SITE REMEDIATION WORK PLAN

R.D. SPECIALTIES, INC.
560 SALT ROAD
WEBSTER, NY

NYSDEC SITE CODE: 828062

Prepared for:

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1.0 PURPOSE

This *Site Remediation Work Plan* (Work Plan) is intended to provide procedures for further delineation and remediation of soil contamination resulting from a release of chromium-containing water from a basement sump in the RD Specialties facility to a roadside drainage ditch in January 2008. In addition, the work plan includes procedures for installing shallow-bedrock monitoring wells at locations inside and adjacent to the RD Specialties building. The property is located on Salt Road in the town of Webster, New York as shown in Figure 1. This Work Plan is also intended to establish a process for compliance with the Department of Transportation and other regulatory safety codes as they pertain to the work. The regulatory requirements and safety codes established for this work include, but are not limited to the Occupational Safety and Health Administration (OSHA) Title 19 (NYCRR) and 29 CFR Part 1926.650 and New York Code of Regulations for Soil and Foundations. This plan outlines worksite precautions and hazards, and general practices for conducting the proposed remedial activities which include:

- Sampling surface soils for laboratory analysis,
- Soil excavation and the management of surface water in the roadside drainage ditch,
- Staging and final disposition of the excavated soils and surface water.

In addition, the Work Plan includes procedures for:

- Drilling five new monitoring wells at NYSDEC-specified locations,
- Collecting subsurface soil samples for laboratory analysis,
- Monitoring-well development and low-flow sampling of the site groundwater.

2.0 POLICY

OP-TECH is dedicated to providing safe working conditions for employees, clients, and subcontractors pertaining to all federal and state occupational health and safety standards.

3.0 SITE HISTORY

RD Specialties manufactures high-tolerance coating rods and operated a small chromium plating line since the mid-1950's. Over the years, there have been three chromium plating process areas inside the facility. Between the years of 1966 to 1985 the facility discharged chromium plating rinse-waters to a drywell located on the south-east side of the building. In 1985 the facility retained a consulting firm (Lozier Engineers) to investigate potential subsurface impacts at the site resulting from the manufacturing activities. The investigation found levels of chromium (Cr) and hexavalent chromium (Cr+6) in the subsurface soils and groundwater limited within the property boundaries.

Following the 1985 investigation, the company negotiated a Consent Order with the New York State Department of Environmental Conservation (NYSDEC) and then completed the Remedial Investigation and Feasibility Study (RI/FS) in 1990 (Blasland & Bouck Engineers, August 1990). In concurrence with the 1985 investigation, the RI/FS findings showed that chromium impacts to the soil and groundwater were confined within the property boundaries. In 1991, the NYSDEC issued a Record of Decision (ROD) calling for the excavation and off-site disposal of the impacted soils and long-term monitoring of the site groundwater. The soil removal was completed in 1992, and the long-term quarterly groundwater monitoring program continues to the present.

During the 1992 soil removal activities, additional soil impacts and stained groundwater were encountered beneath the building floor slab. Groundwater recovery sumps (French drains) were installed at two locations to collect overburden-groundwater from beneath the building. The sump locations are shown on Figure 2 (north sump & south sump). The collected groundwater is currently treated on site via filtration through a Siemens Water Technologies metals-absorbing resin treatment system and subsequently discharged to the Town of Webster POTW with permission from the Town of Webster. Spent resin canisters are periodically collected and replaced by Siemens. Flow meter readings and water-quality samples are collected on a quarterly basis to monitor the effectiveness of the groundwater recovery and treatment system. Water flow through the treatment system has historically ranged from approximately 15,000 to 22,000 gallons per year, increasing to approximately 107,000 gallons per year since adding the basement sump.

Subsurface investigations have found that the depth to bedrock at the property ranges from approximately three to five feet (3 – 5 ft) below grade. The groundwater table is shallow, seasonally approaching 1-foot below grade at some monitoring wells. Intermittent streams and areas of ponded water are present locally during much of the year. During the summer months these local intermittent streams and the areas of standing water dry up, and the water table drops by several feet such that it is temporarily at or below the top-of-bedrock. Earlier investigations found that groundwater flow is towards the north regardless of seasonal fluctuations in the water table.

The overburden soils have been described during previous investigations as dark brown SILT underlain by brown fine SAND, in turn underlain by red-brown fine SAND with silt and gravel (conditions interpreted to represent a thin glacial till reworked by surface water). The bedrock is reddish-brown sandstone with characteristic green mottling and horizontal fracturing, sometimes with siltation along the fracture planes (probably, the Cambria Sandstone formation). Permeability test results indicate the bedrock has moderate to low hydraulic conductivity of approximately 5×10^{-4} cm/sec.

4.0 RELEASE OF CHROMIUM LIQUIDS

OP-TECH received a call from RD Specialties on January 26, 2008 requesting that we provide emergency response services for a discharge of suspected chromium-impacted water to the drainage ditch along the eastern side of Salt Road in Webster, NY. OP-TECH arrived at the site located at 560 Salt Road and with the aid of RD Specialties personnel ascertained details of the release. The release resulted from a sump pump located in the basement of the original site building which was discharging to the storm-water drainage system. Water flow from the sump pump had apparently drawn in chromium-impacted groundwater. The original site building was built by Richard Krasucki in 1949. The basement was reportedly dug into the top of bedrock when the building was constructed.

5.0 RESPONSE ACTIVITIES

OP-TECH initially responded to the site prepared for a liquid phase clean-up effort. However, the chromium-impacted water was partly frozen. Water in the drainage ditch was contained utilizing sorbent materials, and the basement sump-pump was rerouted to discharge to the facility's metals-absorbing resin treatment system. OP-TECH mobilized to the site the following

day to excavate the visibly stained portion of the trench (approximately 100-feet long) to a depth of six-inches (6"). The visibly stained soils were excavated and loaded into two (2) lined 30 cubic yard roll off containers and the roll offs were staged on the RD specialties property pending characterization and ultimate disposal of the soil. Water encountered in the work area was pumped into a 21,000 gallon holding tank staged on site.

5.1 Soil Disposal

Soil samples for purposes of landfill approval were obtained from the roll off containers on February 5, 2008 and submitted to Test America in Amherst, New York (NELAP certification #10026) for TCLP extraction and analysis of TAL Metals by analytical method SW8463-6010. Chemical Waste Management, Inc. (CWM) approved the waste material on October 28, 2008 via profile number NY298286 (Attachment 1). The 60 tons of soil generated during the initial response activities were subsequently transported by Page ECT, Inc. to CWM Model City Facility located at 1560 Balmer Road in Model City, NY for disposal as an F006 listed solid waste (chromium-impacted soil).

5.2 Water Treatment

Water encountered the during initial clean-up activities was containerized within a 21,000 gallon storage tank staged on the RD Specialties property where it remained pending characterization and eventual discharge through the on-site water treatment system. A water-quality characterization sample was required to determine the impact of discharging the water to the resin-bed treatment system. Water in the storage tank was sampled on April 25, 2008 and submitted to Paradigm Environmental Services for TAL Metals analysis by USEPA Method SW846 6010 (Attachment 1). Findings indicated 146 mg/L dissolved sodium and 44.1 mg/L dissolved calcium (possible road salt constituents) and much lower levels of other metals including 0.343 mg/L chromium. This level of chromium is well within the capabilities of the on-site resin-bed treatment system. The town of Webster was notified of increased discharge of treated liquids. The 19,000 gallons of water in the storage tank was discharged through on-site resin treatment system in May 2008.

6.0 SOIL SAMPLING

Surficial soil samples were analyzed in accordance with SW8463 EPA Method 6010 for chromium and hexavalent chromium with ASP Category B protocols. The laboratory data reports were validated using a third party validation company. These analyses were performed to investigate the concentration of chromium and hexavalent chromium as compared to the Unrestricted Use Soil Cleanup Objectives (SCOs) listed in 6 NYCRR Subpart Part 375-6. The SCO for Trivalent Chromium is 30ppm and Hexavalent Chromium is 1ppm (equivalent to mk/kg in soils). The number and locations of soil samples were selected at the direction of the NYSDEC representative. The sampling locations are shown on the site sketch maps, attached.

6.1 Confirmatory & Investigative Sampling

Following excavation of the visibly-impacted soils, OP-TECH collected a series of soil samples at the direction of NYSDEC. The purpose of the sampling was to identify remaining chromium-impacted soils outside of the excavated area and in soils exposed in the floor of the excavated area. Samples were obtained from the drainage ditch along the east side of Salt Road and from the seasonal creek north of Schlegel Road. The sample locations are indicated on Figure 3, and the sampling chronology is outlined below.

On February 4, 2008, post-excavation confirmatory soil samples were collected from six locations along the drainage ditch in the floor of the excavated area at a depth of zero to six inches below the excavated grade. The soil samples were collected on 20-foot spacings along a traverse of the excavated area, extending from the storm-water outlet to a distance of 100 feet down gradient of the outlet. The samples were submitted under chain of custody to Test America (formerly STL Laboratories) located on 10 Hazelwood Drive in Amherst NY (NELAP certification # 10026) for analysis of the RCRA TAL Metals list in accordance with ASP Category B Procedures. The laboratory results indicate minimal chromium impacts remaining in the soils lining the floor of the area that was excavated, approaching site background levels, which means that the remedial action of surface-scraping the top six inches of soil from the roadside drainage ditch was largely successful. At sample locations Ditch 40' and Ditch 0' chromium was detected at 64.2 mg/kg and 33.4 mg/kg, respectively, and these values still exceed the unrestricted use soil cleanup objective (SCO) for chromium of 30 mg/kg promulgated in New York State Code of Rules and Regulations Subpart 375-6: Remedial Program Soil Cleanup Objectives.

Analyte	NYSCRR Subpart 375-6	South End Ditch 0 Post Excavation	Ditch 20' Post Excavation	Ditch 40' Post Excavation	Ditch 60' Post Excavation	Ditch 80' Post Excavation	Ditch 100' Post Excavation
Results Reported in MG/KG	**Soil Cleanup Objective (mg/kg)**	**2/4/2008**	**2/4/2008**	**2/4/2008**	**2/4/2008**	**2/4/2008**	**2/4/2008**
Chromium	30	**33.4**	27.7	**64.2**	18.1	21.7	23.1

On February 5, 2008 five soil samples were taken from the drainage swale at locations beyond the excavated area. The sample depth interval was from zero to six inches below grade. These samples are located along a traverse extending from 120 to 200-feet down gradient of the storm-water outlet as shown on Figure 3. The samples were submitted to Test America located on 10 Hazelwood Drive in Amherst NY (NELAP certification # 10026) for analysis of the RCRA TAL Metals list in accordance with ASP Category B Procedures. The results indicate elevated chromium results at sample locations Ditch 120', Ditch 160', Ditch 180', and Ditch 200' which exceed the Subpart 375-6 SCO for chromium, as summarized in the table below. (Calcium and Magnesium are not regulated in terms of soil cleanup objectives. The presence of these common elements may be attributed to limestone, dolomite and other naturally-occurring rock fragments in the soils and are thus considered to reflect site background conditions. The levels reported in sample Ditch 160' are anomalous and appear unrelated to the subject site.)

Analyte	NYSCRR Subpart 375-6	Ditch 120'	Ditch 140'	Ditch 160'	Ditch 180'	Ditch 200'
Results Reported in MG/KG	**Soil Cleanup Objective (mg/kg)**	**2/5/2008**	**2/5/2008**	**2/5/2008**	**2/5/2008**	**2/5/2008**
Calcium	none	4,760	2,310	**122,000**	7,530	4,840
Chromium	30	**107**	11.7	**92.8**	**196**	**45.2**
Magnesium	None	2,190	982	**76,900**	3630	2,680
Mercury	0.18	0.1	0.051	0.124	0.131	0.048

On May 30, 2008 three additional soil samples were obtained from the drainage swale between sample locations Ditch 120', 125' and 130', and three more samples were collected from the seasonal creek north of Schlegel Road where the culvert terminates. The samples were submitted to Test America located on 10 Hazelwood Drive in Amherst NY (NELAP certification # 10026) for analysis of total chromium and hexavalent chromium in accordance with ASP Category B Procedures. The results indicate chromium in the soils at samples Ditch 120' at 130 mg/kg, Ditch 125' at 414mg/kg and Ditch 130' at 140 mg/kg, which exceed the Subpart 375-6 SCOs.

Hexavalent chromium was not detected above the method detection limits except at sample location Ditch 125, as summarized in the table below. Pertinent pages of the laboratory data report are included in Attachment 3.

Analyte	NYSCRR Subpart 375-6	Creek N OF SCHLEGAL	Ditch 120	Ditch 125	Ditch 130
Results Reported in MG/KG	**Soil Cleanup Objective (mg/kg)**	**5/30/2008**	**5/30/2008**	**5/30/2008**	**5/30/2008**
Chromium	30	36.2	**139**	**414**	**140**
Hexavalent Chromium	1	Not tested	1.9 U	**4.2**	1.9 U

Following these findings, NYSDEC requested the collection of additional soil samples from a small section of the drainage swale further down gradient of the previous samples, and from additional locations in the seasonal creek to which the culvert pipe discharges. Beyond sample location Ditch 220', runoff from the drainage swale enters a plastic culvert pipe which eventually discharges to the seasonal creek north of Schlegel Road. On August 4, 2008 three soil samples were collected near the culvert pipe discharge in the creek north of Schlegel Road, and also at sample locations Ditch 210', 215', and 220' in the unexcavated portion of the drainage swale. The laboratory results indicate chromium in samples Ditch 210' at a concentration of 234 mg/kg, Ditch 215' at 165 mg/kg, "Direct Outfall" at 55 mg/kg, 5' North of outfall at 42.9 mg/kg, and 4' NW of Outfall at 55.9 mg/kg which exceed the Subpart 375-6 SCO. Hexavalent chromium was not detected above the method detection limits.

Analyte	TAGM-4046	Ditch 210	Ditch 215	Ditch 220	Direct Outfall	5' NE of Outfall	4' NW of Outfall
Results Reported in MG/KG	**Soil Cleanup Objective (mg/kg)**	**8/4/2008**	**8/4/2008**	**8/4/2008**	**8/4/2008**	**8/4/2008**	**8/4/2008**
Chromium	15-40	**234**	**165**	19.1	**55.6**	**42.9**	**55.9**
Hexavalent Chromium	1	2.9 U	2 U	1.8 U	1.9 U	Not tested	Not tested

All samples were collected in general accordance with the NYSDEC's sampling procedures and protocols specified in Section 3.9 (d) of the Draft DER-10 Technical Guidance for Site Investigation and Remediation (December 2002). The laboratory analytical results are more

thoroughly summarized in Tables 1 and 2, and pertinent pages of the laboratory reports are included in Attachment 3.

6.2 Repeat Sampling of Soil and New Sampling of Stream Sediment

On April 29, 2008 NYSDEC requested that repeat samples of soil in the roadside drainage ditch and new sampling of stream sediment from the creek north of Schlegel Road be collected to confirm or deny earlier low-level chromium detects. The sampling locations are listed as follows:

1. Resampling at transect location Ditch 0'
2. Resampling at transect location Ditch 40'
3. New sample at Tributary Stream 50' below outfall
4. New sample at Tributary stream 5' below outfall
5. New sample at Tributary stream 50' above outfall

The purpose of the resampling is to confirm if the initial results, which are close to the Subpart 375-6 cleanup objectives, might be anomalous. These samples will be collected in the first phase of this Work Plan.

The repeat soil samples and new stream-sediment samples will be composited from three grab-samples transecting the sides and base of the flow channel. Samples will be obtained using a shovel, or other suitable sampling tools such as a plastic trowel, from a depth interval of zero to two inches (0 – 2 in.) below grade; a sample stake will be placed marking the sampling transect; at each transect location, three grab samples will be obtained across the transect of the flow channel (side-middle-side of the ditch or intermittent stream); the three grab samples will be composited by mixing in a new Ziploc bag; the composited soil or stream sediment will then be packed into laboratory-supplied glass jars and submitted under chain-of-custody to Test America located in Amherst NY (NELAP certification # 10026) for analysis of total chromium and hexavalent chromium in accordance with ASP Category B procedures. Sampling from the tributary stream will start at the downstream end to avoid possible effects of disturbing the stream sediment and mobilizing it towards down gradient sample locations. The sampling tools

will be decontaminated prior to and between sampling events by scrubbing with detergent wash, rinsing with fresh distilled water, and drying with clean paper towels. The decontamination station will be set-up near the sampling locations on plastic sheeting.

7.0 PROPOSED REMEDIAL ACTIVITIES

OP-TECH will commence additional excavations of chromium-impacted soils from the roadside drainage ditch pending receipt of the analytical results of the resampling described above,. Excavation in the roadside drainage ditch will start at location Ditch 100' and work downstream to the point where the drainage ditch converts to a culvert pipe just beyond sample location Ditch 220'. The excavation will extend to a nominal depth of six inches below grade along the sides and bottom of the ditch. More soil will be excavated at in the area of sample locations Ditch 0' to Ditch 40' depending on the findings from the resampling described in section 6.3, above. Soils at the drainage culvert outfall may also be excavated, if warranted based on the findings. Excavated soils will be staged on the RD Specialties property for characterization and eventual off-site disposal.

7.1 Surface Water Management

The ditch line is an active drainage swale therefore diverting the water flow will be required. OP-TECH is proposing to construct a dike out of sand bags at the twenty-foot (20') mark of the ditch line and utilizing a two-inch (2" diameter) pump to transfer the water around the proposed excavation area and directly into the culvert at the base of the drainage swale. Prior to commencing the diversion of the drainage water, a silt fence will be constructed at the culvert terminus north of Schlegel Road to capture sediment potentially mobilized during the work.

7.2 Traffic Management

During the proposed excavation activities OP-TECH will set up a lane closure of the north bound lane of Salt Road. This lane closure will consist of DOT work signage and road cone segregation of the work area per DOT requirements for posted speed limits. OP-TECH will communicate with the Monroe County Department of Transportation to obtain the necessary approvals to ensure compliance with DOT lane closure regulations. During all excavation activities OP-TECH will utilize two personnel to flag traffic from each end of work area in the south bound lane. This flag system will ensure safe operations for the excavation personnel as well as safe passage for traffic on Salt Road. The lane closure will be installed and removed daily, and will be

in effect during day light hours only. There will be no excavation after dark during this clean-up process.

7.3 Soil Excavation

Once the lane closure is in place, OP-TECH personnel will commence excavation. Based on the information garnered from the laboratory reports OP-TECH recommends the excavation of the soil from the remaining areas of the roadside ditch to a depth of six-inches (6") below grade. The excavations will cover two sections of the ditch north of the previously-excavated section; one is the area from locations Ditch 120' to Ditch 200', and the other is from locations Ditch 210' to Ditch 220'. The materials excavated will be loaded into an onsite dump truck and transported to a designated stockpile area on the RD Specialties Property. The stockpile area will be constructed to have a bermed perimeter and will be lined with two layers of 6 mil polyethylene sheeting. The stockpiles will be covered at the end of each day with one layer of 6-mill poly sheeting and secured in place. The stockpiles will remain on-site pending characterization and final disposal.

7.4 Confirmatory Soil Sampling

Determination of a satisfactory cleanup of the soil contamination will be based on the results of laboratory analyses of the confirmatory soil samples. NYSDEC requested that we collect five (5) confirmation samples (post-excavation) from the roadside ditch in an effort to demonstrate that contaminated media have been properly remediated. The samples will be collected in general accordance with the NYSDEC's sampling procedures and protocols at locations selected in conjunction with the NYSDEC site representative. As discussed with NYSDEC on May 29, 2008, we anticipate two composite soil samples will be required from the area of locations Ditch 210 to Ditch 220', and the other three will come from the section between locations Ditch 110' and Ditch 200'.

The post excavation confirmatory soil sampling will utilize the same transect-composite approach described in section 6.3, above. Each post-excavation sample will be a composite soil sample comprised of three (3) grab locations spaced at approximately six-foot (6') interval across the axis of the ditch line. The grabs will be collected from sides and bottom of the ditch line. The samples will be consolidated into a new one-gallon zip lock bag and mixed until a homogeneous blend has been achieved. The soils will then be placed into pre-cleaned laboratory glassware, labeled, placed into a cooler and transported via a chain of custody to a New York State Licensed Laboratory. The samples will be submitted to Test America located on 10 Hazelwood Drive in

Amherst, NY for analysis of chromium and hexavalent chromium in accordance with ASP Category B procedures. The laboratory analytical data package generated for the confirmatory (post-remediation) samples will be reviewed and evaluated by a third party independent from the laboratory performing the analyses. The reviewer will develop a Data Usability Summary Report (DUSR) satisfying the guidance for the development of DUSRs contained in Appendix 2B of NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation (December 2002). This process includes an evaluation of the data completeness, sample holding times, quality control data, analysis protocols, raw data, and the use of data qualifiers.

