2430	12.2	NR	mg/kg dry	22300	211	75-125	7	20	MHA
Lead	24.9	48.7	1.2	NR	mg/kg dry	70.5	94	75-125	3	20	
Magnesium	2950	2430	24.3	NR	mg/kg dry	5270	95	75-125	3	20	
Manganese	421	48.7	0.2	NR	mg/kg dry	489	138	75-125	25	20	MHA
Nickel	12.1	48.7	6.08	NR	mg/kg dry	56.8	92	75-125	0.2	20	
Potassium	916	2430	36.5	NR	mg/kg dry	3030	87	75-125	5	20	
Selenium	1.66	48.7	4.9	NR	mg/kg dry	41.8	83	75-125	5	20	
Silver	0.0830	12.2	0.608	NR	mg/kg dry	11.5	94	75-125	2	20	
Sodium	53.4	2430	170	NR	mg/kg dry	2150	86	75-125	2	20	
Thallium	ND	48.7	7.3	NR	mg/kg dry	45.2	93	75-125	0.6	20	
Vanadium	23.7	48.7	0.608	NR	mg/kg dry	69.3	94	75-125	0.9	20	
Zinc	68.7	48.7	2.4	NR	mg/kg dry	113	90	75-125	0.6	20	
Reference Analyzed: 09/08/10 (Lab Number:10H2047-SRM1, Batch: 10H2047)											
Aluminum		10700	10.0	NR	mg/kg wet	8110	76	46.3-153.3			

Turnkey/Benchmark
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1426

Project: Special
Project Number: TURN

Received: 08/27/10
Reported: 09/13/10 09:01

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Reference Analyzed: 09/02/10 (Lab Number:10H2047-SRM1, Batch: 10H2047)											
Antimony		117	15.0	NR	mg/kg wet	54.8	47	22.6-253			
Arsenic		138	2.0	NR	mg/kg wet	125	91	70.4-129.7			
Barium		269	0.501	NR	mg/kg wet	240	89	74-126.4			
Beryllium		157	0.200	NR	mg/kg wet	145	92	75.2-124.8			
Cadmium		71.1	0.200	NR	mg/kg wet	65.6	92	73.2-126.8			
Calcium		9670	50.1	NR	mg/kg wet	8900	92	75.4-124.2			
Chromium		105	0.501	NR	mg/kg wet	95.0	90	69.3-130.5			
Cobalt		142	0.501	NR	mg/kg wet	130	91	73.9-125.4			
Copper		110	1.0	NR	mg/kg wet	98.6	90	74.4-125.5			
Iron		19100	10.0	NR	mg/kg wet	13700	71	43-156			
Lead		144	1.0	NR	mg/kg wet	133	92	72.9-126.4			
Magnesium		4420	20.0	NR	mg/kg wet	3680	83	70.3-129.7			
Manganese		540	0.2	NR	mg/kg wet	488	90	77.2-122.6			
Nickel		130	5.01	NR	mg/kg wet	121	93	72.8-126.9			
Potassium		5010	30.0	NR	mg/kg wet	4310	86	66.4-133.8			
Selenium		200	4.0	NR	mg/kg wet	181	90	68.5-131.5			
Silver		45.2	0.501	NR	mg/kg wet	42.1	93	66.3-133.7			
Sodium		654	140	NR	mg/kg wet	529	81	55.1-144.9			
Thallium		161	6.0	NR	mg/kg wet	155	96	68.3-131.7			
Vanadium		67.1	0.501	NR	mg/kg wet	55.5	83	57.8-142.1			
Zinc		223	2.0	NR	mg/kg wet	197	88	70.4-129.6			
Total Metals by SW 846 Series Methods											
Blank Analyzed: 08/30/10 (Lab Number:10H2111-BLK1, Batch: 10H2111)											
Mercury			0.0195	NR	mg/kg wet	ND					
Reference Analyzed: 08/30/10 (Lab Number:10H2111-SRM1, Batch: 10H2111)											

