

SITE REMEDIATION WORK PLAN

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

NYSDEC SITE CODE: 828062

Prepared for:

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TABLE OF CONTENTS

- 1.0 Purpose**
- 2.0 Policy**
- 3.0 Site History**
- 4.0 Release of Chromium Liquids**
- 5.0 Response Activities**
 - 5.1 Soil Disposal*
 - 5.2 Water Treatment*
- 6.0 Soil Sampling**
 - 6.1 Confirmatory & Investigative Sampling to Date*
 - 6.2 Repeat Sampling of Soil and New Sampling of Stream Sediment*
- 7.0 Proposed Remedial Activities**
 - 7.1 Surface Water Management*
 - 7.2 Traffic Management*
 - 7.3 Soil Excavation*
 - 7.4 Confirmatory Soil Sampling*
 - 7.5 Disposal Characterization Analysis*
- 8.0 Monitoring Well Installations**
 - 8.1 Monitoring Well Installation Procedures*
 - 8.2 Monitoring Well Development*
 - 8.3 Monitoring Well Sampling*
- 9.0 Community Air Monitoring Plan**
- 10.0 Summary Report**

Tables:

- 1-Summary of Soil Sampling Results for Target Analyte List Metals
- 2-Summary of Soil Sampling Results for Chromium & Hexavalent Chromium

Figures:

- 1-Aerial Photo & Project Location Map
- 2- Site Sketch Maps – Roadside Drainage Ditch Sampling Results
- 3 -Proposed Monitoring Well Location Map

Attachments:

- 1-Waste Characterization & Disposal Manifest
- 2-Groundwater Sampling Reports
- 3-Lab Analytical Reports on Soil Samples
- 4- NYSDEC Draft DER-10 Appendix 1A – Particulate Monitoring

SITE REMEDIATION WORK PLAN
RD SPECIALTIES, INC.
560 SALT RD.
WEBSTER, N.Y. 14580

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	NYSRR 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-mil 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-inch 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
Antimony		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

		NYCRR Subpart 375-6	Ditch 210	Ditch 215	Ditch 220	Direct Outfall	5' NE of Outfall	4' NW of Outfall
Results Reported in mg/kg	Eastern US Background	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	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

		NYCRR Subpart 375-6	Creek N OF SCHLEGAL	Ditch 120	Ditch 125	Ditch 130
Results Reported in mg/kg	Eastern US Background	Soil Cleanup Objective (mg/kg)	5/30/2008	5/30/2008	5/30/2008	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

200 m
600 ft

Schlegel Rd

Schlegel Rd

Kerox Corporation

Salt Rd



Dr

© 2008 MapQuest Inc.