7.5 Disposal Characterization Analysis

The characterization sample of the soil stockpiles will be a composite sample collected in accordance with the procedures outlined in Section 6.3, above, except the grab samples will be collected from six to eight spots across the soil stockpile prior to compositing them in a ziplock bag. The composite sample will be submitted for laboratory analysis in accordance with the receiving facility's acceptance criteria. OP-TECH anticipates that the soil stockpile will, at a minimum, be analyzed by TCLP extraction and analysis of the TAL Metals by USEPA Method 6010, as previously required for the soils disposed of at the CWM facility at Model City, NJ during the initial phase of this clean up in 2008.

8.0 MONITORING WELL INSTALLATION

Following approval of the work plan and completion of the utility mark-out, OP-TECH will mobilize an experienced drilling crew to install five (5) two-inch (2") diameter monitoring wells utilizing hollow stem auger drilling equipment. Four of the wells are going to be drilled inside of the manufacturing building. Drilling inside of the facility is made difficult by the low overhead clearance of just over 11 feet, requiring a low-profile drill rig suitable for working indoors. A Gus Pech Model 750 propane-powered rig is scheduled for this work. The drilling locations have been selected in conjunction with the NYSDEC engineer and are intended to delineate the soil and groundwater conditions under the building, and to better define the local groundwater flow and groundwater quality in the vicinity of the basement sump. Three wells will be staggered in an arrow formation between the 1992 cleanup area and the basement sump. The fourth well is located in the east end of the building adjacent to a former plating process area. The fifth well will be installed outside on the front of the property, just south of the visitors parking area near the office building.

These additional groundwater monitoring wells will allow better measurement of groundwater elevations across the site and for collection of groundwater samples at the corresponding locations. The additional wells will aid in determining the direction and gradient of shallow groundwater flow, and shed light on how chromium-impacted groundwater reached the basement sump. The wells will be used for obtaining water-level measurements and groundwater quality samples in conjunction with the existing wells on the property. The proposed well locations are shown on Figure 3.

8.1 Monitoring Well Installation Procedures

Groundwater monitoring wells will be installed in each of five (5) proposed borings. The boreholes will be advanced using hollow-stem auger drilling techniques and continuous split-spoon sampling of the overburden soils. The boreholes will extend to a depth of five feet (5 ft) into the bedrock by advancing the hollow-stem augers into the top of and then by coring the bedrock to the final depth.

Continuous soil split-spoon samples will be collected at each borehole to refusal on the top-of-bedrock. The recovered soil samples will be characterized by a qualified OP-TECH technician with respect to predominant soil types (i.e., gravel, sand, silt, clay), color, and relative moisture content (i.e., moist, wet, saturated). The soil sample from immediately above the top-of-bedrock in each boring will be submitted to Test America located on 10 Hazelwood Drive in Amherst, NY for analysis of chromium and hexavalent chromium in accordance with ASP Category B Procedures.

Two-inch I.D. Schedule 40 PVC groundwater monitoring wells will be installed in each of the boreholes. After advancing the augers to refusal, the bedrock will be cored to a nominal 4-in diameter hole (H-core). The driller may install a temporary steel casing in lieu of coring through the augers, if necessary or required to facilitate the drilling. A monitoring well constructed of 2-inch diameter by 5-ft long Schedule 40 PVC well screen having 0.010-inch slots) and applicable length of riser pipe will be installed within the borehole such that the top of the well screen is situated along the top-of-bedrock. During removal of the casing, the annular space surrounding the screen will be filled with No. 00N silica sand, extending approximately one foot above the top of the screen. A bentonite seal comprised of hydrated granular bentonite will be placed above the

sand pack. The surface completions of the wells will be finished with j-plugs and locks inside flush-mount well protectors or stand-up well protectors embedded in concrete pads for the outside well.

8.2 Monitoring Well Development

Upon completion of the installation, the new monitoring wells will be developed by bailing to clear fine particles from well. Development of the monitoring wells is intended to remove as much fine sediments and as possible from the sand pack. Top-of-bedrock wells in the Salt Road area may never reach a clear or sediment-free condition due to the abundant fine particles in the glacial till soils. Well development will continue until the turbidity has stabilized, and a minimum of five well volumes has been removed; or to repeated dryness at the discretion of the OP-TECH foreman. The well-development water will be staged in a 55-gallon drum on-site for eventual treatment through the facility's resin-based treatment system. Following installation and well development, the new wells will be allowed to stabilize for a minimum of three (3) days prior to the conducting the initial sampling event.

8.3 Monitoring Well Sampling

Each well will be sampled for laboratory analysis for total chromium and hexavalent chromium. The wells will be sampled using low flow purging and sampling methods in general accordance with ASTM Standard D 6771-02 *Standard Practice for Low-Flow Purging and Sampling for Wells and Devices for Groundwater Quality Investigations*. The monitoring wells will be initially gauged to determine the depth to groundwater prior to the start of the sampling event. The low flow purging procedure will involve inserting dedicating 3/8 inch O.D. polyethylene tubing so that the pumping intake is positioned in the middle of the wetted screened interval (approximately the mid point of the well screen in this case). A peristaltic pump and multi-parameter water quality monitor with a closed, flow through cell will be utilized to obtain groundwater chemistry readings including temperature, specific conductivity, pH, oxygen reduction potential, dissolved oxygen and turbidity. The water chemistry parameters and water level measurements will be recorded at timed intervals to demonstrate that stabilization of the well has occurred prior to sampling. Parameters may be considered stabilized when pH readings are within +/- 0.1unit, conductivity varies +/- 3%, oxidation-reduction potential varies <10 mV, and dissolved oxygen and turbidity stay with +/- 10% for three successive readings taken every 3 to 5 minutes. The groundwater samples are then collected in laboratory provided glassware at the same flow rate used to purge the well.

There should be minimal water-level drawdown in the well (ideally < 0.1 m) during the low-flow pumping and sampling. The objective is to pump in a manner that minimizes stress to the system as measured by minimal drawdown. Flow rates on the order of 0.1 to 0.5 L/min are typically used to achieve minimal drawdown. The use of dedicated tubing for each well will minimize the potential for cross-contamination.

Stabilized water chemistry indicates that fresh formation water is being pumped providing a more accurate representation of groundwater contaminant concentrations. The low-flow sampling technique pumps in a manner to minimize stress on water table during purging and should result in substantially less sediment than conventional bailer sampling methods, which tend to surge the water in the well.

The groundwater samples will be submitted to Test America Laboratories, Inc. located at 10 Hazelwood drive Buffalo, NY for analysis of total chromium and hexavalent chromium with ASP Category B deliverables.

9.0 COMMUNITY AIR MONITORING PLAN

All ground intrusive work at the site will be accompanied by monitoring of worker breathing zones and general work areas via this Community Air Monitoring Plan (CAMP). It is not anticipated that a significant airborne exposure hazard exists to workers or the local community, considering the known contaminants of concern at the site are dissolved metals and not volatile organic compounds, and that the subsurface soils are likely to be moist or wet when excavated. However, a potential exposure route for chromium during this work is dust inhalation. As such, all work activities will be conducted in a manner to minimize dust. Dust-suppression techniques may be utilized as warranted. A copy of the NYSDEC Draft DER-10 Appendix 1A "*NYSDOH Generic Community Air Monitoring Plan"* is included as Attachment 5, and will be adhered to for all ground-intrusive work activities at the site. Implementation of the CAMP requires the use of a particulate meter similar or equivalent to a Dustract® monitor capable of measuring particulate matter <10 microns in size.

10.0 REPORTING

Following completion of the Work Plan and receipt of the laboratory analytic results from the sampling events described above, a remedial action report will be compiled by OP-TECH and

submitted to NYSDEC. The report will be prepared in general accordance with NYSDEC Draft DER -10 Section 5.8, to include the following information:

- A summary of the remedial actions completed including quantities and concentrations of contaminants removed or treated, a listing of waste streams, quantity of materials disposed and where they were disposed, a list of the remediation standards applied to the remedial actions, figures showing the limits of soil removals and the locations and results of confirmatory samples, tables containing the pre- and post-remediation data, fully-executed manifests documenting any off-site transport of waste material,
- A summary of investigation findings from the drilling program including test-boring logs, well-construction diagrams, field observations, groundwater sampling records and water-level readings;
- Figures representing groundwater flow conditions;
- Figures showing the soil and groundwater sampling locations and results;
- Summary tables of the laboratory analysis results comparing the target contaminants with Unrestricted Use Soil Cleanup Objectives listed in 6NYCRR Part 375 and NYSDEC groundwater standards published in 6NYCRR Part 703 and TOGS 1.1.1;
- Copies of the laboratory analysis results including chain of custody documentation;
- Discussion of the results and conclusions drawn.

RD SPECIALTIES, INC.
560 SALT ROAD WEBSTER, NY

SUMMARY OF SOIL SAMPLING RESULTS FOR TARGET ANALYTE LIST METALS
TABLE -1

			6NYCRR Subpart 375-6 Unrestricted Use	South End Ditch 0 Post Excavation	Ditch 20' Post Excavation	Ditch 40' Post Excavation	Ditch 60' Post Excavation	Ditch 80' Post Excavation	Ditch 100' Post Excavation	Ditch 120'	Ditch 140'	Ditch 160'	Ditch 180'	Ditch 200'
Results Reported in mg/kg	Eastern US Background	CRDL (mg/kg)	Soil Cleanup Objective (mg/kg)	2/4/2008	2/4/2008	2/4/2008	2/4/2008	2/4/2008	2/4/2008	2/5/2008	2/5/2008	2/5/2008	2/5/2008	2/5/2008
Aluminum	33000.0	2.0	SB	4,770	3,960	4,960	3,410	4,590	3,270	6,600	5,390	5,880	7,100	5,650
Antinomy		0.6	SB	<22.7	<20.7	<25.6	<25.1	<23.5	<24	<36.9	<21.1	<34.5	<38.7	<22.1
Arsenic	3 to 12	0.1	13	<3	<2.8	<3.4	<3.3	6.3	<3.2	<4.9	<2.8	<4.6	<5.2	3.8
Barium	15 to 600	2.0	350	29.3	34.6	43.6	43.4	52.9	40.8	50.1	43	54.8	62	42
Beryllium	0-1.75	0.05	7.2	<0.30	<.28	<.34	<0.33	0.57	<0.32	<0.49	<0.28	<0.46	<0.52	<0.30
Cadmium	0.1-1	0.05	2.5	<0.30	<.28	0.34	<0.33	<0.31	<0.32	<0.49	<0.28	<0.46	<0.52	<0.30
Calcium	130-35,000	50.00	SB	2,600	13,600	15,700	12,500	9,400	5,160	4,760	2,310	**122,000**	7,530	4,840
Chromium	15-40	0.10	30	33.4	27.7	**64.2**	18.1	21.7	23.1	**107**	11.7	**92.8**	**196**	**45.2**
Cobalt	2.5 -60	0.50	SB	3.1	3	3.8	2.6	3.6	3	3.4	2.3	2.9	3.9	3.7
Copper	1 - 50	0.25	50	6.3	5.8	7.7	6.1	6.3	3.8	9.1	4.7	9.1	9	11.6
Iron	2,000 - 550,000	1.00	SB	7,630	7,380	9,800	7,130	31,100	6,840	12,400	8,500	10,600	13,900	12,400
Lead	4 to 61	0.03	63.0	8.4	6.2	8.5	5.7	11.1	3	19.3	10	20.6	17	15.3
Magnesium	100 - 5,000	50.00	SB	1,700	4,030	**5,160**	4,670	3,520	2,320	2,190	982	**76,900**	3630	2,680
Manganese	50 - 5,000	0.15	1600	154	178	250	183	219	313	348	106	854	584	158
Mercury	0.001 - 0.2	0.002	0.18	0.026	0.024	<0.026	<0.028	<0.024	<0.026	0.1	0.051	**0.124**	**0.131**	0.048
Nickel	0.5-25	0.40	30	5.8	5.8	7.3	5.3	6.6	6.2	6.6	4.6	4.8	7.1	7
Potassium	8,500 - 43,000	50.00	SB	561	565	589	536	478	704	517	323	644	643	468
Selenium	0.1 - 3.9	0.05	3.9	<6.1	<5.5	<6.8	<6.7	<6.3	<6.4	<9.8	<5.6	<9.2	<10.3	<5.9
Silver	N/A	0.10	2	<0.76	<0.69	0.85	<0.84	<0.78	<0.80	<1.2	<0.70	<1.2	<1.3	<0.74
Sodium	6,000 to 8,000	50.00	SB	243	477	369	701	419	646	<344	<197	<322	617	355
Thallium	N/A	0.10	SB	<9.1	<8.33	<10.2	<10	<9.4	<9.6	<14.8	<8.5	<13.8	<15.5	<8.9
Vanadium	1-300	0.50	SB	11.1	10.2	13.5	9.9	35	8.6	19.6	16.1	16.7	20.8	18.4
Zinc	9 - 50	0.20	109	29.3	25.9	36.7	26.1	38.3	17.9	52.5	26.7	37.2	57.3	48.2

RD SPECIALTIES, INC
560 SALT ROAD WEBSTER, NY

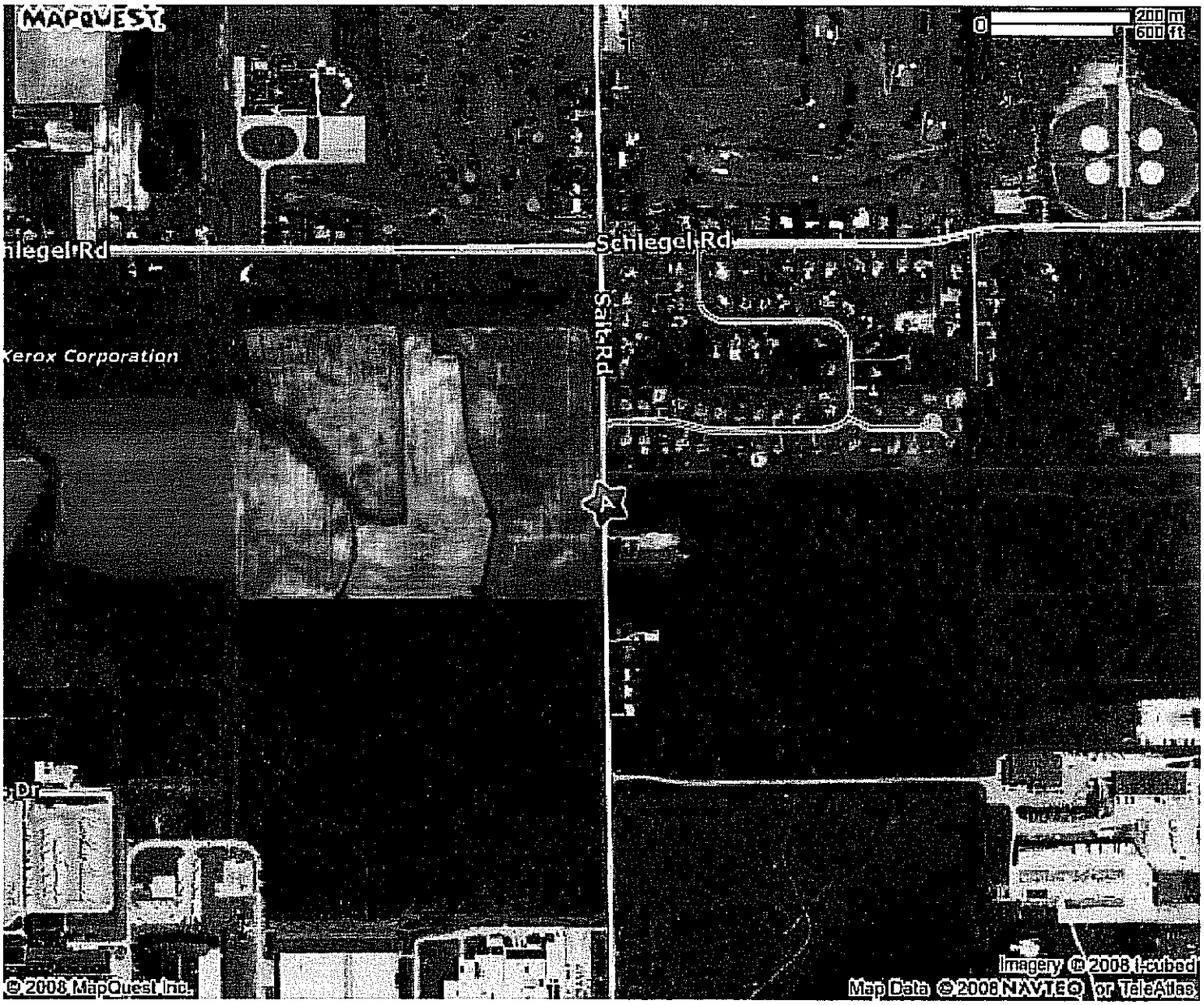
SUMMARY OF SOIL SAMPLING RESULTS FOR CHROMIUM & HEXAVALENT CHROMIUM
TABLE-2

Results Reported in mg/kg	Eastern US Background	NYCRR Subpart 375-6 Soil Cleanup Objective (mg/kg)	Ditch 210 8/4/2008	Ditch 215 8/4/2008	Ditch 220 8/4/2008	Direct Outfall 8/4/2008	5' NE of Outfall 8/4/2008	4' NW of Outfall 8/4/2008
Chromium	15-40	30	234	165	19.1	55.6	42.9	55.9
Hexavalent Chromium	nt	1	2.9 U	2 U	1.8 U	1.9 U	nt	nt

Results Reported in mg/kg	Eastern US Background	NYCRR Subpart 375-6 Soil Cleanup Objective (mg/kg)	Creek N OF SCHLEGAL 5/30/2008	Ditch 120 5/30/2008	Ditch 125 5/30/2008	Ditch 130 5/30/2008
Chromium	15-40	30	36.2	139	414	140
Hexavalent Chromium	nt	1	nt	1.9 U	4.2	1.9 U

FIGURE 1

AERIAL PHOTO
&
PROJECT LOCATION MAP


MAPQUEST
0
200 m
600 ft
hlegel Rd
Schlegel Rd
Salt Rd
Xerox Corporation
Imagery © 2008 i-cubed
© 2008 MapQuest, Inc.
Map Data © 2008 NAVTEQ, or TeleAtlas