Turnkey/Benchmark
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1426

Project: Special
Project Number: TURN

Received: 08/27/10
Reported: 09/13/10 09:01

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Reference Analyzed: 08/30/10 (Lab Number:10H2111-SRM1, Batch: 10H2111)											
Mercury		2.95	0.178	NR	mg/kg wet	3.23	110	67.6-132.8			

Turnkey/Benchmark
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1426

Project: Special
Project Number: TURN

Received: 08/27/10
Reported: 09/13/10 09:01

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
General Chemistry Parameters											
Blank Analyzed: 08/31/10 (Lab Number:10H2266-BLK1, Batch: 10H2266)											
Total Cyanide			1.0	NR	mg/kg wet	ND					
LCS Analyzed: 08/31/10 (Lab Number:10H2266-BS1, Batch: 10H2266)											
Total Cyanide		31.5	0.9	NR	mg/kg wet	23.3	74	40-160			

Turnkey/Benchmark
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1426

Project: Special
Project Number: TURN

Received: 08/27/10
Reported: 09/13/10 09:01

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
160.3 MOD 0242340x											
Blank Analyzed: 08/31/10 (Lab Number:A0H300000340B, Batch: 242340)											
Percent Solids			10	NR	%	ND		-			

Turnkey/Benchmark
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY 14218

Work Order: RTH1426

Project: Special
Project Number: TURN

Received: 08/27/10
Reported: 09/13/10 09:01

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
7196A 0243392x											
Blank Analyzed: 09/02/10 (Lab Number:A0H310000392B, Batch: 243392)											
CR, Hexavalent			0.8	NR	mg/kg	ND		-			
LCS Analyzed: 09/02/10 (Lab Number:A0H310000392C, Batch: 243392)											
CR, Hexavalent		20.0	0.8	NR	mg/kg	21.1	105	80-120			

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

PROJECT NO. RTH1426

RTH1426 TURNKEY/BENCHMARK

Lot #: A0H280464

Brian Fischer

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228

TESTAMERICA LABORATORIES, INC.

Approved for release.
Amy McCormick
Project Manager
9/3/2010 4:45 PM

Amy L. McCormick
Project Manager
amy.mccormick@testamericainc.com

September 03, 2010

CASE NARRATIVE

A0H280464

The following report contains the analytical results for one solid sample submitted to TestAmerica North Canton by TestAmerica Buffalo from the RTH1426 TURNKEY/BENCHMARK Site, project number RTH1426. The sample was received August 28, 2010, according to documented sample acceptance procedures.

TestAmerica utilizes USEPA approved methods in all analytical work. The sample presented in this report was analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Brian Fischer on September 02, 2010. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by a dry weight adjustment footnote at the bottom of the analytical report page. The list of parameters which are never reported on a dry weight basis is included on the Sample Summary.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

All parameters were evaluated to the reporting limit.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Amy L. McCormick, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

CASE NARRATIVE (continued)

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 1.2°C.

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data. Program or agency specific requirements take precedence over the requirements listed in this narrative.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.

EXECUTIVE SUMMARY - Detection Highlights

A0H280464

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
RTH1426-01 08/18/10 001				
Percent Solids	84.1	10.0	%	MCAWW 160.3 MOD

ANALYTICAL METHODS SUMMARY

A0H280464

PARAMETER	ANALYTICAL METHOD
Hexavalent Chromium	SW846 7196A
Total Residue as Percent Solids	MCAWW 160.3 MOD

References:

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

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

A0H280464

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
L59F1	001	RTH1426-01	08/18/10	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TestAmerica Buffalo

Client Sample ID: RTH1426-01

General Chemistry

Lot-Sample #...: A0H280464-001 **Work Order #...:** L59F1 **Matrix.....:** SO
Date Sampled...: 08/18/10 **Date Received..:** 08/28/10
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium	ND	0.95	mg/kg	SW846 7196A	09/02/10	0243392
		Dilution Factor: 1				
Percent Solids	**84.1**	**10.0**	**%**	**MCAWW 160.3 MOD**	**08/30-08/31/10**	**0242340**
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

TestAmerica
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QUALITY CONTROL SECTION