Address **560 Salt Rd**
Webster, NY 14580

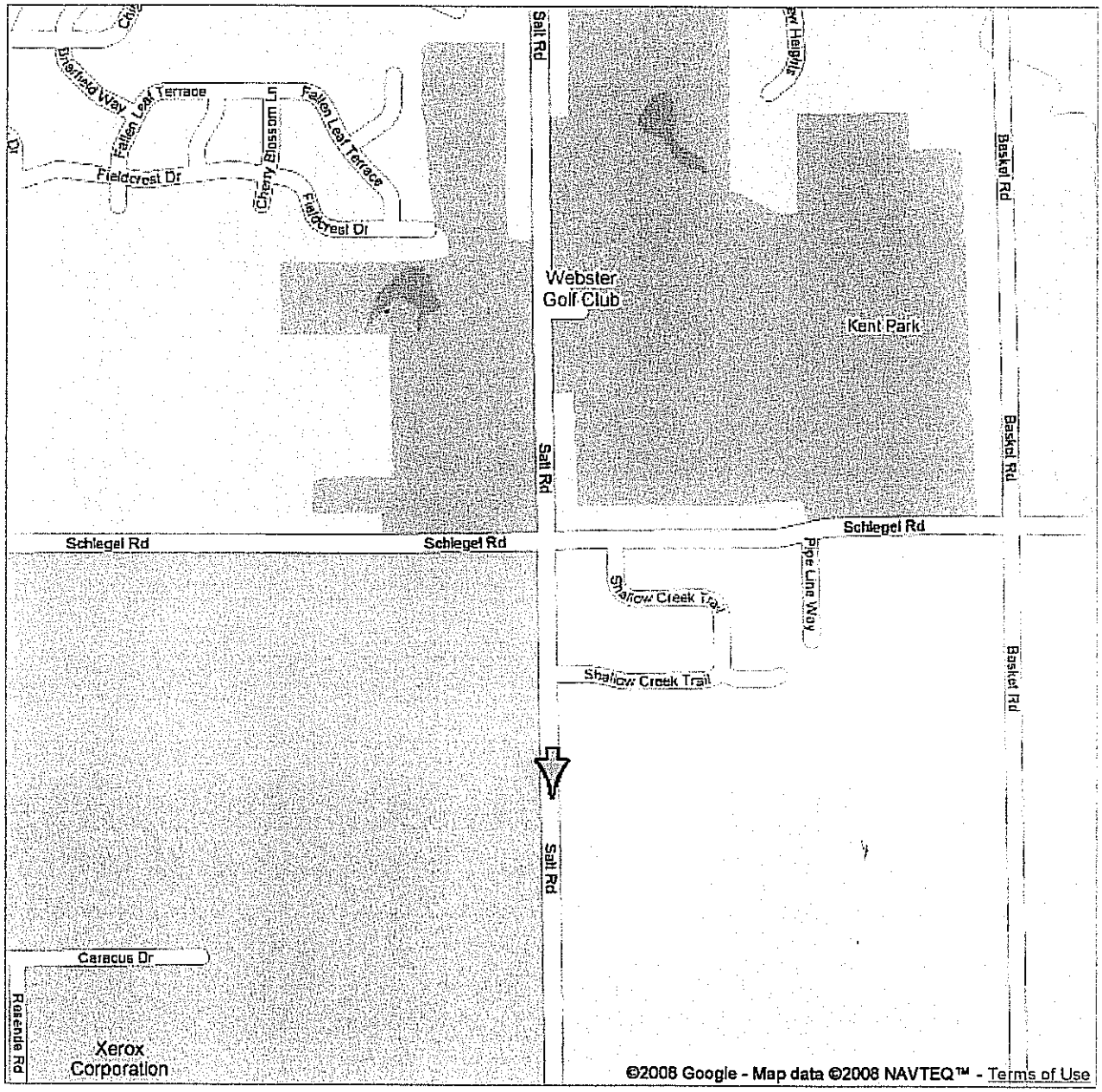


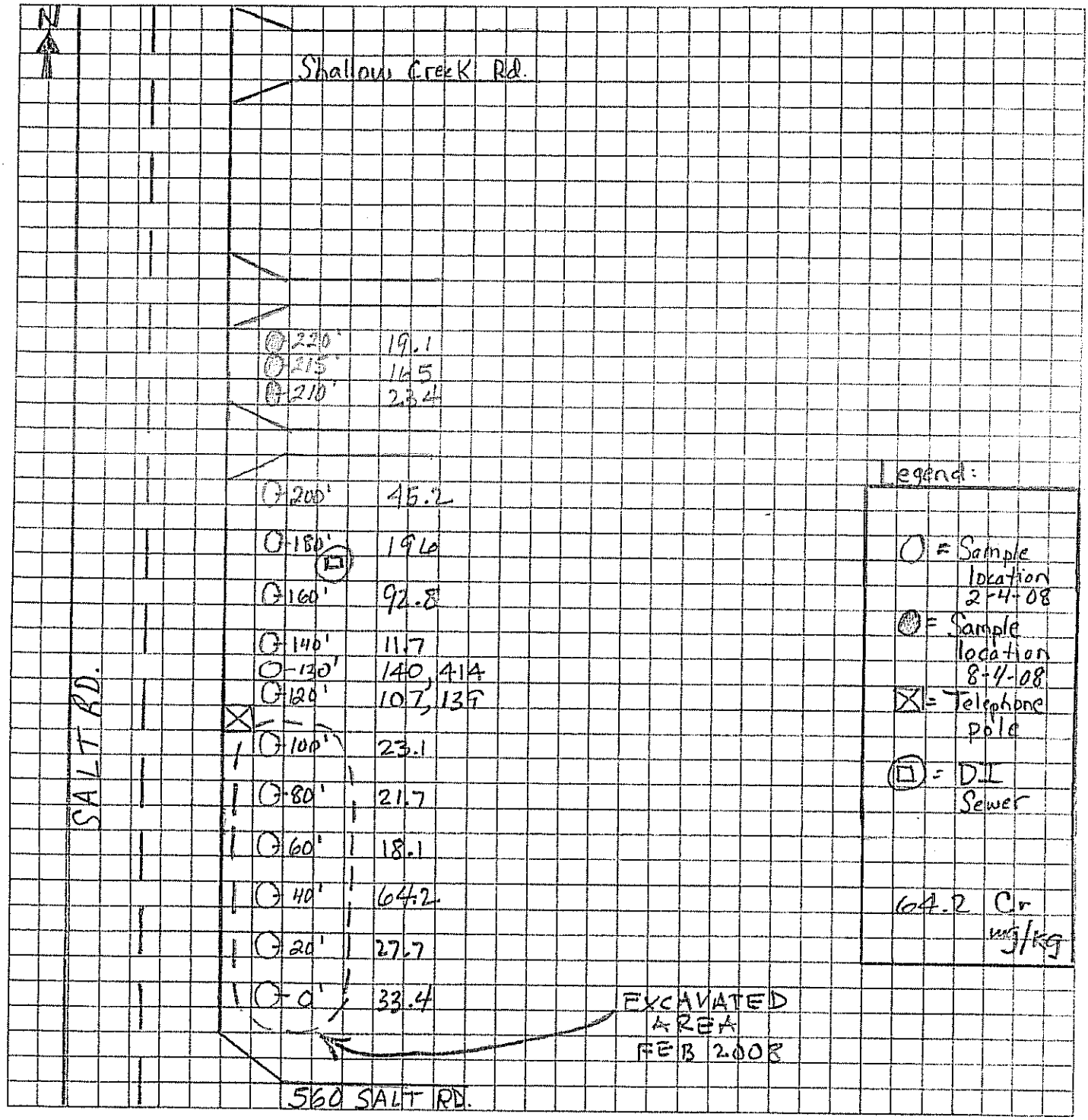
FIGURE 2

Sketch Maps of Roadside Drainage Ditch Sampling

OP-TECH

Response • Service • Experience •

Job No. RRD50001
Address 560 Salt Rd. Webster, NY



OP-TECH

Response • Service • Experience •

Job No. RRDS0001
Address 560 Salt Rd. Webster, NY

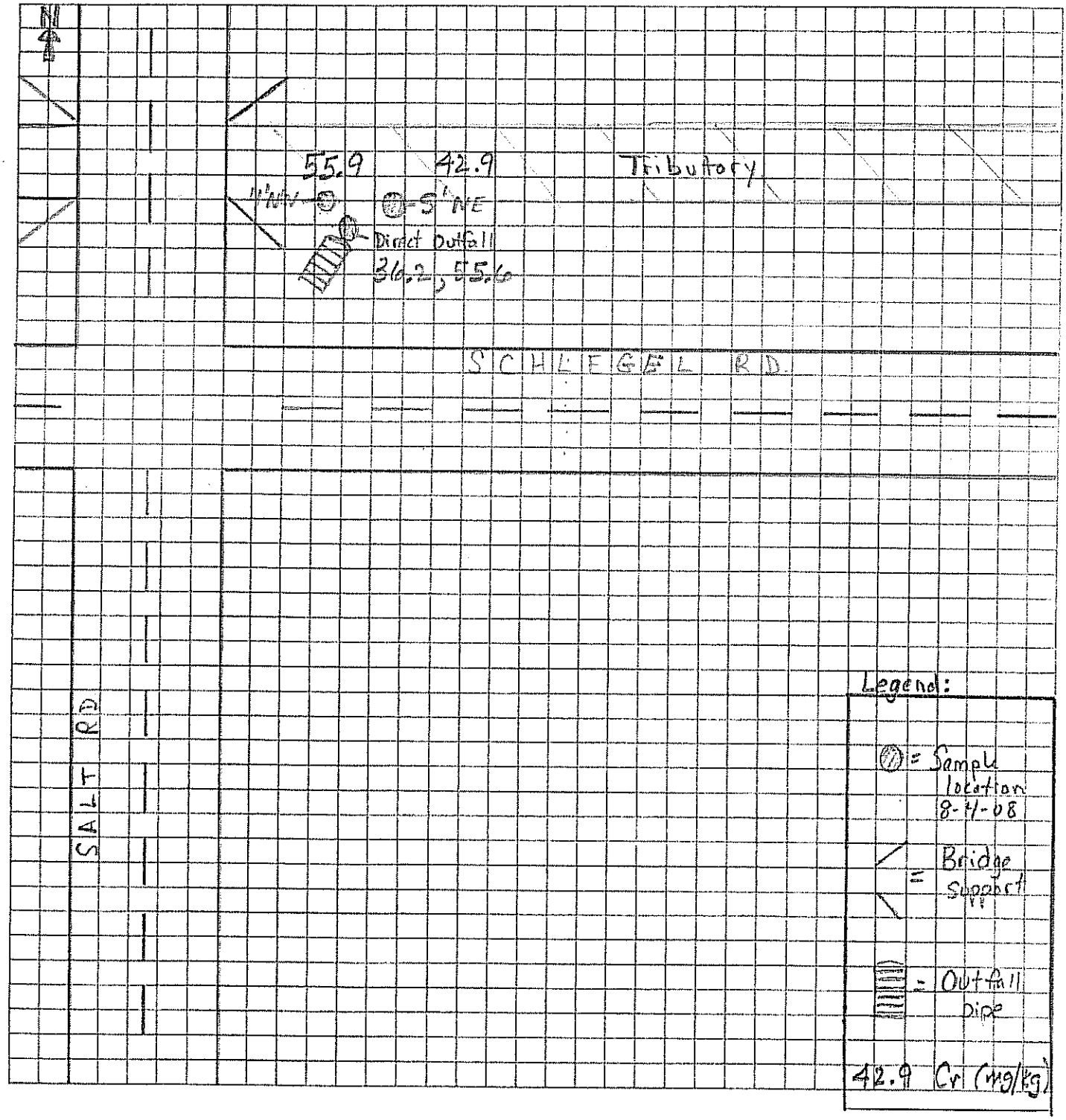
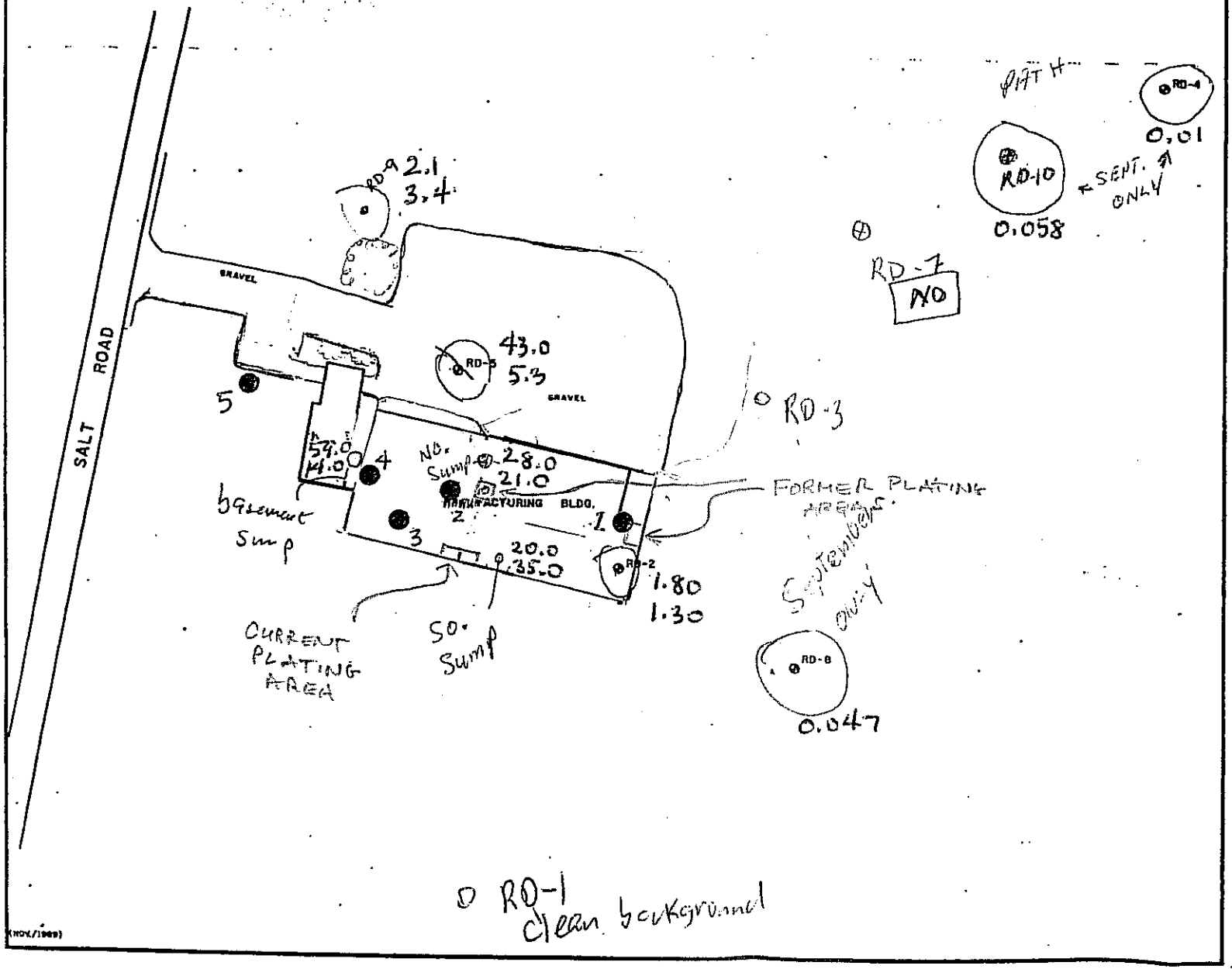


FIGURE 3

PROPOSED MONITORING WELL LOCATION MAP

FIGURE 2



LEGEND

- MONITORING WELL
- SOIL BORING
- SOIL SAMPLE
- SURFACE WATER SAMPLE
- SOIL SAMPLE LOZIER, 1985.
- 1 PROPOSED WELL
- 0.01 SAMPLING RESULTS 2008

RD SPECIALTIES INC.
WEBSTER, NEW YORK

FEASIBILITY STUDY

SAMPLING LOCATION PLAN

SCALE
60' 0 60'

PLASSARD & BOUCK ENGINEERS, P.C.
ENGINEERS & GEOSCIENTISTS

Attachment 1

Waste Manifest Documentation

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD041295127	1	800-236-6750	000634051 JJK

GENERATOR

5. Generator's Name and Mailing Address
RD Specialities
560 Salt Rd.
Webster, NY 14580
Generator's Phone: 585-265-0220

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

6. Transporter 1 Company Name: Page ETC Inc. — U.S. EPA ID Number: NYD986969947

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

8. Designated Facility Name and Site Address
CWM Chemical Services, LLC
PO Box 200, 1550 Balmer Road
Model City, NY 14107
Facility's Phone: 716-754-8231
U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous Waste, Solid, N.O.S. (Chromium) 9 NA3077, PGIII (ER9871)	001	CM	20	P	F006	L	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Approval #NY295285

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

Generator's/Offeror's Printed/Typed Name — Signature — Month: 01 — Day: — Year: 09

INTL

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

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: CLINT WEAVER — Signature — Month: 01 — Day: 21 — Year: 09

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

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

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

1.	2.	3.	4.

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

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

CONFIRMATION LETTER

October 28, 2008

Travis Rawson
OP TECH
1 ADLER DR
EAST SYRACUSE, NY 13057-1223

Re: Confirmation Number 5626072

Attention: Travis Rawson

We are pleased to confirm CWM's approval of your waste material as described below. The attached profile for the waste materials was prepared by CWM based upon information provided by you. It is important that no changes be made to the profile without CWM's consent. If the profile meets with your approval, please call 1-716-754-8231 to schedule shipment of your waste materials.

CWM Profile Number:	NY298286 MDC
Approved Mgmt. Facility:	CWM MODEL CITY FACILITY or another CWM or CWM approved facility
Waste Name:	CHROMIUM IMPACTED SOIL
Disposal Method:	Subtitle C Landfill
Disposal Price:	- $75.00/ton, 10-ton minimum per load. - Disposal surcharge will apply; currently 5.13%, varies weekly. - Environmental Fee 3% applies.
Taxes:	Town tax @ 6% of disposal
Transportation Price:	- Customer to arrange own transportation.
Pricing Conditions:	- Discrepant loads may be handled based upon site capabilities; however pricing must be negotiated prior to acceptance of significantly discrepant loads. - Must meet any and all treatment standards for direct landfill.
Profile Expiration Date:	10/21/09
Special Conditions:	- Waste profile sheet numbers must appear on

October 28, 2008

Re: Confirmation Number 5626072, CWMI Profile Number NY298286 MDC

manifests
- No demurrage will be paid by CWM Chemical Services, Inc., for delays at Model City for on-site acceptance procedures when generator/customer arranges their own transportation.
- CWM Chemical Servies, L.L.C. (CWM) has all the necessary permits and licenses and is authorized for the management of the waste that has been characterized and identified by this profile.
- Special Land Disposal Notification and Certification Form must be properly executed and accompany first shipment of this waste. If EPA codes change, a profile modification and new Special Land Disposal Notification and Certification Form will be required.

Applicable state and local taxes are not included in these disposal prices. All wastes are priced as profiled, invoiced as actually received. Invoices shall be paid no later than thirty (30) days from the date of receipt. All terms are governed by the Agreement previously executed between our companies. The prices quoted above are subject to change by CWM upon thirty (30) days' prior written notice to you unless otherwise specifically provided or per the terms of our Agreement. If we have not previously concluded a Service Agreement with your company, one is enclosed for your convenience. Please sign and return it to us as soon as possible. Also, if 'Signature on File' does not appear on the signature line of the Waste Profile Sheet, please sign and return it before scheduling your material.

If you have any questions or would like to make changes to the profile, please contact your representative. Thank you for this opportunity to be of service.

Lynn Fitzsimmons

Lynn Fitzsimmons
Chemical Waste Management, Inc

Date Printed: 10/28/08 Chemical Waste Management, Inc. Profile #

GENERATOR'S WASTE PROFILE SHEET MDC NY298286

(_) Check here if this is a Recertification LOCATION OF ORIGINAL CWM MODEL CITY FACILITY

A/B WASTE GENERATOR AND CUSTOMER INFORMATION

1. Generator Name: RD SPECIALTIES Generator USEPA ID: NYD041293127

2. Generator Address: 560 SALT RD Billing Address: OP TECH
(_) Same
1 ADLER DR

WEBSTER NY 14580

3. Technical Contact/Phone:

EAST SYRACUSE NY 13057-1223

4. Alternate Billing Contact/Phone: Contact/Phone:

C. WASTE STREAM INFORMATION

1a Process Generating Waste: SPILL FROM CR PLATING LINE
1b Waste Name: CHROMIUM IMPACTED SOIL
1c Color : BROWN
1d Strong Odor:(_);describe:
1e Physical State @ 70F: Solid(X) Liquid(_) Both(_) Gas(_) If Single Layer (X) Multilayer (_)
1g Free liq. range: ___ to ___% Gravity: _____ to _____ Viscosity: ___ BTU/lb: _____ to _____
1h pH: Range .0 or Not applicable (X)
1i Liquid Flash Point: < 73F (_) 73-99F (_) 100-139F (_) 140-199F (_) >= 200F (_) N.A. (X) Closed Cup (X) Open Cup (_)

2a Is this a USEPA hazardous waste (40 CFR Part 261)? Yes (X) No (_)
2a Identify ALL USEPA listed and characteristic waste code numbers (D,F,K,P,U): F006
State Waste Codes:
2b Do underlying hazardous constituents (UHCs) apply (40CFR268.48)?(N)
2d Is the waste predominantly debris subject to the Alternate Debris Standards(40 CFR268.45)? (N)
2e Is the waste predominantly soil subject to the Alternate Soil Treatment Standards(40 CFR268.45)? (N)
2f Does the waste contain asbestos? (_) If yes, is waste Friable(_) Non-Friable(_) or Both(_)
2g Waste contains benzene in concentrations _ _____ ppm. NESHAP?(_)
2h Is waste remediation from a major source of Haz Air Pollutants (Site Remediation NESHAP, 40CFR 63 subpart GGGGG)?(N)
If yes, does the waste contain <500 ppmw VOHAPs at the point of determination?(_)
2i Waste contains PCBs (< >) _ _____ ppm, regulated by 40 CFR 761?(_)
Are PCBs regulated under SIRS Mega Rule (40 CFR 761,61(a)?(_)

2j CHEMICAL COMPOSITION: List ALL constituents (incl. halogenated organics) present in any concentration and forward analysis

Constituents	Range		Unit Description
SOIL	100 to	100	%
BARIUM	0.35 to	0.35	MG/L TC
CHROMIUM	0.14 to	0.14	MG/L TC
	to		
	to		
	to		
TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%):	100.000000		

2k Is the waste: Pyrophoric (_) Water-Reactive (_) Shock Sensitive (_) Oxidizer (_) Carcinogen (_) Infectious (_)
Other
2l Is waste Group 1 wastewater or residual under Hazardous Organic NESHAP?(_)
2m Does the waste contain radioactive material? (N) Regulated by NRC?(_) Is radioactive waste NORM?(_)
2n Is the waste a CERCLA (40 CFR 300, Appendx B) or state mandated cleanup?(N)

3a This is a Nonwastewater.
3e Physical Appearance: SOIL
3f If waste subject to the land ban & meets treatment standards, check here: (Y) & supply analytical results where applicable.
3g Tracking Number: 5626072

D. DOT Information and Shipping Volume

D1 Anticipated Annual Volume: 120 Units: TONS Shipping Frequency: ONE TIME
D2 PACKAGING: Bulk Solid (X) Bulk Liquid (_) Drum (_) Type/Size: ROLLOFF Other

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize CWM to obtain a sample from any waste shipment for purposes of recertification.

Signature on original profile NY298286 ERIC J FRANKENBERG 10/01/08
Signature Name and Title Date

Date Printed 10/28/08

Profile #
MDC NY298286

Identify ALL Characteristic and Listed USEPA hazardous waste numbers that apply (as defined by 40 CFR 261). For each waste number, identify the subcategory (as applicable, check none, or write in the description from 40 CFR 268.41, 268.42, and 268.43).

REF #	A. US EPA HAZARDOUS WASTE CODE(S)	B. SUBCATEGORY Enter the subcategory description. If not applicable, simply check none		C. APPLICABLE TREATMENT STANDARDS			D. HOW MUST THE WASTE BE MANAGED?
				PERFORMANCE-BASED: Check as applicable		SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s)	
		DESCRIPTION	NONE	268.41(a)	268.43(a)	268.42	Enter letter from below
1	F006	METALS					D
2	F006	CYANIDE					D
3							
4							
5							
6							
7							
8							
9							
10							

Management under the land disposal restrictions:

A. RESTRICTED WASTE REQUIRES TREATMENT

A.1 RESTRICTED WASTE REQUIRES TREATMENT TO ALTERNATE SOIL STANDARDS

B.1 RESTRICTED WASTE TREATED TO 268.40 STANDARDS

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UHCS

B.5 RESTRICTED WASTES TREATED TO ALTERNATE SOIL STANDARD

B.6 RESTRICTED WASTES TREATED TO ALTERNATE DEBRIS STANDARD

C. RESTRICTED WASTE SUBJECT TO A VARIANCE

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS

Date Printed 10/28/08

Profile #
MDC NY298286

E. TRANSPORTATION INFORMATION

a. Is this a DOT Hazardous Material? Yes X No _

b. Proper Shipping Name. . . . . : HAZARDOUS WASTE, SOLID, N.O.S.

and Additional Description if required: (F006)

c. DOT Regulations: North America Hazard Class: 9 Misc.Hazardous Mat'l I.D. NA3077 Packing Group: III
2nd Haz Cls : ____

c. CERCLA Reportable Quantity (RQ) and units (Lb, Kg): 10 Lb

e. Non-Bulk code 213 Bulk code 240

f. Special Provisions B54 IB8 IP2 T1 ___ +++ See DOT Regs for more info

g. Labels Required CLASS 9

F. SPECIAL HANDLING INFORMATION

_ Material Safety Data Sheets Attached

G. OTHER INFORMATION

H. CHEMICAL WASTE MANAGEMENT CERTIFICATION

Chemical Waste Management, Inc. has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

10/28/08 LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (PHASE IV) HDC-NY298286

Generator Name: RD SPECIALTIES Manifest Doc. No.: _____

Profile Number: NY298286 State Manifest No: _____

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Nonwastewater X Wastewater _
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent treatment standards are listed on the following page. If F039, multi-source leachate applies, those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE(S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	F006	METALS		D
2	F006	CYANIDE		D
3				
4				

To identify F039 or D001-D043, underlying hazardous constituent(s), use the "F039/Underlying Hazardous Constituent Form" provided (CWM-2004) and check here: _
If no UHCs are present in the waste upon its initial generation check here: X
To list additional USEPA waste code(s) and subcategorie(s), use the supplemental sheet provided (CWM-2005-D) and check here: _
Disposal facility monitors for all UHCs check here _
If waste will be managed in a system regulated under the CWA, or a Class 1 injection well under the SDWA check here

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, B5, B6, C, D or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, B5, B6, or D you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR 268.40.
__ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards specified in 40 CFR 268.40 without impermissible dilution of the prohibited waste. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.42 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.6 RESTRICTED DEBRIS TREATED TO ALTERNATE PERFORMANCE STANDARDS
"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.45 without impermissible dilution of the prohibited wastes. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.
__ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law I have personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS
This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature _____ Title _____ Date _____

SOLVENT

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS [2]

F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard [1]		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	Treatment Standard [1]	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters

1
All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

2
For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of constituents or less than 10 x the standards listed.

SUBCATEGORY REFERENCE

D001:

A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory.
B. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) - Greater than or equal to 10% total organic carbon.

Generator's Hazardous Waste Profile Sheet

Service Agreement on file? ☐ Yes ☐ No Profile Number NY298286

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

☑ Check here if a Certificate of Destruction or Disposal is required

Requested Disposal Facility Model City (Hazardous Waste Facility)

☐ Renewal for Profile Number _____ Waste Approval Expiration Date _____

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

1. Generator Name: RD Specialties
2. Site Address: 560 Salt Road
3. City/ZIP: Webster, 14580
4. State: NY
5. County: Monroe
6. Contact Name/Title: Doug Krasucki
7. Email Address: doug@rdspecialties.com
8. Phone: 585-265-0220
9. FAX: 585-265-1132
10. NAICS Code: _____
11. Generator USEPA ID #: _____
12. State ID# (if applicable): _____

B. Customer Information ☐ same as above

P. O. Number: _____

1. Customer Name: OP-TECH Environmental
2. Billing Address: 1 Adler Drive
3. City, State and ZIP: Syracuse, Ny, 13206
4. Contact Name: Travis Rawson
5. Contact Email: rawsont@op-tech.us
6. Phone: 607-565-8891 FAX: 607-565-8893
7. Transporter Name: _____
8. Transporter ID # (if appl.): _____
9. Transporter Address: _____
10. City, State and ZIP: _____

C. Waste Stream Information

☑ USEPA Hazardous ☐ State Hazardous ☐ TSCA

1. Description
   a. Name of Waste: chromium impacted soil
   b. Process Generating Waste: spill from chromium plating line
   c. Color: brown
   d. Strong Odor (describe): no
   e. Physical State at 70°F: ☑ Solid ☐ Liquid ☐ Gas ☐ Sludge ☐ Other: _____
   f. Layers? ☑ Single layer ☐ Multi- layer
   g. Free Liquid Range (%) 0 to 0 Specific Gravity: N/A Viscosity: N/A BTU/lb: _____
   h. pH Range: N/A to N/A
   i. Liquid Flash Point: ☐ < 73°F ☐ 73°-99°F ☐ 100°-139°F ☐ 140°-199°F ☐ > 200°F ☑ N/A
2. Is this a USEPA hazardous waste (40 CFR Part 261)? If the answer is no, skip to question f ☑ Yes ☐ No
   a. If yes, identify ALL USEPA listed and characteristic waste code numbers (D,F,K,P,U)
   F006
   b. If a characteristic hazardous waste, do underlying hazardous constituents(UHCs) apply-(40 CFR 268.48)? ☐ Yes ☑ No (if yes, list in Section C.2.j)
   c. Is the waste subject to RCRA Subpart CC Controls-(40 CFR 264.1083 & 265.1084)? ☐ Yes ☑ No ☐ ? Click for Add'l Info
      If no, does the waste meet the organic LDR Exemption? ☐ Yes ☑ No
      If no, does the waste contain <500 ppm volatile organic (VOC's)? ☑ Yes ☐ No
      Volatile organic concentration _____ ppm
   d. Is the waste predominately debris subject to the Alternate Debris Standards (40 CFR 268.45)? ☐ Yes ☑ No
   e. Is the waste predominately soil subject to the Alternate Soil Treatment Standards-(40 CFR 268.49)? ☐ Yes ☑ No
      If yes, will Underlying Hazardous Constituents apply? (list in C.2.j) ☐ Yes ☐ No
   f. Does the waste represented by this profile contain asbestos? ☐ Yes ☑ No
      If yes, ☐ Friable ☐ Non-Friable
   g. Does the waste represented by this profile contain benzene? ☐ Yes ☑ No
      Is this subject to Benzene Operations Waste NESHAP (40 CFR Part 61 Subpart FF)? ☐ Yes ☐ No
      If yes, complete Beneze Waste Operations NESHAP (BWON) questionaire

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WASTE MANAGEMENT

Generator's Hazardous Waste Profile Sheet

Profile Number NY298286

C. Waste Stream Information (continued)

h. 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

If yes, does the waste contain <500 ppm VOHAPs at the point of determination? ☐ Yes ☐ No

i. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761? (if yes, list in Chemical Composition - C.2.j) ☐ Yes ☑ No

Were the PCBs imported into the U.S.? ☐ Yes ☐ No

Are PCBs regulated under the "Self-Implementing Remediation Section of (Mega) Rule?" 40CFR 761,61(a) ☐ Yes ☐ No

j. Chemical Composition (List all constituents [including halogenated organics, debris, and UHC's] present in any concentration and submit representative analysis): ☐ (See Attached - for entering additional constituents)

Constituents *(Total Composition Must be > 100%)*	Lower Range	Unit of Measure	Upper Range	Unit of Measure
1. soil	99	%	100	
2. barium	0	ppm	0.35	
3. cadmium	0	ppm	0.0023	
4. chromium	0	ppm	0.14	
5. lead	0	ppm	0.0095	
6.				

k. Check any that apply: ☐ Pyrophoric ☐ Water Reactive ☐ OSHA Carcinogen ☐ Shock Sensitive ☐ Oxidizer ☐ Infectious

l. Is the waste subject to controls as a Group 1 wastewater or residual under the Hazardous Organic NESHAP? ☐ Yes ☑ No

If yes, is it a Table 8 ____ or Table 9 ____ compound?

m. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☑ No

Is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☐ No

If NORM, identify isotopes and concentration, ____ pCi/g

n. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up? ☐ Yes ☑ No

If yes, attach Record of Decision (ROD), 104/106 or 122 order or court order that governs site clean-up for activity.

For state mandated clean-up, provide relevant documentation.

o. Is this a State Hazardous Waste? ☐ Yes ☑ No If yes, please list applicable codes ____

If NY waste codes B001-B007 apply, please complete question C.2.c on page 1.

D. DOT Information and Shipping Volume

1. Quantity of Waste

a. ☑ One Time Event ☐ Base ☐ Repeat Event

b. Estimated Annual Quantity: 120 ☑ Tons ☐ Yards ☐ Drums ☐ Other (specify) ____

c. Shipping Frequency: Units: 6 Per: ☐ Month ☑ Quarter ☐ Year ☐ One Time ☐ Other ____

2. Shipping Information

a. Packaging:

☑ Roll off/End dump: 20 yard ☐ Other: ____

☐ Drum Type/Size: ____ ☐ Vacuum Box

☐ Tanker ☐ Super Sack ☐ Tote Bin ☐ Cubic Yard Boxes

b. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If no, skip c, d and e) ☑ Yes ☐ No

c. Reportable Quantity (lbs.; kgs.): ____ d. Primary/Subsidiary Hazard Class(es)/ID#: 9

e. USDOT Shipping Name: Waste Environmentally Hazardous Substances, Solid PG: III

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

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this wastestream. Any sample submitted is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method. I authorize WMI to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile. All relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste will be disclosed to the contractor. All changes which occur in the character of the waste will be identified by the Generator and be disclosed to the Contractor prior to providing the waste to the Contractor.

Certification Signature: Agent for: Title: Project Manager

Name (Type or Print): Eric J. Backenberg Company Name: RD Specialties Date: 10-1-08

☑ Check if additional information is attached. Indicate the number of attached pages 2

DEC OP TECH

R.D. Specialties - RRDS0001 - Disposal - Level II

Sample ID: ROLLOFF SC-2506
Lab Sample ID: A8124713
Date Collected: 02/05/2008
Time Collected: 12:05

Date Received: 02/06/2008
Project No: NY5A9454.1
Client No: 135066
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TCLP Metals Analysis							
Arsenic - Total	ND		0.010	MG/L	6010	02/16/2008 05:40	AH
Barium - Total	0.35		0.0020	MG/L	6010	02/16/2008 05:40	AH
Cadmium - Total	0.0023		0.0010	MG/L	6010	02/16/2008 05:40	AH
Chromium - Total	0.14		0.0040	MG/L	6010	02/16/2008 05:40	AH
Lead - Total	0.0095		0.0050	MG/L	6010	02/16/2008 05:40	AH
Mercury - Total	ND		0.00020	MG/L	7470	02/15/2008 13:14	MM
Selenium - Total	ND		0.015	MG/L	6010	02/16/2008 05:40	AH
Silver - Total	ND		0.0030	MG/L	6010	02/16/2008 05:40	AH
Wet Chemistry Analysis							
Cyanide - Total	ND		1.4	MG/KG	9012A	02/18/2008 08:57	ERK

Sample ID: ROLLOFF SC-2524
Lab Sample ID: A8124712
Date Collected: 02/05/2008
Time Collected: 12:00

Date Received: 02/06/2008
Project No: NY5A9454.1
Client No: 135066
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TCLP Metals Analysis							
Arsenic - Total	ND		0.010	MG/L	6010	02/16/2008 05:13	AH
Barium - Total	0.37		0.0020	MG/L	6010	02/16/2008 05:13	AH
Cadmium - Total	ND		0.0010	MG/L	6010	02/16/2008 05:13	AH
Chromium - Total	ND		0.0040	MG/L	6010	02/16/2008 05:13	AH
Lead - Total	ND		0.0050	MG/L	6010	02/16/2008 05:13	AH
Mercury - Total	ND		0.00020	MG/L	7470	02/15/2008 13:09	MM
Selenium - Total	ND		0.015	MG/L	6010	02/16/2008 05:13	AH
Silver - Total	ND		0.0030	MG/L	6010	02/16/2008 05:13	AH
Wet Chemistry Analysis							
Cyanide - Total	ND		1.1	MG/KG	9012A	02/18/2008 08:57	ERK

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Op Tech

For Lab Project # 08-1497
Issued May 8, 2008
This report contains a total of 4 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil or solid samples have been reported on a dry weight basis, unless qualified "reported as received".

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PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: OP-Tech
Client Job Site: 560 Salt Rd.
Client Job No.: RRDS0001
Field Location: Frak Tank
Field ID No.: N/A

Lab Project No.: 08-1497
Lab Sample No.: 5280
Sample Type: Liquid
Date Sampled: 04/25/2008
Date Received: 05/01/2008

Laboratory Report for TAL Metals Analysis in Waters

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Aluminum	05/06/2008	SW846 6010	<0.200
Antimony	05/06/2008	SW846 6010	<0.060
Arsenic	05/06/2008	SW846 6010	<0.005
Barium	05/06/2008	SW846 6010	0.051
Beryllium	05/06/2008	SW846 6010	<0.005
Cadmium	05/06/2008	SW846 6010	<0.005
Calcium	05/06/2008	SW846 6010	44.1
Chromium	05/06/2008	SW846 6010	0.343
Cobalt	05/06/2008	SW846 6010	<0.010
Copper	05/06/2008	SW846 6010	<0.010
Iron	05/06/2008	SW846 6010	0.335
Lead	05/06/2008	SW846 6010	<0.005
Magnesium	05/06/2008	SW846 6010	10.5
Manganese	05/06/2008	SW846 6010	0.246
Mercury	05/07/2008	SW846 7470	<0.0002
Nickel	05/06/2008	SW846 6010	<0.040
Potassium	05/06/2008	SW846 6010	2.45 B
Selenium	05/06/2008	SW846 6010	<0.005
Silver	05/06/2008	SW846 6010	<0.010
Sodium	05/06/2008	SW846 6010	146
Thallium	05/06/2008	SW846 6010	<0.006
Vanadium	05/06/2008	SW846 6010	<0.010
Zinc	05/06/2008	SW846 6010	0.028

ELAP ID No.:10958

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: OP-Tech
Client Job Site: 560 Salt Rd.
Client Job No.: RRDS0001
Field Location: N/A
Field ID No.: N/A

Lab Project No.: 08-1497
Lab Sample No.: Method Blank
Sample Type: Water
Date Sampled: N/A
Date Received: N/A

Laboratory Report for TAL Metals Analysis in Waters

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Aluminum	05/06/2008	SW846 6010	<0.200
Antimony	05/06/2008	SW846 6010	<0.060
Arsenic	05/06/2008	SW846 6010	<0.005
Barium	05/06/2008	SW846 6010	<0.020
Beryllium	05/06/2008	SW846 6010	<0.005
Cadmium	05/06/2008	SW846 6010	<0.005
Calcium	05/06/2008	SW846 6010	<0.500
Chromium	05/06/2008	SW846 6010	<0.010
Cobalt	05/06/2008	SW846 6010	<0.010
Copper	05/06/2008	SW846 6010	<0.010
Iron	05/06/2008	SW846 6010	<0.100
Lead	05/06/2008	SW846 6010	<0.005
Magnesium	05/06/2008	SW846 6010	<0.050
Manganese	05/06/2008	SW846 6010	<0.010
Mercury	05/07/2008	SW846 7470	<0.0002
Nickel	05/06/2008	SW846 6010	<0.040
Potassium	05/06/2008	SW846 6010	0.506
Selenium	05/06/2008	SW846 6010	<0.005
Silver	05/06/2008	SW846 6010	<0.010
Sodium	05/06/2008	SW846 6010	<1.00
Thallium	05/06/2008	SW846 6010	<0.006
Vanadium	05/06/2008	SW846 6010	<0.010
Zinc	05/06/2008	SW846 6010	<0.020

ELAP ID No.:10958

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997

CHAIN OF CUSTODY

REPORT TO:
COMPANY: OP-TECH
ADDRESS: 150 ELMGROVE PARK
CITY: ROCHESTER STATE: NY ZIP: 14624
PHONE: 585-278-1151 FAX: 585-278-1150
ATTN: Eric Frankenberg
COMMENTS:

INVOICE TO:
COMPANY: OP-TECH
ADDRESS: 6392 DEERE ROAD
CITY: SYRACUSE STATE: NY ZIP: 13206
PHONE: 315-463-1643 FAX: 315-463-9764
ATTN: DEB KASARDA

LAB PROJECT #: 08-1497
CLIENT PROJECT #:

TURNAROUND TIME: (WORKING DAYS)
1 [ ] 2 [ ] 3 [ ] STD [X] 5 OTHER [ ]

PROJECT NAME/SITE NAME: 560 Salt Rd. RRDS 0001

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TAL Metals									REMARKS	PARADIGM LAB SAMPLE NUMBER
1	4/25	0600	X		Frak tank	Liquid	1	X									Sample is water based, determined by lab solubility testing EAH 5/1	5280
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y [X]	N [ ]
Comments:		
Preservation:	Y [ ]	N [X]
Comments: HNO3 added at lab		
Holding Time:	Y [X]	N [ ]
Comments:		
Temperature:	Y [ ]	N [X]
Comments: 14°C		

Sampled By — Date/Time: 4/25/08 0600
Relinquished By — Date/Time: 5/1/08 1000
Received By: Brad Steel — Date/Time: 5/1/08 1000
Received @ Lab By: Elizabeth A. Honch — Date/Time: 5/1/08 1110

Total Cost:
P.I.F.

RDS
R.D. SPECIALTIES
since 1936

560 Salt Rd. PO Box 206
Webster, NY 14580
Phone 585 265-0220 Fax 585 265-1132

July 17, 2008

To Whom It May Concern:

This letter is to certify that the chrome plating process at R.D. Specialties, Inc. does not and never has included any cyanide.
Our process is cyanide free.

Sincerely,

Douglas Krasucki,
President

R.D. Specialties, Inc.

ANALYTICAL REPORT

Job#: A08-1307

Project#: NY5A9454.1
Site Name: DEC OP TECH
Task: R.D. Specialties - RRDS0001 - Disposal - Level II

Mr. Eric Frankenberg
Op-Tech Environmental
150 Elmgrove Park
Rochester, NY 14624

TestAmerica Laboratories Inc.