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A0H280464 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium		Work Order #: L6FKF1AA		MB Lot-Sample #:	A0H310000-392	
	ND	0.80	mg/kg	SW846 7196A	09/02/10	0243392
		Dilution Factor: 1				
Percent Solids		Work Order #: L6AKH1AA		MB Lot-Sample #:	A0H300000-340	
	ND	10.0	%	MCAWW 160.3 MOD	08/30-08/31/10	0242340
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A0H280464 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium		Work Order #: L6FKF1AC	LCS Lot-Sample#: A0H310000-392		
	105	(80 - 120)	SW846 7196A	09/02/10	0243392
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A0H280464 **Work Order #...:** L513K-SMP **Matrix.....:** SOLID
L513K-DUP
Date Sampled...: 08/20/10 15:00 **Date Received..:** 08/20/10
% Moisture.....: 1.9

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #: A0H230477-008		
	98.1	98.1	%	0.051	(0-20)	MCAWW 160.3 MOD	08/30-08/31/10	0242340

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A0H280464 **Work Order #...:** L589J-SMP **Matrix.....:** SOLID
L589J-DUP
Date Sampled...: 08/27/10 **Date Received..:** 08/28/10
% Moisture.....: 14

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #: A0H280455-001		
	85.9	89.3	%	3.9	(0-20)	MCAWW 160.3 MOD	08/30-08/31/10	0242340

Dilution Factor: 1

SUBCONTRACT ORDER
TestAmerica Buffalo

RTH1426

SENDING LABORATORY:

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228
Phone: 716-691-2600
Fax: 716-691-7991
Project Manager: Brian Fischer
Client: Turnkey/Benchmark

RECEIVING LABORATORY:

TestAmerica North Canton
4101 Shuffel Drive NW
North Canton, OH 44720
Phone :(330) 497-9396
Fax: -
Project Location: NY - NEW YORK
Receipt Temperature: 1.2 °C Ice: (Y) / N

Report: Level 2 Report

Analysis	Units	Due	Expires	Interlab Price	Surch	Comments
Sample ID: RTH1426-01 (LORENZ TOPSOIL - Solid)			Sampled: **08/18/10 00:00**			
WC - Chrom VI 7196A	mg/kg	09/03/10	09/17/10 00:00	$0.00	30%	

Containers Supplied:

Released By	Date/Time	Received By	Date/Time
[signature]	8.27.10 1700	[signature]	8/28/10 1115

TestAmerica Cooler Receipt Form/Narrative **Lot Number:** 240464
North Canton Facility

Client TA Buffalo Project _____ By: _____
Cooler Received on 8-25-10 Opened on 8-25-10 (Signature)
FedEx ☒ UPS ☐ DHL ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other _____
TestAmerica Cooler # _____ Multiple Coolers ☐ Foam Box ☐ Client Cooler ☒ Other _____

1. Were custody seals on the outside of the cooler(s)? Yes ☒ No ☐ Intact? Yes ☒ No ☐ NA ☐
   If YES, Quantity 1 Quantity Unsalvageable _____
   Were custody seals on the outside of cooler(s) signed and dated? Yes ☒ No ☐ NA ☐
   Were custody seals on the bottle(s)? Yes ☐ No ☒
   If YES, are there any exceptions? _____
2. Shippers' packing slip attached to the cooler(s)? Yes ☒ No ☐
3. Did custody papers accompany the sample(s)? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Were the custody papers signed in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☒ Foam ☐ None ☐ Other _____
6. Cooler temperature upon receipt 1-2 °C See back of form for multiple coolers/temps ☐
   METHOD: IR ☒ Other ☐ _____
   COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
8. Could all bottle labels be reconciled with the COC? Yes ☒ No ☐
9. Were sample(s) at the correct pH upon receipt? Yes ☐ No ☐ NA ☒
10. Were correct bottle(s) used for the test(s) indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☐ NA ☒
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐
13. Was a trip blank present in the cooler(s)? Yes ☐ No ☒ Were VOAs on the COC? Yes ☐ No ☒