Paul K. Morrow
Project Manager

02/21/2008

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Buffalo
Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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
Oklahoma	CWA, RCRA	9421
Pennsylvania*	Registration, NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

*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.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A8124713	ROLLOFF SC-2506	SOIL	02/05/2008	12:05	02/06/2008	10:10
A8124712	ROLLOFF SC-2524	SOIL	02/05/2008	12:00	02/06/2008	10:10

METHODS SUMMARY

Job#: A08-1307

Project#: NY5A9454.1
Site Name: DEC OP TECH

PARAMETER	ANALYTICAL METHOD
Arsenic - Total	SW8463 6010
Barium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Lead - Total	SW8463 6010
Mercury - Total	SW8463 7470
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Cyanide - Total	SW8463 9012A
Toxicity Characteristic Leaching Procedure	SW8463 1311

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-1307

Project#: NY5A9454.1
Site Name: DEC OP TECH

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

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. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-1307
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All volume housed under job A08-1247, samples 12 and 13.

Metals Data

The analyte Barium was detected in the TCLP Extractor Blank (A8B1041901) at a level above the project established reporting limit. However, all samples had levels of Barium greater than ten times that of the TCLP Extractor Blank value, therefore, no corrective action was necessary.

The analyte Lead was detected in the TCLP Extractor Blank (A8B1041901) at a level above the project established reporting limit. Sample ROLLOFF SC-2524 was non-detect for this analyte. Sample ROLLOFF SC-2506 associated with the blank was evaluated and determined to be at least five times less than the TCLP Regulatory Limit. The sample data was therefore accepted and no corrective action was performed.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

DEC OP TECH

R.D. Specialties - RRDS0001 - Disposal - Level II

Sample ID: ROLLOFF SC-2506
Lab Sample ID: A8124713
Date Collected: 02/05/2008
Time Collected: 12:05

Date Received: 02/06/2008
Project No: NY5A9454.1
Client No: 135066
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TCLP Metals Analysis							
Arsenic - Total	ND		0.010	MG/L	6010	02/16/2008 05:40	AH
Barium - Total	0.35		0.0020	MG/L	6010	02/16/2008 05:40	AH
Cadmium - Total	0.0023		0.0010	MG/L	6010	02/16/2008 05:40	AH
Chromium - Total	0.14		0.0040	MG/L	6010	02/16/2008 05:40	AH
Lead - Total	0.0095		0.0050	MG/L	6010	02/16/2008 05:40	AH
Mercury - Total	ND		0.00020	MG/L	7470	02/15/2008 13:14	MM
Selenium - Total	ND		0.015	MG/L	6010	02/16/2008 05:40	AH
Silver - Total	ND		0.0030	MG/L	6010	02/16/2008 05:40	AH
Wet Chemistry Analysis							
Cyanide - Total	ND		1.4	MG/KG	9012A	02/18/2008 08:57	ERK

Sample ID: ROLLOFF SC-2524
Lab Sample ID: A8124712
Date Collected: 02/05/2008
Time Collected: 12:00

Date Received: 02/06/2008
Project No: NY5A9454.1
Client No: 135066
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TCLP Metals Analysis							
Arsenic - Total	ND		0.010	MG/L	6010	02/16/2008 05:13	AH
Barium - Total	0.37		0.0020	MG/L	6010	02/16/2008 05:13	AH
Cadmium - Total	ND		0.0010	MG/L	6010	02/16/2008 05:13	AH
Chromium - Total	ND		0.0040	MG/L	6010	02/16/2008 05:13	AH
Lead - Total	ND		0.0050	MG/L	6010	02/16/2008 05:13	AH
Mercury - Total	ND		0.00020	MG/L	7470	02/15/2008 13:09	MM
Selenium - Total	ND		0.015	MG/L	6010	02/16/2008 05:13	AH
Silver - Total	ND		0.0030	MG/L	6010	02/16/2008 05:13	AH
Wet Chemistry Analysis							
Cyanide - Total	ND		1.1	MG/KG	9012A	02/18/2008 08:57	ERK

Serial or COC #: 1 of 2

SAVERN TRENT STL

STL Buffalo

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228
Ph: 716-691-2600
Fax: 716-691-7991
Website: www.stl-inc.com

STL JOB/LOG #:

Possible Hazards:

Sample Disposal:

PROJECT & CLIENT INFORMATION

PROJECT REFERENCE/NAME	PROJECT NO.	Project State
RD Specialties	RRDS0001	NY
STL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT/Quote NO
	RRDS0001-04	
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
Eric Frankenberg	(585)278-1151	(585) 278-1150
CLIENT NAME	CLIENT EMAIL	
OP-Tech Environmental	FrankenbergE@OP-Tech.US	
CLIENT ADDRESS		
150 Elmgrove Park Rochester, NY 14624		
Samplers Signature & Initials:		

PAGE 1 OF 2

Final Report Type (Circle at least one): I II III IV Custom per QAP
EDD
TAT/ DATE DUE Per QAP/Quote
EXPEDITED REPORT (circle one)
FAX EMAIL POST Other
TAT/ DATE DUE
or Per QAP/Project

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLED ON DATE	SAMPLED ON TIME	SAMPLE IDENTIFICATION	LABORATORY SAMPLE ID	SAMPLE TYPE	FIELD FILTERED	MATRIX	REQUIRED ANALYSES: TAL METALS ASP Category B	NUMBER OF CONTAINERS SUBMITTED	REMARKS
2-4-08	1641	Southend ditch 0'		C		S	X	X	
2-4-08	1646	Ditch 20'		C		S	X	X	
2-4-08	1654	Ditch 40'		C		S	X	X	
2-4-08	1707	Ditch 60'		C		S	X	X	
2-4-08	1720	Ditch 80'		C		S	X	X	
2-4-08	1727	Ditch 100'		C		S	X	X	
2-5-08	1000	Ditch 120'		C		S	X	X	
2-5-08	1010	Ditch 140'		C		S	X	X	
2-5-08	1025	Ditch 160'		C		S	X	X	
2-5-08	1030	Ditch 180'		C		S	X	X	
2-5-08	1100	Ditch 200'		C		S	X	X	
2-5-08	1200	Rolloff SC-2524 Disposal		C		S	X		

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Lincoln Parker	2-6-08	10:45a						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	02-06-08	10:45						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES / NO	CUSTODY SEAL NO.	LABORATORY REMARKS:
					2.0°

Original - Return to Laboratory with Sample(s)

10/11

2 of 2

SEVERN TRENT STL

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

STL Buffalo

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228
Ph: 716-691-2600
Fax: 716-691-7991
Website: www.stl-inc.com

Serial or COC #:
STL JOB/LOG #:
Possible Hazards:
Sample Disposal:

PAGE ___ OF ___

PROJECT & CLIENT INFORMATION

PROJECT REFERENCE/NAME: RDSpecialties	PROJECT NO: RRDS0001	Project State: NY
STL (LAB) PROJECT MANAGER:	P.O. NUMBER: RRDS0001-04	CONTRACT/Quote NO.
CLIENT (SITE) PM: Eric Frankenberg	CLIENT PHONE: (585) 278-1151	CLIENT FAX: (585) 278-1150
CLIENT NAME: OP-Tech Environmental	CLIENT EMAIL: Frankenberge@OP-Tech.us	
CLIENT ADDRESS: 150 Elmgrove Park Rochester, NY 14624		

Samplers Signature & Initials: [signature] (initials)

REQUIRED ANALYSES: TAL METALS

SAMPLED ON DATE	SAMPLED ON TIME	SAMPLE IDENTIFICATION	LABORATORY SAMPLE ID	SAMPLE TYPE	FIELD FILTERED	MATRIX	TAL METALS (NUMBER OF CONTAINERS SUBMITTED)	REMARKS
2-5-08	1205	Rolloff SC-2506 Disposal		C		S	X	

Final Report Type (Circle at least one): I II III IV Custom per QAP
EDD ___
TAT/ DATE DUE ___ Per QAP/Quote
EXPEDITED REPORT (circle one) FAX EMAIL POST Other
TAT/ DATE DUE ___ or Per QAP/Project
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

	DATE	TIME		DATE	TIME		DATE	TIME
RELINQUISHED BY: (SIGNATURE) Linda [signature]	2-6-08	10:45a	RELINQUISHED BY: (SIGNATURE)			RELINQUISHED BY: (SIGNATURE)		
RECEIVED BY: (SIGNATURE) [signature]	02-06-08	10:45	RECEIVED BY: (SIGNATURE)			RECEIVED BY: (SIGNATURE)		

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES NO	CUSTODY SEAL NO.	LABORATORY REMARKS:
					2c°4

Original - Return to Laboratory with Sample(s)

FO036.12.20.00.2

Attachment 2

Groundwater Sampling Reports

FIELD DATA SHEET

Life Science Laboratories
5854 Butternut Drive
East Syracuse, N.Y. 13507
(315) 445-1105

Client Name: R.D. Specialties

Site Name: 560 Salt Rd.

Samplers: E- Birdsall

Well Casing Volume		
1 1/4"=0.077	1 1/2"=0.10	2"=0.16
2 1/2"=0.24	3"=0.37	3.5"=0.50
4"=0.65		6"=1.46

Date	3-17-08				→		
Well I.D.	RD-2	RD-5	RD-9	North Sump	South Sump		
Diameter (inches)	2"	2"	2"				
TSD (feet)	7.57	3.78	7.87				
SWL (feet)	0.65	1.24	5.41				
H2O Column (feet)	2.24	7.74	4.46				
Conversion	.16	.16	.16				
Well Volume (gal)	1.1	1.2	0.7				
Amt. to Evacuate(gal)	3.4	3.7	2.1				
Amt. Evacuated (gal)	3	4	DRY 1.5				

FIELD READINGS

Date	3-17-08				→		
Time	1240	1310	1315	1250	1255		
DTP							
DTW							
Product Thickness							
D.O. (mg/L)							
Appearance	C.	C.	C	C.	C.		
Comments							

TSD = Total Sounded Depth
SWL = Static Water Level

DTP = Depth to Product
DTW = Depth to Water

C = Clear
ST = Semi Turbid

T = Turbid
VT = Very Turbib

FIELD DATA SHEET

Life Science Laboratories
5854 Butternut Drive
East Syracuse, N.Y. 13507
(315) 445-1105

Client Name: R.D. Specialties

Site Name: 560 Salt Rd.

Samplers: E- Birdsall
B- Donaldson

Well Casing Volume		
1 1/4"=0.077	1 1/2"=0.10	2"=0.16
2 1/2"=0.24	3"=0.37	3.5"=0.50
4"=0.65		6"=1.46

Date	12-15-06	→			→		
Well I.D.	RD-2	RD-5	RD-9	North Sump	South Sump		
Diameter (inches)	2"	2"	2"				
TSD (feet)	7.89	8.95	9.87		/		
SWL (feet)	1.46	1.60	5.82	/	/		
H2O Column (feet)	6.43	7.35	4.05	/	/		
Conversion	.16	.16	.16		/		
Well Volume (gal)	1.0	1.1	0.6				
Amt. to Evacuate(gal)	3.0	3.5	1.9	/			
Amt. Evacuated (gal)	3	4	2				

FIELD READINGS

Date	12-15-06	→			→		
Time	1115	1133	1130	1119	1120		
DTP							
DTW							
Product Thickness							
D.O. (mg/L)							
Appearance	C	ST	C	yellow	yellow		
Comments				C	C		

TSD = Total Sounded Depth
SWL = Static Water Level

DTP = Depth to Product
DTW = Depth to Water

C = Clear
ST = Semi Turbid

T = Turbid
VT = Very Turbib

FIELD DATA SHEET

Life Science Laboratories
5854 Butternut Drive
East Syracuse, N.Y. 13507
(315) 445-1105

Client Name: **R.D. Specialties**

Site Name: **560 Salt Rd.**

Samplers: Eric Birdslow

Well Casing Volume		
1 1/4"=0.077	1 1/2"=0.10	2"=0.16
2 1/2"=0.24	3"=0.37	3.5"=0.50
4"=0.65		6"=1.46

Date	12.3.07	→	→	→	→		
Well I.D.	RD-2	RD-5	RD-9	North Sump	South Sump		
Diameter (inches)	2"	2"	2"				
TSD (feet)	7.89	8.98	9.87				
SWL (feet)	1.13	2.11	5.30				
H2O Column (feet)	6.76	6.87	4.57				
Conversion	.16	.16	.16				
Well Volume (gal)	1.0	1.0	0.7				
Amt. to Evacuate(gal)	3.2	3.2	2.1				
Amt. Evacuated (gal)	3	3	2				

FIELD READINGS

Date	12.3.07	→	→	→	→		
Time	1255	1240	1230	1300	1305		
DTP							
DTW							
Product Thickness							
D.O. (mg/L)							
Appearance	ST	ST	ST	C	C		
Comments							

TSD = Total Sounded Depth
SWL = Static Water Level
DTP = Depth to Product
DTW = Depth to Water

C = Clear
ST = Semi Turbid
T = Turbid
VT = Very Turbib

FIELD DATA SHEET

Life Science Laboratories
5854 Butternut Drive
East Syracuse, N.Y. 13507
(315) 445-1105

Client Name: **R.D. Specialties**

Site Name: **560 Salt Rd.**

Samplers: E - Birdslow
B - Donaldson

Well Casing Volume		
1 1/4"=0.077	1 1/2"=0.10	2"=0.16
2 1/2"=0.24	3"=0.37	3.5"=0.50
4"=0.65		6"=1.46

Date	6-25-07	→			→		
Well I.D.	RD-2	RD-5	RD-9	North Sump	South Sump		
Diameter (Inches)	2"	2"	2"				
TSD (feet)	7.89	8.98	9.87				
SWL (feet)	6.02	5.56	8.19				
H2O Column (feet)	1.87	3.42	1.68				
Conversion	.16	.16	.16				
Well Volume (gal)	0.2	0.5	0.2				
Amt. to Evacuate(gal)	0.8	1.6	0.8				
Amt. Evacuated (gal)	DRY 0.5	1.5	1				

FIELD READINGS

Date	6-25-07	→			→		
Time	1030	1050	1048				
DTP							
DTW							
Product Thickness				DRY	DRY		
D.O. (mg/L)							
Appearance	ST	ST	C				
Comments							

TSD = Total Sounded Depth
SWL = Static Water Level

DTP = Depth to Product
DTW = Depth to Water

C = Clear
ST = Semi Turbid

T = Turbid
VT = Very Turbib

FIELD DATA SHEET

Life Science Laboratories
5854 Butternut Drive
East Syracuse, N.Y. 13507
(315) 445-1105

Client Name: **R.D. Specialties**

Site Name: **560 Salt Rd.**

Samplers: E. Binnslow
TB- Donaldson

Well Casing Volume			
1 1/4"=0.077	1 1/2"=0.10	2"=0.16	
2 1/2"=0.24	3"=0.37	3.5"=0.50	
4"=0.65		6"=1.46	

Date	9-26-07	→	→				
Well I.D.	RD-4	RD-8	RD-10				
Diameter (inches)	2"	2"	2"				
TSD (feet)	12.13	11.96	19.80				
SWL (feet)	10.58	9.63	14.13				
H2O Column (feet)	1.55	2.33	5.67				
Conversion	.16	.16	.16				
Well Volume (gal)	0.2	0.3	0.9				
Amt. to Evacuate(gal)	0.7	1.1	2.7				
Amt. Evacuated (gal)	.5	1	3				

FIELD READINGS

Date	9-26-07	→	→				
Time	1055	1145	1100				
DTP							
DTW							
Product Thickness							
D.O. (mg/L)							
Appearance	T	ST	ST				
Comments							

TSD = Total Sounded Depth
SWL = Static Water Level

DTP = Depth to Product
DTW = Depth to Water

C = Clear
ST = Semi Turbid

T = Turbid
VT = Very Turblb

FIELD DATA SHEET

Life Science Laboratories
5854 Butternut Drive
East Syracuse, N.Y. 13507
(315) 445-1105

Client Name: **R.D. Specialties**

Site Name: **560 Salt Rd.**

Samplers: E - Birdslow
B- Donaldson

Well Casing Volume		
1 1/4"=0.077	1 1/2"=0.10	2"=0.16
2 1/2"=0.24	3"=0.37	3.5"=0.50
4"=0.65		6"=1.46

Date	3.19.07						
Well I.D.	RD-2	RD-5	RD-9	North Sump	South Sump		
Diameter (inches)	2"	2"	2"				
TSD (feet)	7.89	8.98	9.87				
SWL (feet)	0.77	1.31	5.56				
H2O Column (feet)	7.12	7.67	4.31				
Conversion	.16	.16	.16				
Well Volume (gal)	1.1	1.2	0.6				
Amt. to Evacuate(gal)	3.4	3.6	2.0				
Amt. Evacuated (gal)	3	4	2				

FIELD READINGS

Date	3.19.07						
Time	1105	1132	1135	1115	1110		
DTP							
DTW							
Product Thickness							
D.O. (mg/L)							
Appearance	C	ST	C				
Comments							

TSD = Total Sounded Depth
SWL = Static Water Level

DTP = Depth to Product
DTW = Depth to Water

C = Clear
ST = Semi Turbid

T = Turbid
VT = Very Turbib

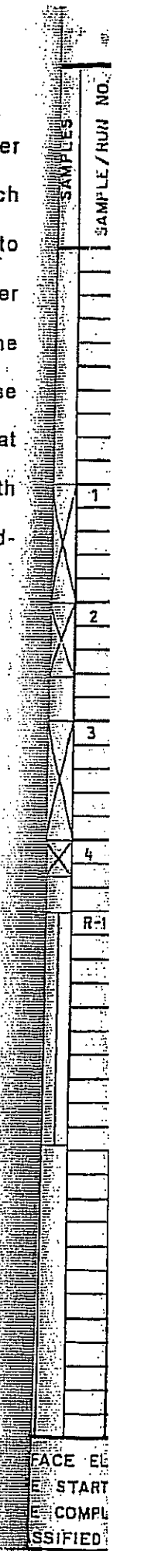
SECTION 3 - SUMMARY OF SITE HYDROGEOLOGY

The bedrock surface slopes to the southwest across the site. Bedrock was encountered at a minimum depth of 1 foot in RD-4 and at a maximum depth of 6½ feet in RD-1. The ground surface is relatively flat across the site area and, therefore, overburden materials are present in a wedge-shape overlying bedrock.

From the ground surface to depths ranging from 0.5 to 3 feet, overburden sediments consist of brown silt and fine sand. Sediments present below these surface deposits consist primarily of brown fine to medium-grained sand with minor amounts of silt and gravel. Bedrock, which was encountered in all of the monitoring well borings, is a distinctive reddish-brown fine-grained sandstone with green mottling and layering. A high degree of bioturbation disguises bedding features. Horizontal fracturing is present at frequent intervals, as shown on the boring logs in Appendix 1, and siltation is present along fracture planes indicating the presence of ground-water flow.

The upper part of the bedrock surface and the overlying unconsolidated sediments appear to act as a single hydrologic unit. The monitoring wells at the site are screened within the overburden and/or bedrock and yield comparable water level elevation data. Water level contours for March 21, 1989 and July 12, 1989 are shown on Figures 3 and 4. Flow is to the north, with a hydraulic gradient of .01 foot/foot. As discussed in Section 2.5, in-situ permeability tests were completed in select site wells. The computed hydraulic conductivity of bedrock ranges from 1.3×10^{-4} cm/sec to 4.9×10^{-4} cm/sec. Assuming an effective porosity of 0.2, flow velocities were found to vary from 7 ft/yr. to 25 ft/yr.

The level of the water table drops dramatically during the summer months, as shown by a comparison of the water levels measured in March with those measured in July. This indicates that ground water discharges to low-lying areas during seasons with a high water table. Surface water features then disappear during seasonal periods with a low water table. The physical appearance of the study area also changes dramatically in response to the water level fluctuations. The intermittent stream and large areas that had contained standing water in March were dry in July. Although the depth to water changes dramatically with the seasons, the configuration of ground-water flow paths remains the same.



Attachment 3

Lab Analytical Reports on Soil Samples

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job#: A08-1247

Project#: NY5A9454.1
Site Name: DEC OP TECH
Task: R.D. Specialties - RRDS0001 - Level IV

Mr. Eric Frankenberg
Op-Tech Environmental
150 Elmgrove Park
Rochester, NY 14624

TestAmerica Laboratories Inc.

Paul K. Morrow
Project Manager

02/18/2008

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A8124706	DITCH 100'	SOIL	02/04/2008	17:27	02/06/2008	10:10
A8124707	DITCH 120'	SOIL	02/05/2008	10:00	02/06/2008	10:10
A8124708	DITCH 140'	SOIL	02/05/2008	10:10	02/06/2008	10:10
A8124709	DITCH 160'	SOIL	02/05/2008	10:25	02/06/2008	10:10
A8124710	DITCH 180'	SOIL	02/05/2008	10:30	02/06/2008	10:10
A8124702	DITCH 20'	SOIL	02/04/2008	16:46	02/06/2008	10:10
A8124711	DITCH 200'	SOIL	02/05/2008	11:00	02/06/2008	10:10
A8124703	DITCH 40'	SOIL	02/04/2008	16:54	02/06/2008	10:10
A8124704	DITCH 60'	SOIL	02/04/2008	17:07	02/06/2008	10:10
A8124705	DITCH 80'	SOIL	02/04/2008	17:20	02/06/2008	10:10
A8124701	SOUTH END DITCH 0'	SOIL	02/04/2008	16:41	02/06/2008	10:10

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

METHODS SUMMARY

Job#: A08-1247

Project#: NY5A9454.1
Site Name: DEC OP TECH

PARAMETER	ANALYTICAL METHOD
Aluminum - Total	SW8463 6010
Antimony - Total	SW8463 6010
Arsenic - Total	SW8463 6010
Barium - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Calcium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Cobalt - Total	SW8463 6010
Copper - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Mercury - Total	SW8463 7471
Nickel - Total	SW8463 6010
Potassium - Total	SW8463 6010
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6010
Vanadium - Total	SW8463 6010
Zinc - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

The results presented in this report relate only to the analytical testing and conditions of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

TESTAMERICA LABORATORIES INC.

OP- TECH Environmental

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: OP- TECH Environmental **SDG No.:** A08-1247 **Method Type:**

Sample ID: A8124706 **Client ID:** DITCH 100'

Matrix: SOIL **Date Received:** 2/6/2008 **Date Collected:** 2/4/2008 **Level:** LOW

% Solids: 60 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A8B10170 **Prep Date:** 2/11/2008

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**3270**	**mg/Kg**		N	**16.0**	16.0	1	**2/11/2008**	**16:39**	SUPERTRACE2	A021108	P
Antimony	<	24.0	mg/Kg	U	N	24.0	24.0	1	2/11/2008	16:39	SUPERTRACE2	A021108	P
Arsenic	<	3.2	mg/Kg	U		3.2	3.2	1	2/11/2008	16:39	SUPERTRACE2	A021108	P
Barium		**40.8**	**mg/Kg**			**0.80**	0.80	1	**2/11/2008**	**16:39**	SUPERTRACE2	A021108	P
Beryllium	<	0.32	mg/Kg	U		0.32	0.32	1	2/11/2008	16:39	SUPERTRACE2	A021108	P
Cadmium	<	0.32	mg/Kg	U		0.32	0.32	1	2/11/2008	16:39	SUPERTRACE2	A021108	P
Calcium		**5160**	**mg/Kg**		N	79.9	79.9	1	**2/11/2008**	**16:39**	SUPERTRACE2	A021108	P
Chromium		**23.1**	**mg/Kg**			**0.80**	0.80	1	**2/11/2008**	**16:39**	SUPERTRACE2	A021108	P
Cobalt		**3.0**	**mg/Kg**			**0.80**	0.80	**1**	**2/11/2008**	**16:39**	SUPERTRACE2	A021108	P
Copper		**3.8**	**mg/Kg**			**1.6**	1.6	**1**	**2/11/2008**	**16:39**	SUPERTRACE2	A021108	P
Iron		**6840**	**mg/Kg**		N	**16.0**	16.0	**1**	**2/11/2008**	**16:39**	SUPERTRACE2	A021108	P
Lead		**3.0**	**mg/Kg**			**1.6**	1.6	**1**	**2/11/2008**	**16:39**	SUPERTRACE2	A021108	P
Magnesium		**2320**	**mg/Kg**			**32.0**	32.0	**1**	**2/11/2008**	**16:39**	SUPERTRACE2	A021108	P
Manganese		**313**	**mg/Kg**		N*	**0.32**	0.32	**1**	**2/11/2008**	**16:39**	SUPERTRACE2	A021108	P
Nickel		**6.2**	**mg/Kg**			**0.80**	0.80	**1**	**2/11/2008**	**16:39**	SUPERTRACE2	A021108	P
Potassium		**704**	**mg/Kg**			**47.9**	47.9	**1**	**2/11/2008**	**16:39**	SUPERTRACE2	A021108	P
Selenium	<	6.4	mg/Kg	U		6.4	6.4	1	2/11/2008	16:39	SUPERTRACE2	A021108	P
Mercury	<	0.026	mg/Kg	U		0.026	0.026	1	2/12/2008	16:48:10	LEEMAN PS2	H02128S1	CV
Silver	<	0.80	mg/Kg	U		0.80	0.80	1	2/11/2008	16:39	SUPERTRACE2	A021108	P
Sodium		**646**	**mg/Kg**			**224**	224	**1**	**2/11/2008**	**16:39**	SUPERTRACE2	A021108	P
Thallium	<	9.6	mg/Kg	U		9.6	9.6	1	2/11/2008	16:39	SUPERTRACE2	A021108	P
Vanadium		**8.6**	**mg/Kg**			**0.80**	0.80	**1**	**2/11/2008**	**16:39**	SUPERTRACE2	A021108	P
Zinc		**17.9**	**mg/Kg**		N*	**3.2**	3.2	**1**	**2/11/2008**	**16:39**	SUPERTRACE2	A021108	P

Comments:

TESTAMERICA LABORATORIES INC.

OP- TECH Environmental

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: OP- TECH Environmental **SDG No.:** A08-1247 **Method Type:**

Sample ID: A8124707 **Client ID:** DITCH 120'

Matrix: SOIL **Date Received:** 2/6/2008 **Date Collected:** 2/5/2008 **Level:** LOW

% Solids: 45 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A8B10170 **Prep Date:** 2/11/2008

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**6600**	**mg/Kg**		**N**	**24.6**	24.6	**1**	**2/11/2008**	**16:44**	SUPERTRACE2	A021108	P
Antimony	<	36.9	mg/Kg	U	N	36.9	36.9	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Arsenic	<	4.9	mg/Kg	U		4.9	4.9	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Barium		**50.1**	**mg/Kg**			**1.2**	1.2	**1**	**2/11/2008**	**16:44**	SUPERTRACE2	A021108	P
Beryllium	<	0.49	mg/Kg	U		0.49	0.49	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Cadmium	<	0.49	mg/Kg	U		0.49	0.49	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Calcium		4760	mg/Kg		N	123	123	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Chromium		107	mg/Kg			1.2	1.2	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Cobalt		3.4	mg/Kg			1.2	1.2	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Copper		9.1	mg/Kg			2.5	2.5	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Iron		12400	mg/Kg		N	24.6	24.6	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Lead		19.3	mg/Kg			2.5	2.5	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Magnesium		2190	mg/Kg			49.2	49.2	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Manganese		348	mg/Kg		N*	0.49	0.49	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Nickel		6.6	mg/Kg			1.2	1.2	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Potassium		517	mg/Kg			73.8	73.8	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Selenium	<	9.8	mg/Kg	U		9.8	9.8	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Mercury		0.100	mg/Kg			0.039	0.039	1	2/12/2008	16:49:26	LEEMAN PS2	H02128S1	CV
Silver	<	1.2	mg/Kg	U		1.2	1.2	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Sodium	<	344	mg/Kg	U		344	344	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Thallium	<	14.8	mg/Kg	U		14.8	14.8	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Vanadium		19.6	mg/Kg			1.2	1.2	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Zinc		52.5	mg/Kg		N*	4.9	4.9	1	2/11/2008	16:44	SUPERTRACE2	A021108	P

Comments:

TESTAMERICA LABORATORIES INC.

OP- TECH Environmental

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: OP- TECH Environmental **SDG No.:** A08-1247 **Method Type:**

Sample ID: A8124708 **Client ID:** DITCH 140'

Matrix: SOIL **Date Received:** 2/6/2008 **Date Collected:** 2/5/2008 **Level:** LOW

% Solids: 72 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A8B10170 **Prep Date:** 2/11/2008

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**5390**	**mg/Kg**		**N**	**14.1**	14.1	**1**	**2/11/2008**	**16:49**	SUPERTRACE2	A021108	P
Antimony	<	21.1	mg/Kg	U	N	21.1	21.1	1	2/11/2008	16:49	SUPERTRACE2	A021108	P
Arsenic	<	2.8	mg/Kg	U		2.8	2.8	1	2/11/2008	16:49	SUPERTRACE2	A021108	P
Barium		**43.0**	**mg/Kg**			**0.70**	0.70	**1**	**2/11/2008**	**16:49**	SUPERTRACE2	A021108	P
Beryllium	<	0.28	mg/Kg	U		0.28	0.28	1	2/11/2008	16:49	SUPERTRACE2	A021108	P
Cadmium	<	0.28	mg/Kg	U		0.28	0.28	1	2/11/2008	16:49	SUPERTRACE2	A021108	P
Calcium		2310	mg/Kg		N	70.5	70.5	1	2/11/2008	16:49	SUPERTRACE2	A021108	P
Chromium		**11.7**	**mg/Kg**			**0.70**	0.70	**1**	**2/11/2008**	**16:49**	SUPERTRACE2	A021108	P
Cobalt		**2.3**	**mg/Kg**			**0.70**	0.70	**1**	**2/11/2008**	**16:49**	SUPERTRACE2	A021108	P
Copper		**4.7**	**mg/Kg**			**1.4**	1.4	**1**	**2/11/2008**	**16:49**	SUPERTRACE2	A021108	P
Iron		**8500**	**mg/Kg**		**N**	**14.1**	14.1	**1**	**2/11/2008**	**16:49**	SUPERTRACE2	A021108	P
Lead		**10.0**	**mg/Kg**			**1.4**	1.4	**1**	**2/11/2008**	**16:49**	SUPERTRACE2	A021108	P
Magnesium		**982**	**mg/Kg**			**28.2**	28.2	**1**	**2/11/2008**	**16:49**	SUPERTRACE2	A021108	P
Manganese		**106**	**mg/Kg**		**N***	**0.28**	0.28	**1**	**2/11/2008**	**16:49**	SUPERTRACE2	A021108	P
Nickel		**4.6**	**mg/Kg**			**0.70**	0.70	**1**	**2/11/2008**	**16:49**	SUPERTRACE2	A021108	P
Potassium		**323**	**mg/Kg**			**42.3**	42.3	**1**	**2/11/2008**	**16:49**	SUPERTRACE2	A021108	P
Selenium	<	5.6	mg/Kg	U		5.6	5.6	1	2/11/2008	16:49	SUPERTRACE2	A021108	P
Mercury		**0.051**	**mg/Kg**			**0.024**	0.024	**1**	**2/12/2008**	**16:50:53**	LEEMAN PS2	H02128S1	CV
Silver	<	0.70	mg/Kg	U		0.70	0.70	1	2/11/2008	16:49	SUPERTRACE2	A021108	P
Sodium	<	197	mg/Kg	U		197	197	1	2/11/2008	16:49	SUPERTRACE2	A021108	P
Thallium	<	8.5	mg/Kg	U		8.5	8.5	1	2/11/2008	16:49	SUPERTRACE2	A021108	P
Vanadium		**16.1**	**mg/Kg**			**0.70**	0.70	**1**	**2/11/2008**	**16:49**	SUPERTRACE2	A021108	P
Zinc		**26.7**	**mg/Kg**		**N***	**2.8**	2.8	**1**	**2/11/2008**	**16:49**	SUPERTRACE2	A021108	P

Comments:

TESTAMERICA LABORATORIES INC.

OP- TECH Environmental

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: OP- TECH Environmental **SDG No.:** A08-1247 **Method Type:**

Sample ID: A8124709 **Client ID:** DITCH 160'

Matrix: SOIL **Date Received:** 2/6/2008 **Date Collected:** 2/5/2008 **Level:** LOW

% Solids: 44 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A8B10170 **Prep Date:** 2/11/2008

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**5880**	**mg/Kg**		N	**23.0**	23.0	**1**	**2/11/2008**	**16:55**	SUPERTRACE2	A021108	P
Antimony	<	34.5	mg/Kg	U	N	34.5	34.5	1	2/11/2008	16:55	SUPERTRACE2	A021108	P
Arsenic	<	4.6	mg/Kg	U		4.6	4.6	1	2/11/2008	16:55	SUPERTRACE2	A021108	P
Barium		**54.8**	**mg/Kg**			1.2	1.2	**1**	**2/11/2008**	**16:55**	SUPERTRACE2	A021108	P
Beryllium	<	0.46	mg/Kg	U		0.46	0.46	1	2/11/2008	16:55	SUPERTRACE2	A021108	P
Cadmium	<	0.46	mg/Kg	U		0.46	0.46	1	2/11/2008	16:55	SUPERTRACE2	A021108	P
Calcium		**122000**	**mg/Kg**		N	115	115	**1**	**2/11/2008**	**16:55**	SUPERTRACE2	A021108	P
Chromium		**92.8**	**mg/Kg**			1.2	1.2	**1**	**2/11/2008**	**16:55**	SUPERTRACE2	A021108	P
Cobalt		**2.9**	**mg/Kg**			1.2	1.2	**1**	**2/11/2008**	**16:55**	SUPERTRACE2	A021108	P
Copper		**9.1**	**mg/Kg**			2.3	2.3	**1**	**2/11/2008**	**16:55**	SUPERTRACE2	A021108	P
Iron		**10600**	**mg/Kg**		N	23.0	23.0	**1**	**2/11/2008**	**16:55**	SUPERTRACE2	A021108	P
Lead		**20.6**	**mg/Kg**			2.3	2.3	**1**	**2/11/2008**	**16:55**	SUPERTRACE2	A021108	P
Magnesium		**76900**	**mg/Kg**			46.0	46.0	**1**	**2/11/2008**	**16:55**	SUPERTRACE2	A021108	P
Manganese		**854**	**mg/Kg**		N*	0.46	0.46	**1**	**2/11/2008**	**16:55**	SUPERTRACE2	A021108	P
Nickel		**4.8**	**mg/Kg**			1.2	1.2	**1**	**2/11/2008**	**16:55**	SUPERTRACE2	A021108	P
Potassium		**644**	**mg/Kg**			69.1	69.1	**1**	**2/11/2008**	**16:55**	SUPERTRACE2	A021108	P
Selenium	<	9.2	mg/Kg	U		9.2	9.2	1	2/11/2008	16:55	SUPERTRACE2	A021108	P
Mercury		**0.124**	**mg/Kg**			0.035	0.035	**1**	**2/12/2008**	**16:52:08**	LEEMAN PS2	H02128S1	CV
Silver	<	1.2	mg/Kg	U		1.2	1.2	1	2/11/2008	16:55	SUPERTRACE2	A021108	P
Sodium	<	322	mg/Kg	U		322	322	1	2/11/2008	16:55	SUPERTRACE2	A021108	P
Thallium	<	13.8	mg/Kg	U		13.8	13.8	1	2/11/2008	16:55	SUPERTRACE2	A021108	P
Vanadium		**16.7**	**mg/Kg**			1.2	1.2	**1**	**2/11/2008**	**16:55**	SUPERTRACE2	A021108	P
Zinc		**37.2**	**mg/Kg**		N*	4.6	4.6	**1**	**2/11/2008**	**16:55**	SUPERTRACE2	A021108	P

Comments:

TESTAMERICA LABORATORIES INC.

OP- TECH Environmental

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: OP- TECH Environmental SDG No.: A08-1247 Method Type:

Sample ID: A8124710 Client ID: DITCH 180'

Matrix: SOIL Date Received: 2/6/2008 Date Collected: 2/5/2008 Level: LOW

% Solids: 41 Sample Wt/Vol: 0.5 Final Vol: 50.0

Prep Batch ID: A8B10170 Prep Date: 2/11/2008

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		7100	mg/Kg		N	25.8	25.8	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Antimony	<	38.7	mg/Kg	U	N	38.7	38.7	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Arsenic	<	5.2	mg/Kg	U		5.2	5.2	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Barium		62.0	mg/Kg			1.3	1.3	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Beryllium	<	0.52	mg/Kg	U		0.52	0.52	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Cadmium	<	0.52	mg/Kg	U		0.52	0.52	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Calcium		7530	mg/Kg		N	129	129	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Chromium		196	mg/Kg			1.3	1.3	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Cobalt		3.9	mg/Kg			1.3	1.3	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Copper		9.0	mg/Kg			2.6	2.6	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Iron		13900	mg/Kg		N	25.8	25.8	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Lead		17.0	mg/Kg			2.6	2.6	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Magnesium		3630	mg/Kg			51.7	51.7	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Manganese		584	mg/Kg		N*	0.52	0.52	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Nickel		7.1	mg/Kg			1.3	1.3	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Potassium		643	mg/Kg			77.5	77.5	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Selenium	<	10.3	mg/Kg	U		10.3	10.3	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Mercury		0.131	mg/Kg			0.039	0.039	1	2/12/2008	16:53:56	LEEMAN PS2	H02128S1	CV
Silver	<	1.3	mg/Kg	U		1.3	1.3	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Sodium		617	mg/Kg			362	362	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Thallium	<	15.5	mg/Kg	U		15.5	15.5	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Vanadium		20.8	mg/Kg			1.3	1.3	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Zinc		57.3	mg/Kg		N*	5.2	5.2	1	2/11/2008	17:00	SUPERTRACE2	A021108	P

Comments:

TESTAMERICA LABORATORIES INC.

OP- TECH Environmental

- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: OP- TECH Environmental **SDG No.:** A08-1247 **Method Type:**

Sample ID: A8124702 **Client ID:** DITCH 20'

Matrix: SOIL **Date Received:** 2/6/2008 **Date Collected:** 2/4/2008 **Level:** LOW

% Solids: 69 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A8B10170 **Prep Date:** 2/11/2008

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**3960**	**mg/Kg**		**N**	**13.8**	13.8	**1**	**2/11/2008**	**16:17**	SUPERTRACE2	A021108	P
Antimony	<	20.7	mg/Kg	U	N	20.7	20.7	1	2/11/2008	16:17	SUPERTRACE2	A021108	P
Arsenic	<	2.8	mg/Kg	U		2.8	2.8	1	2/11/2008	16:17	SUPERTRACE2	A021108	P
Barium		**34.6**	**mg/Kg**			**0.69**	0.69	**1**	**2/11/2008**	**16:17**	SUPERTRACE2	A021108	P
Beryllium	<	0.28	mg/Kg	U		0.28	0.28	1	2/11/2008	16:17	SUPERTRACE2	A021108	P
Cadmium	<	0.28	mg/Kg	U		0.28	0.28	1	2/11/2008	16:17	SUPERTRACE2	A021108	P
Calcium		**13600**	**mg/Kg**		N	68.8	68.8	1	2/11/2008	16:17	SUPERTRACE2	A021108	P
Chromium		**27.7**	**mg/Kg**			**0.69**	0.69	**1**	**2/11/2008**	**16:17**	SUPERTRACE2	A021108	P
Cobalt		**3.0**	**mg/Kg**			**0.69**	0.69	**1**	**2/11/2008**	**16:17**	SUPERTRACE2	A021108	P
Copper		**5.8**	**mg/Kg**			**1.4**	1.4	**1**	**2/11/2008**	**16:17**	SUPERTRACE2	A021108	P
Iron		**7380**	**mg/Kg**		N	**13.8**	13.8	**1**	**2/11/2008**	**16:17**	SUPERTRACE2	A021108	P
Lead		**6.2**	**mg/Kg**			**1.4**	1.4	**1**	**2/11/2008**	**16:17**	SUPERTRACE2	A021108	P
Magnesium		**4030**	**mg/Kg**			**27.5**	27.5	**1**	**2/11/2008**	**16:17**	SUPERTRACE2	A021108	P
Manganese		**178**	**mg/Kg**		N*	**0.28**	0.28	**1**	**2/11/2008**	**16:17**	SUPERTRACE2	A021108	P
Nickel		**5.8**	**mg/Kg**			**0.69**	0.69	**1**	**2/11/2008**	**16:17**	SUPERTRACE2	A021108	P
Potassium		**565**	**mg/Kg**			**41.3**	41.3	**1**	**2/11/2008**	**16:17**	SUPERTRACE2	A021108	P
Selenium	<	5.5	mg/Kg	U		5.5	5.5	1	2/11/2008	16:17	SUPERTRACE2	A021108	P
Mercury		**0.024**	**mg/Kg**			**0.023**	0.023	**1**	**2/12/2008**	**16:38:45**	LEEMAN PS2	H02128S1	CV
Silver	<	0.69	mg/Kg	U		0.69	0.69	1	2/11/2008	16:17	SUPERTRACE2	A021108	P
Sodium		**477**	**mg/Kg**			**193**	193	**1**	**2/11/2008**	**16:17**	SUPERTRACE2	A021108	P
Thallium	<	8.3	mg/Kg	U		8.3	8.3	1	2/11/2008	16:17	SUPERTRACE2	A021108	P
Vanadium		**10.2**	**mg/Kg**			**0.69**	0.69	**1**	**2/11/2008**	**16:17**	SUPERTRACE2	A021108	P
Zinc		**25.9**	**mg/Kg**		N*	**2.8**	2.8	**1**	**2/11/2008**	**16:17**	SUPERTRACE2	A021108	P

Comments:

TESTAMERICA LABORATORIES INC.