Contacted PM _____ Date _____ by _____ via Verbal ☐ Voice Mail ☐ Other ☐
Concerning _____

14. CHAIN OF CUSTODY

The following discrepancies occurred:

_____

_____

_____

_____

_____

_____

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). *Nitric Acid Lot#* 051010-HNO_3; *Sulfuric Acid Lot#* 051010-H_2SO_4; *Sodium Hydroxide Lot#* 100108 -*NaOH; Hydrochloric Acid Lot#* 092006-*HCl; Sodium Hydroxide and Zinc Acetate Lot#* 100108-$(CH_3COO)_2ZN/NaOH$. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler #	Temp. °C	Method	Coolant

Discrepancies Cont'd:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

END OF REPORT

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TAL-4124 (1007)

Client: Benchmark Environmental	Project Manager: Thomas Forbes	Date: 8-18-10	Chain of Custody Number: 086857
Address: 2558 Hamburg Turnpike, Ste 300	Telephone Number (Area Code)/Fax Number: 716-856-0599	Lab Number	Page 1 of 1
City: Buffalo / State: NY / Zip Code: 14219	Site Contact: J. Deth / Lab Contact: B Fisher	Analysis (Attach list if more space is needed)	
Project Name and Location (State): RE Lorenz Topsoil	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	TCL VOCs	TCL SVOCs	TAL Metals*	TCL Pest/PCB	Cyanide	Hex Cr	245.1-TP(Silver)	Special Instructions/ Conditions of Receipt
Lorenz Topsoil						X	X						X	X	X	X	X	X	X	* Analyze for total Arsenic with 48-hr TAT. Hold remaining samples pending verification that As < 16 mg/kg

USEPA SW-846 Methodology, STD Level II report

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other See instructions

QC Requirements (Specify)

1. Relinquished By: John Deth	Date: 8/18/10	Time: 1747	1. Received By: [signature]	Date: 8/18/10	Time: 1747
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

6.0°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

APPENDIX I

SEED MIX – RESTORATION AREAS

AMERON INTERNATIONAL MIXTURE

Purity:	Variety:	Germ:	Hard Seed:	Germ +Hard Seed	Origin:
35.80	KENTUCKY 31 TALL FESCUE	85	0	85	OR
24.82	GARIBLADI PERENNIAL RYEGRASS	95	0	95	CAN
19.52	ENSYLVA CREEPING RED FESCUE	85	0	85	CAN
13.55	CROWN ROYALE ORCHARDGRASS	90	0	90	OR
3.61	NORCEN BIRDSFOOT TREFOIL	70	10	80	MN
	*Variety Not Stated	**AMS 5518**			
0.52	**:Other Crop**	**Lot#:**	**PS0459A**		
	:Weed		**Apr-**		
0.01	**Seeds**	**Tested:**	**10**		
2.17	**:Inert Matter**				
20 lbs.	**:Net Weight**	**Noxious Weeds:**	**None Found**		

Preferred Seed Co. 575 Kennedy Road, Buffalo, NY. 14227

APPENDIX J

ENVIRONMENTAL EASEMENT
PROOF OF FILING

CHRISTOPHER L. JACOBS, ERIE COUNTY CLERK

HARTER, SECREST & EMERY, LLP BOX 29
ACCOUNT #: 1506
RECEIPT: 12146325
DATE: 9/20/2012 TIME: 11:39:03 AM

ITEM - 01 VRD
RECD: 9/20/2012 11:39:03 AM
FILE: 2012213747 BK/PG V 107/2606
AMERON INTERNATIONAL CORPORATION
NEW YORK STATE DEPT OF ENVIRONMENTAL CONSERV
ATION
Recording Fees 91.00
Sub. Total 91.00

ITEM - 02 VRD
RECD: 9/20/2012 11:39:03 AM
FILE: 2012213748 BK/PG V 107/2616
AMERON INTERNATIONAL CORPORATION
NEW YORK STATE DEPT OF ENVIRONMENTAL CONSERV
ATION
Recording Fees 91.00
Sub. Total 91.00

TOTAL DUE	$182.00
PAID TOTAL	$182.00
PAID ESCROW	182.00

REC BY: Nancy
COUNTY RECORDER

ERIE COUNTY CLERK'S OFFICE

County Clerk's Recording Page

Return to:
BOX 29

Party 1:
AMERON INTERNATIONAL CORPORATION

Party 2:
NEW YORK STATE DEPT OF
ENVIRONMENTAL CONSERVATION

Book Type: V Book: 107 Page: 2606
Page Count: 10
Doc Type: MISC REC DOC
Rec Date: 09/20/2012
Rec Time: 11:39:03 AM
Control #: 2012213747
UserID: Nancy
Trans #: 12146325
Document Sequence Number

Recording Fees:

Fee 1	$70.00
Fee 2	$1.00
COE STATE $14.25 GEN	$14.25
COE STATE $4.75 RM	$4.75
MARKOFF FEE	$1.00

Consideration Amount:

BASIC MT	$0.00
SONYMA MT	$0.00
ADDL MT/NFTA	$0.00
SP MT/M-RAIL	$0.00
NY STATE TT	$0.00
ROAD FUND TT	$0.00

Total: $91.00

STATE OF NEW YORK
ERIE COUNTY CLERK'S OFFICE

WARNING – THIS SHEET CONSTITUTES THE CLERK'S ENDORSEMENT REQUIRED BY SECTION 319&316-a (5) OF THE REAL PROPERTY LAW OF THE STATE OF NEW YORK. DO NOT DETACH. THIS IS NOT A BILL.

Christopher L. Jacobs
County Clerk

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 25th day of July, 2012 between Owner(s) Ameron International Corporation, having an office at 245 Los Robles Avenue, County of Los Angeles, State of California ("the Grantor"), and The People of the State of New York (the Grantee), acting through their Commissioner of the Department of Environmental Conservation ("the Commissioner") with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 113 Colgate Avenue in the City of Buffalo, County of Erie and State of New York, known and designated on the tax map of the County Clerk of Erie as tax map parcel number: SBL 133.62-2-25.11 being the same as that property conveyed to Grantor by deeds dated April 22, 1965 and May 21, 1965 and recorded in the Erie County Clerk's Office in Liber 7114, Page 229 and Liber 7114, Page 233, respectively, comprising approximately 1.255 acres, and hereinafter more fully described in the Land Title Survey dated October 25, 2010 prepared by Millard, MacKay & Delles, which will be attached to the Site Management Plan. The property description (the "Controlled Property") is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of human health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the

VRD-9-2
213747

terms and conditions of Order on Consent Number: 915133, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Commerical as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv).

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP.

(4) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(5) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(6) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(7) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP.

(8) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

(9) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential or Restricted Residential, and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Regional Remediation Engineer
NYSDEC – Region 9
Division of Environmental Remediation
270 Michigan Avenue
Buffalo, New York 14202
Phone: (716)-851-7000

or

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall annually, or such time as NYSDEC may allow, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5 the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by

Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Site Number: 915133
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Ameron International Corporation

By(1): _____

Print Name: Gary Wagner

Title: Senior Vice President Date: 7/19/11

By(2): _____

Print Name: Leonard J. McGill

Title: Secretary Date: 7/19/11

Grantor's Acknowledgment

STATE OF CALIFORNIA)
) ss:
COUNTY OF LOS ANGELES)

On the 19 day of July, in the year 20 11, before me, Cynthia A. Iwasaki, Notary Public, personally appeared Gary Wagner and Leonard J. McGill, who proved to me on the basis of satisfactory evidence to be the person(s) whose name ~~is~~ (are) subscribed to the within instrument and acknowledged to me that ~~he/she~~/they executed the same in ~~his/her~~/their authorized capacity(ies), and that by ~~his/her~~/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

CYNTHIA A. IWASAKI
Commission # 1839065
Notary Public - California
Los Angeles County
My Comm. Expires Mar 28, 2013

Notary Public

Grantor's Acknowledgment

STATE OF)
) ss:
COUNTY OF)