OP- TECH Environmental

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: OP- TECH Environmental **SDG No.:** A08-1247 **Method Type:**

Sample ID: A8124711 **Client ID:** DITCH 200'

Matrix: SOIL **Date Received:** 2/6/2008 **Date Collected:** 2/5/2008 **Level:** LOW

% Solids: 70 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A8B10170 **Prep Date:** 2/11/2008

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**5650**	**mg/Kg**		**N**	**14.8**	14.8	**1**	**2/11/2008**	**17:05**	SUPERTRACE2	A021108	P
Antimony	<	22.1	mg/Kg	U	N	22.1	22.1	1	2/11/2008	17:05	SUPERTRACE2	A021108	P
Arsenic		**3.8**	**mg/Kg**			3.0	3.0	1	**2/11/2008**	**17:05**	SUPERTRACE2	A021108	P
Barium		**42.0**	**mg/Kg**			0.74	0.74	1	**2/11/2008**	**17:05**	SUPERTRACE2	A021108	P
Beryllium	<	0.30	mg/Kg	U		0.30	0.30	1	2/11/2008	17:05	SUPERTRACE2	A021108	P
Cadmium	<	0.30	mg/Kg	U		0.30	0.30	1	2/11/2008	17:05	SUPERTRACE2	A021108	P
Calcium		**4840**	**mg/Kg**		N	73.8	73.8	1	**2/11/2008**	**17:05**	SUPERTRACE2	A021108	P
Chromium		**45.2**	**mg/Kg**			0.74	0.74	1	**2/11/2008**	**17:05**	SUPERTRACE2	A021108	P
Cobalt		**3.7**	**mg/Kg**			0.74	0.74	1	**2/11/2008**	**17:05**	SUPERTRACE2	A021108	P
Copper		**11.6**	**mg/Kg**			1.5	1.5	1	**2/11/2008**	**17:05**	SUPERTRACE2	A021108	P
Iron		**12400**	**mg/Kg**		N	14.8	14.8	1	**2/11/2008**	**17:05**	SUPERTRACE2	A021108	P
Lead		**15.3**	**mg/Kg**			1.5	1.5	1	**2/11/2008**	**17:05**	SUPERTRACE2	A021108	P
Magnesium		**2680**	**mg/Kg**			29.5	29.5	1	**2/11/2008**	**17:05**	SUPERTRACE2	A021108	P
Manganese		**158**	**mg/Kg**		N*	0.30	0.30	1	**2/11/2008**	**17:05**	SUPERTRACE2	A021108	P
Nickel		**7.0**	**mg/Kg**			0.74	0.74	1	**2/11/2008**	**17:05**	SUPERTRACE2	A021108	P
Potassium		**468**	**mg/Kg**			44.3	44.3	1	**2/11/2008**	**17:05**	SUPERTRACE2	A021108	P
Selenium	<	5.9	mg/Kg	U		5.9	5.9	1	2/11/2008	17:05	SUPERTRACE2	A021108	P
Mercury		**0.048**	**mg/Kg**			0.024	0.024	1	**2/12/2008**	**16:55:15**	LEEMAN PS2	H02128S1	CV
Silver	<	0.74	mg/Kg	U		0.74	0.74	1	2/11/2008	17:05	SUPERTRACE2	A021108	P
Sodium		**355**	**mg/Kg**			207	207	1	**2/11/2008**	**17:05**	SUPERTRACE2	A021108	P
Thallium	<	8.9	mg/Kg	U		8.9	8.9	1	2/11/2008	17:05	SUPERTRACE2	A021108	P
Vanadium		**18.4**	**mg/Kg**			0.74	0.74	1	**2/11/2008**	**17:05**	SUPERTRACE2	A021108	P
Zinc		**48.2**	**mg/Kg**		N*	3.0	3.0	1	**2/11/2008**	**17:05**	SUPERTRACE2	A021108	P

Comments:

TESTAMERICA LABORATORIES INC.

OP- TECH Environmental

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: OP- TECH Environmental **SDG No.:** A08-1247 **Method Type:**

Sample ID: A8124703 **Client ID:** DITCH 40'

Matrix: SOIL **Date Received:** 2/6/2008 **Date Collected:** 2/4/2008 **Level:** LOW

% Solids: 63 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A8B10170 **Prep Date:** 2/11/2008

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**4960**	**mg/Kg**		**N**	**17.0**	17.0	**1**	**2/11/2008**	**16:22**	SUPERTRACE2	A021108	P
Antimony	<	25.6	mg/Kg	U	N	25.6	25.6	1	2/11/2008	16:22	SUPERTRACE2	A021108	P
Arsenic	<	3.4	mg/Kg	U		3.4	3.4	1	2/11/2008	16:22	SUPERTRACE2	A021108	P
Barium		**43.6**	**mg/Kg**			0.85	0.85	**1**	**2/11/2008**	**16:22**	SUPERTRACE2	A021108	P
Beryllium	<	0.34	mg/Kg	U		0.34	0.34	1	2/11/2008	16:22	SUPERTRACE2	A021108	P
Cadmium	<	0.34	mg/Kg	U		0.34	0.34	1	2/11/2008	16:22	SUPERTRACE2	A021108	P
Calcium		**15700**	**mg/Kg**		N	85.2	85.2	1	**2/11/2008**	**16:22**	SUPERTRACE2	A021108	P
Chromium		**64.2**	**mg/Kg**			0.85	0.85	**1**	**2/11/2008**	**16:22**	SUPERTRACE2	A021108	P
Cobalt		**3.8**	**mg/Kg**			0.85	0.85	**1**	**2/11/2008**	**16:22**	SUPERTRACE2	A021108	P
Copper		**7.7**	**mg/Kg**			1.7	1.7	**1**	**2/11/2008**	**16:22**	SUPERTRACE2	A021108	P
Iron		**9800**	**mg/Kg**		N	17.0	17.0	**1**	**2/11/2008**	**16:22**	SUPERTRACE2	A021108	P
Lead		**8.5**	**mg/Kg**			1.7	1.7	**1**	**2/11/2008**	**16:22**	SUPERTRACE2	A021108	P
Magnesium		**5160**	**mg/Kg**			34.1	34.1	**1**	**2/11/2008**	**16:22**	SUPERTRACE2	A021108	P
Manganese		**250**	**mg/Kg**		N*	0.34	0.34	**1**	**2/11/2008**	**16:22**	SUPERTRACE2	A021108	P
Nickel		**7.3**	**mg/Kg**			0.85	0.85	**1**	**2/11/2008**	**16:22**	SUPERTRACE2	A021108	P
Potassium		**589**	**mg/Kg**			51.1	51.1	**1**	**2/11/2008**	**16:22**	SUPERTRACE2	A021108	P
Selenium	<	6.8	mg/Kg	U		6.8	6.8	1	2/11/2008	16:22	SUPERTRACE2	A021108	P
Mercury	<	0.026	mg/Kg	U		0.026	0.026	1	2/12/2008	16:43:28	LEEMAN PS2	H02128S1	CV
Silver	<	0.85	mg/Kg	U		0.85	0.85	1	2/11/2008	16:22	SUPERTRACE2	A021108	P
Sodium		**569**	**mg/Kg**			239	239	**1**	**2/11/2008**	**16:22**	SUPERTRACE2	A021108	P
Thallium	<	10.2	mg/Kg	U		10.2	10.2	1	2/11/2008	16:22	SUPERTRACE2	A021108	P
Vanadium		**13.5**	**mg/Kg**			0.85	0.85	**1**	**2/11/2008**	**16:22**	SUPERTRACE2	A021108	P
Zinc		**36.7**	**mg/Kg**		N*	3.4	3.4	**1**	**2/11/2008**	**16:22**	SUPERTRACE2	A021108	P

Comments:

TESTAMERICA LABORATORIES INC.

OP- TECH Environmental

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: OP- TECH Environmental **SDG No.:** A08-1247 **Method Type:**

Sample ID: A8124704 **Client ID:** DITCH 60'

Matrix: SOIL **Date Received:** 2/6/2008 **Date Collected:** 2/4/2008 **Level:** LOW

% Solids: 60 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A8B10170 **Prep Date:** 2/11/2008

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**3410**	**mg/Kg**		**N**	**16.7**	16.7	**1**	**2/11/2008**	**16:28**	SUPERTRACE2	A021108	P
Antimony	<	25.1	mg/Kg	U	N	25.1	25.1	1	2/11/2008	16:28	SUPERTRACE2	A021108	P
Arsenic	<	3.3	mg/Kg	U		3.3	3.3	1	2/11/2008	16:28	SUPERTRACE2	A021108	P
Barium		**43.4**	**mg/Kg**			**0.84**	0.84	**1**	**2/11/2008**	**16:28**	SUPERTRACE2	A021108	P
Beryllium	<	0.33	mg/Kg	U		0.33	0.33	1	2/11/2008	16:28	SUPERTRACE2	A021108	P
Cadmium	<	0.33	mg/Kg	U		0.33	0.33	1	2/11/2008	16:28	SUPERTRACE2	A021108	P
Calcium		**12500**	**mg/Kg**		N	83.6	83.6	**1**	**2/11/2008**	**16:28**	SUPERTRACE2	A021108	P
Chromium		**18.1**	**mg/Kg**			**0.84**	0.84	**1**	**2/11/2008**	**16:28**	SUPERTRACE2	A021108	P
Cobalt		**2.6**	**mg/Kg**			**0.84**	0.84	**1**	**2/11/2008**	**16:28**	SUPERTRACE2	A021108	P
Copper		**6.1**	**mg/Kg**			**1.7**	1.7	**1**	**2/11/2008**	**16:28**	SUPERTRACE2	A021108	P
Iron		**7130**	**mg/Kg**		**N**	**16.7**	16.7	**1**	**2/11/2008**	**16:28**	SUPERTRACE2	A021108	P
Lead		**5.7**	**mg/Kg**			**1.7**	1.7	**1**	**2/11/2008**	**16:28**	SUPERTRACE2	A021108	P
Magnesium		**4670**	**mg/Kg**			**33.4**	33.4	**1**	**2/11/2008**	**16:28**	SUPERTRACE2	A021108	P
Manganese		**183**	**mg/Kg**		**N***	**0.33**	0.33	**1**	**2/11/2008**	**16:28**	SUPERTRACE2	A021108	P
Nickel		**5.3**	**mg/Kg**			**0.84**	0.84	**1**	**2/11/2008**	**16:28**	SUPERTRACE2	A021108	P
Potassium		**536**	**mg/Kg**			**50.2**	50.2	**1**	**2/11/2008**	**16:28**	SUPERTRACE2	A021108	P
Selenium	<	6.7	mg/Kg	U		6.7	6.7	1	2/11/2008	16:28	SUPERTRACE2	A021108	P
Mercury	<	0.028	mg/Kg	U		0.028	0.028	1	2/12/2008	16:44:49	LEEMAN PS2	H02128S1	CV
Silver	<	0.84	mg/Kg	U		0.84	0.84	1	2/11/2008	16:28	SUPERTRACE2	A021108	P
Sodium		**701**	**mg/Kg**			**234**	234	**1**	**2/11/2008**	**16:28**	SUPERTRACE2	A021108	P
Thallium	<	10.0	mg/Kg	U		10.0	10.0	1	2/11/2008	16:28	SUPERTRACE2	A021108	P
Vanadium		**9.9**	**mg/Kg**			**0.84**	0.84	**1**	**2/11/2008**	**16:28**	SUPERTRACE2	A021108	P
Zinc		**26.1**	**mg/Kg**		**N***	**3.3**	3.3	**1**	**2/11/2008**	**16:28**	SUPERTRACE2	A021108	P

Comments:

TESTAMERICA LABORATORIES INC.

OP- TECH Environmental

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: OP- TECH Environmental **SDG No.:** A08-1247 **Method Type:**

Sample ID: A8124705 **Client ID:** DITCH 80'

Matrix: SOIL **Date Received:** 2/6/2008 **Date Collected:** 2/4/2008 **Level:** LOW

% Solids: 66 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A8B10170 **Prep Date:** 2/11/2008

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		4590	mg/Kg		N	15.7	15.7	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Antimony	<	23.5	mg/Kg	U	N	23.5	23.5	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Arsenic		6.3	mg/Kg			3.1	3.1	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Barium		52.9	mg/Kg			0.78	0.78	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Beryllium		0.57	mg/Kg			0.31	0.31	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Cadmium	<	0.31	mg/Kg	U		0.31	0.31	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Calcium		9400	mg/Kg		N	78.5	78.5	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Chromium		21.7	mg/Kg			0.78	0.78	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Cobalt		3.6	mg/Kg			0.78	0.78	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Copper		6.3	mg/Kg			1.6	1.6	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Iron		31100	mg/Kg		N	15.7	15.7	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Lead		11.1	mg/Kg			1.6	1.6	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Magnesium		3520	mg/Kg			31.4	31.4	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Manganese		219	mg/Kg		N*	0.31	0.31	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Nickel		6.6	mg/Kg			0.78	0.78	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Potassium		478	mg/Kg			47.1	47.1	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Selenium	<	6.3	mg/Kg	U		6.3	6.3	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Mercury	<	0.024	mg/Kg	U		0.024	0.024	1	2/12/2008	16:46:35	LEEMAN PS2	H02128S1	CV
Silver	<	0.78	mg/Kg	U		0.78	0.78	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Sodium		419	mg/Kg			220	220	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Thallium	<	9.4	mg/Kg	U		9.4	9.4	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Vanadium		35.0	mg/Kg			0.78	0.78	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Zinc		38.3	mg/Kg		N*	3.1	3.1	1	2/11/2008	16:33	SUPERTRACE2	A021108	P

Comments:

TESTAMERICA LABORATORIES INC.

OP- TECH Environmental

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: OP- TECH Environmental **SDG No.:** A08-1247 **Method Type:**

Sample ID: A8124701 **Client ID:** SOUTH END DITCH 0'

Matrix: SOIL **Date Received:** 2/6/2008 **Date Collected:** 2/4/2008 **Level:** LOW

% Solids: 71 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A8B10170 **Prep Date:** 2/11/2008

Analyte		Concentration	Units	C	Qual	RL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Aluminum		**4770**	**mg/Kg**		**N**	**15.2**	15.2	**1**	**2/11/2008**	**15:36**	SUPERTRACE2	A021108	P
Antimony	<	22.7	mg/Kg	U	N	22.7	22.7	1	2/11/2008	15:36	SUPERTRACE2	A021108	P
Arsenic	<	3.0	mg/Kg	U		3.0	3.0	1	2/11/2008	15:36	SUPERTRACE2	A021108	P
Barium		**29.3**	**mg/Kg**			0.76	0.76	1	**2/11/2008**	**15:36**	SUPERTRACE2	A021108	P
Beryllium	<	0.30	mg/Kg	U		0.30	0.30	1	2/11/2008	15:36	SUPERTRACE2	A021108	P
Cadmium	<	0.30	mg/Kg	U		0.30	0.30	1	2/11/2008	15:36	SUPERTRACE2	A021108	P
Calcium		**2600**	**mg/Kg**		N	75.8	75.8	1	**2/11/2008**	**15:36**	SUPERTRACE2	A021108	P
Chromium		**33.4**	**mg/Kg**			0.76	0.76	1	**2/11/2008**	**15:36**	SUPERTRACE2	A021108	P
Cobalt		**3.1**	**mg/Kg**			0.76	0.76	1	**2/11/2008**	**15:36**	SUPERTRACE2	A021108	P
Copper		**6.3**	**mg/Kg**			1.5	1.5	1	**2/11/2008**	**15:36**	SUPERTRACE2	A021108	P
Iron		**7630**	**mg/Kg**		**N**	15.2	15.2	1	**2/11/2008**	**15:36**	SUPERTRACE2	A021108	P
Lead		**8.4**	**mg/Kg**			1.5	1.5	1	**2/11/2008**	**15:36**	SUPERTRACE2	A021108	P
Magnesium		**1700**	**mg/Kg**			30.3	30.3	1	**2/11/2008**	**15:36**	SUPERTRACE2	A021108	P
Manganese		**154**	**mg/Kg**		**N***	0.30	0.30	1	**2/11/2008**	**15:36**	SUPERTRACE2	A021108	P
Nickel		**5.8**	**mg/Kg**			0.76	0.76	1	**2/11/2008**	**15:36**	SUPERTRACE2	A021108	P
Potassium		**561**	**mg/Kg**			45.5	45.5	1	**2/11/2008**	**15:36**	SUPERTRACE2	A021108	P
Selenium	<	6.1	mg/Kg	U		6.1	6.1	1	2/11/2008	15:36	SUPERTRACE2	A021108	P
Mercury		**0.026**	**mg/Kg**			0.024	0.024	1	**2/12/2008**	**16:32:42**	LEEMAN PS2	H02128S1	CV
Silver	<	0.76	mg/Kg	U		0.76	0.76	1	2/11/2008	15:36	SUPERTRACE2	A021108	P
Sodium		**243**	**mg/Kg**			212	212	1	**2/11/2008**	**15:36**	SUPERTRACE2	A021108	P
Thallium	<	9.1	mg/Kg	U		9.1	9.1	1	2/11/2008	15:36	SUPERTRACE2	A021108	P
Vanadium		**11.1**	**mg/Kg**			0.76	0.76	1	**2/11/2008**	**15:36**	SUPERTRACE2	A021108	P
Zinc		**29.3**	**mg/Kg**		**N***	3.0	3.0	1	**2/11/2008**	**15:36**	SUPERTRACE2	A021108	P

Comments:

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A8124706	DITCH 100'	SOIL	02/04/2008	17:27	02/06/2008	10:10
A8124707	DITCH 120'	SOIL	02/05/2008	10:00	02/06/2008	10:10
A8124708	DITCH 140'	SOIL	02/05/2008	10:10	02/06/2008	10:10
A8124709	DITCH 160'	SOIL	02/05/2008	10:25	02/06/2008	10:10
A8124710	DITCH 180'	SOIL	02/05/2008	10:30	02/06/2008	10:10
A8124702	DITCH 20'	SOIL	02/04/2008	16:46	02/06/2008	10:10
A8124711	DITCH 200'	SOIL	02/05/2008	11:00	02/06/2008	10:10
A8124703	DITCH 40'	SOIL	02/04/2008	16:54	02/06/2008	10:10
A8124704	DITCH 60'	SOIL	02/04/2008	17:07	02/06/2008	10:10
A8124705	DITCH 80'	SOIL	02/04/2008	17:20	02/06/2008	10:10
A8124701	SOUTH END DITCH 0'	SOIL	02/04/2008	16:41	02/06/2008	10:10

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

METHODS SUMMARY

Job#: A08-1247

Project#: NY5A9454.1
Site Name: DEC OP TECH

PARAMETER	ANALYTICAL METHOD
Aluminum - Total	SW8463 6010
Antimony - Total	SW8463 6010
Arsenic - Total	SW8463 6010
Barium - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Calcium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Cobalt - Total	SW8463 6010
Copper - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Mercury - Total	SW8463 7471
Nickel - Total	SW8463 6010
Potassium - Total	SW8463 6010
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6010
Vanadium - Total	SW8463 6010
Zinc - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

The results presented in this report relate only to the analytical testing and conditions of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SEVERN TRENT STL

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

STL Buffalo

Serial or COC #:

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228
Ph: 716-691-2600
Fax: 716-691-7991
Website: www.stl-inc.com

STL JOB/LOG #:

Possible Hazards:

Sample Disposal:

PAGE OF

PROJECT & CLIENT INFORMATION		Project State
PROJECT REFERENCE/NAME: RD Specialties	PROJECT NO: RRDS0001	NY
STL (LAB) PROJECT MANAGER	P.O. NUMBER: RRDS0001-04	CONTRACT/Quote NO
CLIENT (SITE) PM: Eric Frankenberg	CLIENT PHONE: (585)278-1151	CLIENT FAX: (585) 278-1150
CLIENT NAME: OP-Tech Environmental	CLIENT EMAIL: Frankenberge@op-tech.us	
CLIENT ADDRESS: 150 Elmgrove Park Rochester, NY 14624		
Samplers Signature & Initials:	PO#	