On the _____ day of _____, in the year 20__, before me, the undersigned, personally appeared _____, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Robert W. Schick, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 25 day of July, in the year 2012 before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

David J. Chiusano
Notary Public, State of New York
No. 01CH5032146
Qualified in Schenectady County
Commission Expires August 22, 2014

SCHEDULE "A" PROPERTY DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND, situate in the City of Buffalo, County of Erie and State of New York, being part of Lot No. 44, Township 10, Range 8 of the Buffalo Creek Reservation, and being more particularly described as follows:

BEGINNING at a point in the northerly line of Okell Street, distance 307 feet west of the westerly line of South Park Avenue; running thence northerly parallel with said South Park Avenue, 563.5 feet to a point in the north line of Lot No. 44; running thence westerly along said north line of Lot no. 44, 1453.48 feet to a point in a line drawn parallel with the aforementioned South Park Avenue; running thence southerly, 563.5 feet on a line drawn parallel with South Park Avenue to Okell Street; running thence easterly along the north line of Okell Street 1453.48 feet to the point or place of beginning.

EXCEPTING THEREFROM lands conveyed by deed recorded in the Erie County Clerk's Office in Liber 9300 of Deeds at page 43.

ALSO EXCEPTING THEREFROM lands conveyed by deed recorded in the Erie County Clerk's Office in Liber 9049 of Deeds at page 45.

ERIE COUNTY CLERK'S OFFICE

County Clerk's Recording Page

Return to:
BOX 29

Party 1:
AMERON INTERNATIONAL CORPORATION

Party 2:
NEW YORK STATE DEPT OF
ENVIRONMENTAL CONSERVATION

Book Type: V Book: 107 Page: 2616
Page Count: 10
Doc Type: MISC REC DOC
Rec Date: 09/20/2012
Rec Time: 11:39:03 AM
Control #: 2012213748
UserID: Nancy
Trans #: 12146325
Document Sequence Number

Recording Fees:

Fee 1	$70.00
Fee 2	$1.00
COE STATE $14.25 GEN	$14.25
COE STATE $4.75 RM	$4.75
MARKOFF FEE	$1.00

Consideration Amount:

BASIC MT	$0.00
SONYMA MT	$0.00
ADDL MT/NFTA	$0.00
SP MT/M-RAIL	$0.00
NY STATE TT	$0.00
ROAD FUND TT	$0.00

***Total:* $91.00**

STATE OF NEW YORK
ERIE COUNTY CLERK'S OFFICE

WARNING – THIS SHEET CONSTITUTES THE CLERK'S ENDORSEMENT REQUIRED BY SECTION 319&316-a (5) OF THE REAL PROPERTY LAW OF THE STATE OF NEW YORK. DO NOT DETACH. THIS IS NOT A BILL.

Christopher L. Jacobs
County Clerk

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 25th day of July, 2012 between Owner(s) Ameron International Corporation, having an office at 245 Los Robles Avenue, County of Los Angeles, State of California ("the Grantor"), and The People of the State of New York (the Grantee), acting through their Commissioner of the Department of Environmental Conservation ("the Commissioner") with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 119 Colgate Avenue in the City of Buffalo, County of Erie and State of New York, known and designated on the tax map of the County Clerk of Erie as tax map parcel numbers: SBL 133.62-2-1.11 being the same as that property conveyed to Grantor by deeds dated June 26, 1944 and April 26, 1946 and recorded in the Erie County Clerk's Office in Liber 3557, Page 382 and Liber 3882, Page 20, respectively, comprising approximately 1.953 acres, and hereinafter more fully described in the Land Title Survey dated October 25, 2010 prepared by Millard, MacKay & Delles, which will be attached to the Site Management Plan. The property description (the "Controlled Property") is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of human health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the

VRD-9-2
215148

terms and conditions of Order on Consent Number: 915133, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP.

(4) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(5) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(6) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(7) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP.