SAMPLED ON DATE	SAMPLED ON TIME	SAMPLE IDENTIFICATION	LABORATORY SAMPLE ID	SAMPLE TYPE	FIELD FILTERED	MATRIX	REQUIRED ANALYSES: TAL METALS ASP Category B	NUMBER OF CONTAINERS SUBMITTED	REMARKS
2-4-08	1641	Southend ditch 0'		C		S	X	X	
2-4-08	1646	Ditch 20'		C		S	X	X	
2-4-08	1654	Ditch 40'		C		S	X	X	
2-4-08	1707	Ditch 60'		C		S	X	X	
2-4-08	1720	Ditch 80'		C		S	X	X	
2-4-08	1727	Ditch 100'		C		S	X	X	
2-5-08	1000	Ditch 120'		C		S	X	X	
2-5-08	1010	Ditch 140'		C		S	X	X	
2-5-08	1025	Ditch 160'		C		S	X	X	
2-5-08	1030	Ditch 180'		C		S	X	X	
2-5-08	1100	Ditch 200'		C		S	X	X	
2-5-08	1200	Rolloff SC-2524 Disposal		C		S	X		

Final Report Type (Circle at least one): I II III IV Custom per QAP
EDD
TAT/ DATE DUE Per QAP/Quote
EXPEDITED REPORT (circle one) FAX EMAIL POST Other
TAT/ DATE DUE or Per QAP/Project

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Linda Fuller	2-6-08	10:45a						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	02-06-08	10:45						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES / NO	CUSTODY SEAL NO.	LABORATORY REMARKS:
					2.0°

Original - Return to Laboratory with Sample(s)

40/299

SEVERN TRENT STL

STL Buffalo

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Serial or COC #:

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228
Ph: 716-691-2600
Fax: 716-691-7991
Website: www.stl-inc.com

STL JOB/LOG #:

Possible Hazards:

Sample Disposal:

PROJECT & CLIENT INFORMATION

PROJECT REFERENCE/NAME	PROJECT NO	Project State
RDSpecialties	RRDS0001	NY
STL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT/Quote NO
	RRDS0001-04	
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
Eric Frankenberg	(585) 278-1151	(585) 278-1150
CLIENT NAME	CLIENT EMAIL	
OP-Tech Environmental	Frankenberge@OP-Tech.us	
CLIENT ADDRESS		
150 Elmgrove Park Rochester, NY 14624		
Samplers Signature & Initials:		

SAMPLED ON DATE	SAMPLED ON TIME	SAMPLE IDENTIFICATION	LABORATORY SAMPLE ID	SAMPLE TYPE	FIELD FILTERED	MATRIX	REQUIRED ANALYSES: TAL METALS	NUMBER OF CONTAINERS SUBMITTED	REMARKS
2-5-08	1205	Rolloff SC-2586 Disposal		C		S	X		

Sample Information

PAGE 1 OF 1

Final Report Type (Circle at least one): I II III IV Custom per QAP

EDD

TAT/ DATE DUE Per QAP/Quote

EXPEDITED REPORT (circle one)
FAX EMAIL POST Other
TAT/ DATE DUE
or Per QAP/Project

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Lucia Park	2-6-08	10:45a						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	02-06-08	10:45						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES / NO	CUSTODY SEAL NO.	LABORATORY REMARKS:
			NO		2.0°

Original - Return to Laboratory with Sample(s)

41/299

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job#: A08-6185

Project#: NY5A9454.1
Site Name: DEC OP TECH
Task: R+D Specialties RRDS0001

Mr. Eric Frankenberg
Op-Tech Environmental
150 Elmgrove Park
Rochester, NY 14624

TestAmerica Laboratories Inc.

Paul K. Morrow
Project Manager

06/18/2008

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A8618504	CREEK N.OF SCHLEGAL	SOIL	05/30/2008	09:45	05/30/2008	16:25
A8618501	DITCH 120'	SOIL	05/30/2008	09:30	05/30/2008	16:25
A8618502	DITCH 125'	SOIL	05/30/2008	09:33	05/30/2008	16:25
A8618503	DITCH 130'	SOIL	05/30/2008	09:36	05/30/2008	16:25

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

METHODS SUMMARY

Job#: A08-6185

Project#: NY5A9454.1
Site Name: DEC OP TECH

PARAMETER	ANALYTICAL METHOD
Chromium - Total	ASP00 6010
Hexavalent Chromium - Total	ASP00 7196A

References:

ASP00 "Analytical Services Protocol", New York State Department of Environmental Conservation, June 2000.

The results presented in this report relate only to the analytical testing and conditions of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYTICAL SUMMARY
INORGANIC ANALYSIS

LAB NAME: TESTAMERICA LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
CREEK N.OF SCHLEGAL	SOIL	T CR	05/30/2008	06/04	06/05
DITCH 120'	SOIL	T CR	05/30/2008	06/04	06/05
DITCH 125'	SOIL	T CR	05/30/2008	06/04	06/05
DITCH 130'	SOIL	T CR	05/30/2008	06/04	06/05

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

TESTAMERICA LABORATORIES INC.

OP- TECH Environmental

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: OP- TECH Environmental **SDG No.:** A08-6185 **Method Type:**

Sample ID: A8618501 **Client ID:** DITCH 120'

Matrix: SOIL **Date Received:** 5/30/2008 **Date Collected:** 5/30/2008 **Level:** LOW

% Solids: 80 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A8B16397 **Prep Date:** 6/4/2008

Analyte	Concentration	Units	C	Qual	MDL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Chromium	139	mg/Kg			0.12	0.66	1	6/5/2008	00:41	SUPERTRACE2	106040W	P

Comments:

TESTAMERICA LABORATORIES INC.

OP- TECH Environmental

- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: OP- TECH Environmental **SDG No.:** A08-6185 **Method Type:**

Sample ID: A8618504 **Client ID:** CREEK N.OF SCHLEGAL

Matrix: SOIL **Date Received:** 5/30/2008 **Date Collected:** 5/30/2008 **Level:** LOW

% Solids: 88 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A8B16397 **Prep Date:** 6/4/2008

Analyte	Concentration	Units	C	Qual	MDL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Chromium	36.2	mg/Kg			0.11	0.63	1	6/5/2008	00:57	SUPERTRACE2	106040W	P

Comments:

TESTAMERICA LABORATORIES INC.

OP- TECH Environmental

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: OP- TECH Environmental **SDG No.:** A08-6185 **Method Type:**

Sample ID: A8618503 **Client ID:** DITCH 130'

Matrix: SOIL **Date Received:** 5/30/2008 **Date Collected:** 5/30/2008 **Level:** LOW

% Solids: 80 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A8B16397 **Prep Date:** 6/4/2008

Analyte	Concentration	Units	C	Qual	MDL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Chromium	140	mg/Kg			0.12	0.65	1	6/5/2008	00:52	SUPERTRACE2	106040W	P

Comments:

TESTAMERICA LABORATORIES INC.

OP- TECH Environmental

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: OP- TECH Environmental **SDG No.:** A08-6185 **Method Type:**

Sample ID: A8618502 **Client ID:** DITCH 125'

Matrix: SOIL **Date Received:** 5/30/2008 **Date Collected:** 5/30/2008 **Level:** LOW

% Solids: 59 **Sample Wt/Vol:** 0.4 **Final Vol:** 50.0

Prep Batch ID: A8B16397 **Prep Date:** 6/4/2008

Analyte	Concentration	Units	C	Qual	MDL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Chromium	414	mg/Kg			0.17	0.95	1	6/5/2008	00:46	SUPERTRACE2	106040W	P

Comments:

Wet Chemistry Analysis

Client Sample No.

DITCH 125'

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): SOIL Lab Sample ID: A8618502

% Solids: 58.6 Date Samp/Recv: 05/30/2008 05/30/2008

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Hexavalent Chromium - Total	UG/G	4.2			A	7196A	06/10/2008

Comments:

Wet Chemistry Analysis

Client Sample No.: DITCH 120'

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): SOIL Lab Sample ID: A8618501

% Solids: 79.7 Date Samp/Recv: 05/30/2008 05/30/2008

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Hexavalent Chromium - Total	UG/G	1.9	U		A	7196A	06/10/2008

Comments:

Wet Chemistry Analysis

Client Sample No.: DITCH 130'

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): SOIL Lab Sample ID: A8618503

% Solids: 79.8 Date Samp/Recv: 05/30/2008 05/30/2008

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Hexavalent Chromium - Total	UG/G	1.9	U		A	7196A	06/10/2008

Comments:

Wet Chemistry Analysis

Client Sample No.

Method Blank

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): SOIL Lab Sample ID: A8B1694902

% Solids: 100.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Hexavalent Chromium - Total	UG/G	1.5	U		A	7196A	06/10/2008

Comments:

Serial or COC #:

SEVERN TRENT STL

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

STL Buffalo

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228
Ph: 716-691-2600
Fax: 716-691-7991
Website: www.stl-inc.com

STL JOB/LOG #:

Possible Hazards:

Sample Disposal:

PROJECT & CLIENT INFORMATION		Project State
PROJECT REFERENCE/NAME: RD Specialties	PROJECT NO.: RRDS0001	NY
STL (LAB) PROJECT MANAGER:	P.O. NUMBER: RRDS0001-5	CONTRACT/Quote NO:
CLIENT (SITE) PM: ERIC FRANKENBERG	CLIENT PHONE: 585-278-1151	CLIENT FAX: 585-278-1152
CLIENT NAME: Op-Tech Environmental	CLIENT EMAIL: FRANKenberg@op-tech.us	
CLIENT ADDRESS: 150 Elmgrove Park Rochester NY 14624		
Samplers Signature & Initials: Eric Frankenberg EP		

SAMPLED ON DATE	SAMPLED ON TIME	SAMPLE IDENTIFICATION	LABORATORY SAMPLE ID	Sample Information: SAMPLE TYPE	FIELD FILTERED	MATRIX	REQUIRED ANALYSES: TAL Chromium Hexavalent Chromium 6/1/08	NUMBER OF CONTAINERS SUBMITTED	REMARKS
5/30/08	9:30 AM	Ditch 120'		G		S	X	X	
5/30/08	9:33 AM	Ditch 125'		G		S	X	XX	
5/30/08	9:36 AM	Ditch 130'		G		S	X	X	
5/30/08	9:45 AM	Creek N. of Schlegel Rd		G		S	X		

PAGE: | OF:

Final Report Type (Circle at least one): I II III IV Custom per QAP
EDD:
TAT/ DATE DUE: Per QAP/Quote
EXPEDITED REPORT (circle one) FAX EMAIL POST Other
TAT/ DATE DUE:
or Per QAP/Project

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	5-30	1625						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	05-30-08	16:25						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES / NO	CUSTODY SEAL NO.	LABORATORY REMARKS:
			NO		2.0°

Original - Return to Laboratory with Sample(s)

34/295

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job#: A08-9500

Project#: NY5A9454.1
Site Name: DEC OP TECH
Task: R+D Specialties RRDS0001

Mr. Eric Frankenberg
Op-Tech Environmental
150 Elmgrove Park
Rochester, NY 14624

TestAmerica Laboratories Inc.

Paul K. Morrow
Project Manager

08/25/2008

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Buffalo
Current Certifications

As of 5/27/2008

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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
Oklahoma	CWA, RCRA	9421
Pennsylvania*	Registration, NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas	NELAP CWA, RCRA	
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	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.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A8950001	210' DITCH	SOIL	08/04/2008	07:15	08/06/2008	11:35
A8950002	215' DITCH	SOIL	08/04/2008	07:20	08/06/2008	11:35
A8950003	220' DITCH	SOIL	08/04/2008	07:25	08/06/2008	11:35
A8950005	4' NW OF OUTFALL	SOIL	08/04/2008	07:48	08/06/2008	11:35
A8950006	5' NE OF OUTFALL	SOIL	08/04/2008	07:54	08/06/2008	11:35
A8950004	DIRECT OUTFALL	SOIL	08/04/2008	07:40	08/06/2008	11:35

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METHODS SUMMARY

Job#: A08-9500

Project#: NY5A9454.1
Site Name: DEC OP TECH

PARAMETER	ANALYTICAL METHOD
Chromium - Total	ASP00 6010
Hexavalent Chromium - Total	ASP00 7196A

References:

ASP00 "Analytical Services Protocol", New York State Department of Environmental Conservation, June 2000.

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NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYTICAL SUMMARY
INORGANIC ANALYSIS

LAB NAME: TESTAMERICA LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
210' DITCH	SOIL	T CR	08/06/2008	08/08/2008	08/08/2008
215' DITCH	SOIL	T CR	08/06/2008	08/08/2008	08/08/2008
220' DITCH	SOIL	T CR	08/06/2008	08/08/2008	08/08/2008
4' NW OF OUTFALL	SOIL	T CR	08/06/2008	08/08/2008	08/08/2008
5' NE OF OUTFALL	SOIL	T CR	08/06/2008	08/08/2008	08/08/2008
DIRECT OUTFALL	SOIL	T CR	08/06/2008	08/08/2008	08/08/2008

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Arocior target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

TESTAMERICA LABORATORIES INC.

OP-TECH Environmental

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: OP-TECH Environmental **SDG No.:** A08-9500 **Method Type:**

Sample ID: A8950001 **Client ID:** 210' DITCH

Matrix: SOIL **Date Received:** 8/6/2008 **Date Collected:** 8/4/2008 **Level:** LOW

% Solids: 51 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A8B20203 **Prep Date:** 8/8/2008

Analyte	Concentration	Units	C	Qual	MDL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Chromium	234	mg/Kg			0.19	1.1	1	8/8/2008	17:34	SUPERTRACE	108080W	P

Comments:

TESTAMERICA LABORATORIES INC.

OP-TECH Environmental

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: OP-TECH Environmental **SDG No.:** A08-9500 **Method Type:**

Sample ID: A8950002 **Client ID:** 215' DITCH

Matrix: SOIL **Date Received:** 8/6/2008 **Date Collected:** 8/4/2008 **Level:** LOW

% Solids: 74 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A8B20203 **Prep Date:** 8/8/2008

Analyte	Concentration	Units	C	Qual	MDL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Chromium	165	mg/Kg			0.12	0.67	1	8/8/2008	17:39	SUPERTRACE	108080W	P

Comments:

TESTAMERICA LABORATORIES INC.

OP-TECH Environmental

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: OP-TECH Environmental **SDG No.:** A08-9500 **Method Type:**

Sample ID: A8950003 **Client ID:** 220' DITCH

Matrix: SOIL **Date Received:** 8/6/2008 **Date Collected:** 8/4/2008 **Level:** LOW

% Solids: 82 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A8B20203 **Prep Date:** 8/8/2008

Analyte	Concentration	Units	C	Qual	MDL	RL	Dil	Analytical Date	Analytical Time	Instrument	Run	M
Chromium	19.1	mg/Kg			0.11	0.62	1	8/8/2008	17:44	SUPERTRACE	108080W	P

Comments:

TESTAMERICA LABORATORIES INC.

OP-TECH Environmental

- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: OP-TECH Environmental **SDG No.:** A08-9500 **Method Type:**

Sample ID: A8950005 **Client ID:** 4' NW OF OUTFALL

Matrix: SOIL **Date Received:** 8/6/2008 **Date Collected:** 8/4/2008 **Level:** LOW

% Solids: 73 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A8B20203 **Prep Date:** 8/8/2008

Analyte	Concentration	Units	C	Qual	MDL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Chromium	55.9	mg/Kg			0.13	0.72	1	8/8/2008	17:54	SUPERTRACE	108080W	P

Comments:

TESTAMERICA LABORATORIES INC.

OP-TECH Environmental

- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: OP-TECH Environmental **SDG No.:** A08-9500 **Method Type:**

Sample ID: A8950006 **Client ID:** 5' NE OF OUTFALL

Matrix: SOIL **Date Received:** 8/6/2008 **Date Collected:** 8/4/2008 **Level:** LOW

% Solids: 43 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A8B20203 **Prep Date:** 8/8/2008

Analyte	Concentration	Units	C	Qual	MDL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Chromium	42.9	mg/Kg			0.22	1.2	1	8/8/2008	17:59	SUPERTRACE	108080W	P

Comments:

TESTAMERICA LABORATORIES INC.

OP-TECH Environmental

- 1 -
INORGANIC ANALYSIS DATA PACKAGE

Client: OP-TECH Environmental **SDG No.:** A08-9500 **Method Type:**

Sample ID: A8950004 **Client ID:** DIRECT OUTFALL

Matrix: SOIL **Date Received:** 8/6/2008 **Date Collected:** 8/4/2008 **Level:** LOW

% Solids: 79 **Sample Wt/Vol:** 0.5 **Final Vol:** 50.0

Prep Batch ID: A8B20203 **Prep Date:** 8/8/2008

Analyte	Concentration	Units	C	Qual	MDL	RL	Dil	Analytical Date	Time	Instrument	Run	M
Chromium	55.6	mg/Kg			0.10	0.58	1	8/8/2008	17:49	SUPERTRACE	108080W	P

Comments:

Wet Chemistry Analysis

Client Sample No.: 210' DITCH

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): SOIL Lab Sample ID: A8950001

% Solids: 51.1 Date Samp/Recv: 08/04/2008 08/06/2008

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Hexavalent Chromium - Total	UG/G	2.9	U		A	7196A	08/13/2008

Comments:

_____

_____

_____

_____

Wet Chemistry Analysis

Client Sample No.: 215' DITCH

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): SOIL Lab Sample ID: A8950002

% Solids: 73.6 Date Samp/Recv: 08/04/2008 08/06/2008

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Hexavalent Chromium - Total	UG/G	2.0	U		A	7196A	08/13/2008

Comments:

Wet Chemistry Analysis

Client Sample No.

220' DITCH

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): SOIL Lab Sample ID: A8950003

% Solids: 81.9 Date Samp/Recv: 08/04/2008 08/06/2008

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Hexavalent Chromium - Total	UG/G	1.8	U		A	7196A	08/13/2008

Comments:

Wet Chemistry Analysis

Client Sample No.: DIRECT OUTFALL

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): SOIL Lab Sample ID: A8950004

% Solids: 79.0 Date Samp/Recv: 08/04/2008 08/06/2008

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Hexavalent Chromium - Total	UG/G	1.9	U		A	7196A	08/13/2008

Comments:

SEVERN TRENT STL

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

STL Buffalo

Serial or COC #:

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228
Ph: 716-691-2600
Fax: 716-691-7991
Website: www.stl-inc.com

STL JOB/LOG #:

Possible Hazards:

Sample Disposal:

PAGE ___ OF ___

PROJECT & CLIENT INFORMATION

PROJECT REFERENCE/NAME: RD Specialties	PROJECT NO.	Project State: NY
STL (LAB) PROJECT MANAGER	P.O. NUMBER: RRDS0001	CONTRACT/Quote NO.
CLIENT (SITE) PM: Eric Frankenberg	CLIENT PHONE: 585 278-1151	CLIENT FAX: 585 278-1150
CLIENT NAME	CLIENT EMAIL: frankenberge@OP-Tech.US	
CLIENT ADDRESS: 150 Elmgrove Park Rochester, NY		
Samplers Signature & Initials: DOF		

Sample Information: LABORATORY SAMPLE ID | SAMPLE TYPE | FIELD FILTERED | MATRIX

REQUIRED ANALYSES: Chromium | Hex chrome

SAMPLED ON DATE	SAMPLED ON TIME	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED		REMARKS
8-4-08	0715	218' Ditch	1	1	
8-4-08	0720	215' Ditch	1	1	
8-4-08	0725	280' Ditch	1	1	
8-4-08	0740	North of Schlegal Rd. Direct outfall	1	1	All Samples ASP Cat B
8-4-08	0748	North of Schlegal Rd. 4' NW of outfall	1	/	
8-4-08	0754	" " " " 5' NE of outfall	1	/	

Final Report Type (Circle at least one): I II III IV Custom per QAP
EDD ___
TAT/ DATE DUE ___ Per QAP/Quote
EXPEDITED REPORT (circle one) FAX EMAIL POST Other
TAT/ DATE DUE ___ or Per QAP/Project

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Kasey Johnstone								
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	08-06-08	11:35						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES / NO	CUSTODY SEAL NO.	LABORATORY REMARKS:
					4.0°

FOU050.12.20.06.2

Original - Return to Laboratory with Sample(s)

40/295

Attachment 4

NYSDEC Draft DER-10 Community Air Monitoring Plan

APPENDIX 1A

New York State Department of Health
Generic Community Air Monitoring Plan

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for volatile organic compounds (VOCs) and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate NYSDEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. "Periodic" monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

All 15-minute readings must be recorded and be available for State (DEC and DOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

All readings must be recorded and be available for State (DEC and DOH) personnel to review.