(8) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

(9) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential or Restricted Residential, and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Regional Remediation Engineer
NYSDEC – Region 9
Division of Environmental Remediation
270 Michigan Avenue
Buffalo, New York 14202
Phone: (716)-851-7000

or

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall annually, or such time as NYSDEC may allow, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5 the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by

Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Site Number: 915133
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Ameron International Corporation

By(1): _____

Print Name: Gary Wagner

Title: Senior Vice President Date: 7/19/11

By(2): _____

Print Name: Leonard J. McGill

Title: Secretary Date: 7/19/11

Grantor's Acknowledgment

STATE OF CALIFORNIA)
) ss:
COUNTY OF LOS ANGELES)

On the 19 day of July, in the year 2011, before me, Cynthia A. Iwasaki, Notary Public, personally appeared Gary Wagner and Leonard J. McGill, who proved to me on the basis of satisfactory evidence to be the person(s) whose name ~~is~~ (are) subscribed to the within instrument and acknowledged to me that ~~he/she~~/they executed the same in ~~his/her~~/their authorized capacity(ies), and that by ~~his/her~~/their signature(s) on the instrument, the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

CYNTHIA A. IWASAKI
Commission # 1839056
Notary Public - California
Los Angeles County
My Comm. Expires Mar 28, 2013

Notary Public

Grantor's Acknowledgment

~~STATE OF~~)
) ss:
COUNTY OF)

On the _____ day of _____, in the year 20__, before me, the undersigned, personally appeared _____, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that ~~he/she~~/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Robert W. Schick, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 25 day of July, in the year 2012 before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

David J. Chiusano
Notary Public, State of New York
No. 01CH5032146
Qualified in Schenectady County
Commission Expires August 22, 2014

SCHEDULE "A" PROPERTY DESCRIPTION

PARCEL "A"

ALL THAT TRACT OR PARCEL OF LAND situate in the City of Buffalo, County of Erie and State of New York, known as lots numbers 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39 and 40, inclusive, in Block "F", as laid out and described on a certain map showing subdivision of part of the Howard Estate Lands in Lot 45, Township 10, Range 8, made by Dennison Fairchild, C.E., November 13, 1906 and filed in the Erie County Clerk's Office under Cover No. 782, more particularly described as follows:

COMMENCING at the point of intersection of the south line of Colgate Avenue with the east line of subdivision lot number 40 aforesaid, which point of commencement is 1049 feet westerly from the westerly line of South Park Avenue; running thence southerly along the easterly line of Subdivision Lot number 40 and substantially at right angles to Colgate Avenue 112 feet to the southerly line of Lot 45; thence westerly and along the southerly line of Lot 45, 666 feet to the easterly line of Subdivision lot number 18; thence northerly along the easterly line of Subdivision lot number 18, 112 feet to the south line of Colgate Avenue; thence easterly and along the south line of Colgate Avenue 666 feet to the point or place of beginning.

PARCEL "B"

ALL THAT TRACT OR PARCEL OF LAND situate in the City of Buffalo, County of Erie and State of New York, being part of Lot No. 44, Township 10, Range 8 of the Buffalo Creek Reservation more particularly described as follows:

BEGINNING at the southwest corner of the land conveyed to the Consolidated Battery Company, Inc., by Armin W. Brand and Francis E. Stevens as and composing the copartnership known and doing business under the name of Brand and Stevens, by deed dated July 15, 1925, and recorded in the office of the Erie County Clerk in Liber 1849 of Deeds at page 43 on July 27, 1925; thence easterly along the southerly line and said southerly line extended of the lands so conveyed to the Consolidated Battery Company Inc. 786 feet; thence southerly at right angles to the said southerly line and said southerly line extended of the lands so conveyed to the Consolidated Battery Co. Inc. 75 feet; thence westerly along a line parallel to the said southerly line and said southerly line extended of the lands so conveyed to the Consolidated Battery Co. Inc and distant 75 feet southerly therefrom 786 feet; thence northerly 75 feet to the place of beginning.

EXCEPTING THEREFROM that part conveyed by deed recorded in the Erie County Clerk's Office in Liber 9049 of Deeds at page 45.