Imagery © 2008 i-cubed
Map Data © 2008 NAVTEQ or TeleAtlas

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

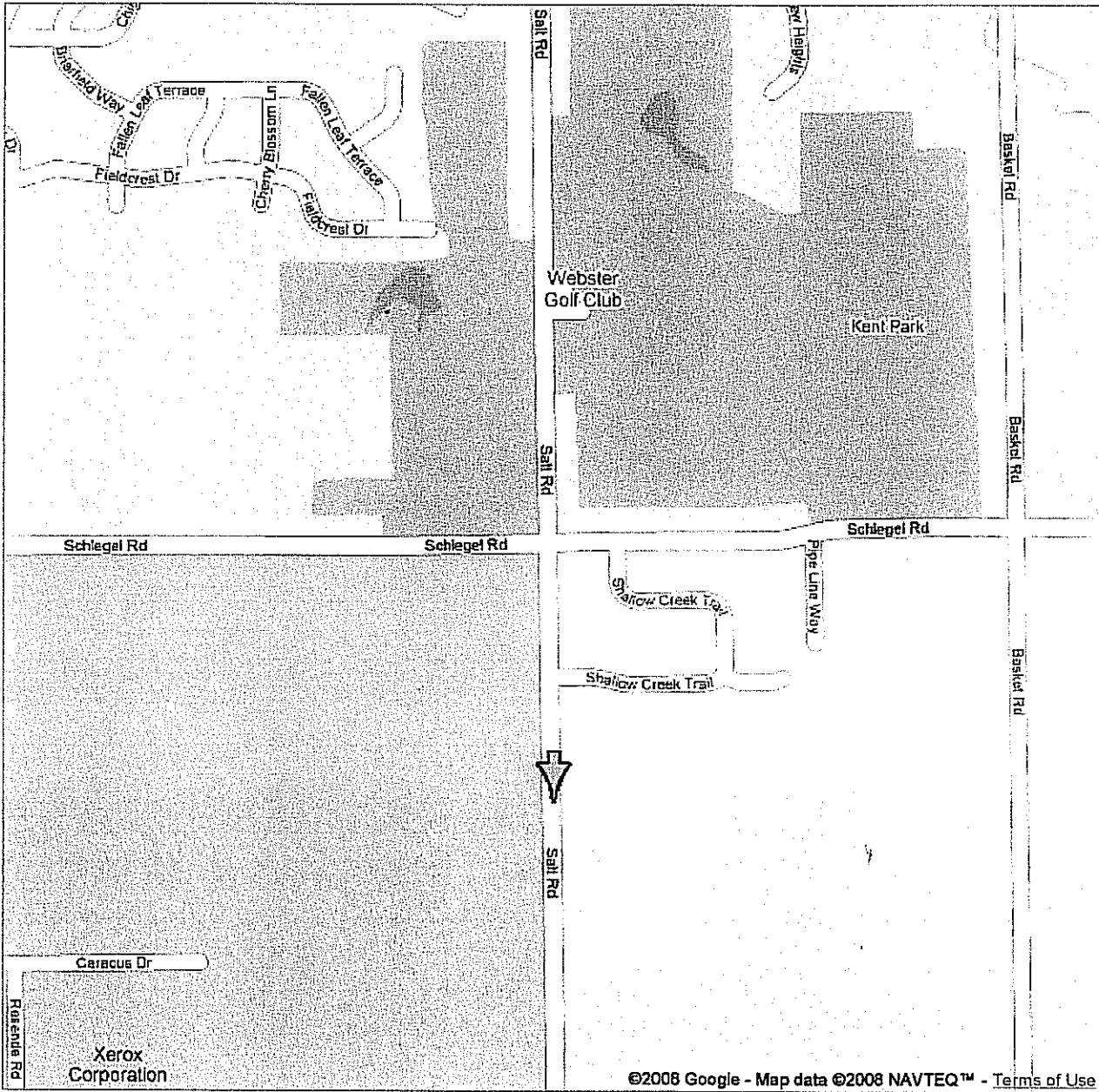


FIGURE 2

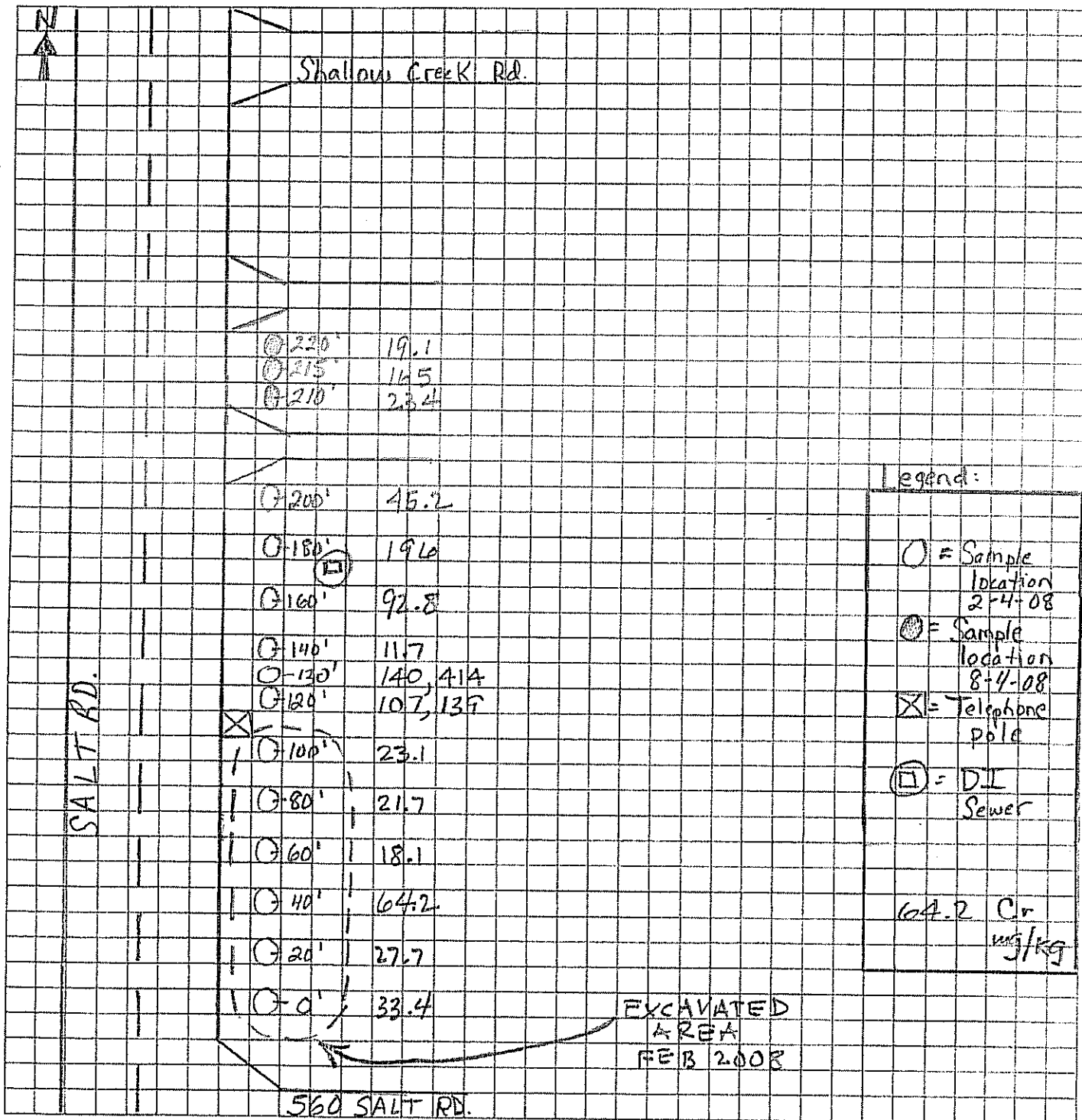
Sketch Maps of Roadside Drainage Ditch Sampling



OP-TECH

Response • Service • Experience •

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





OP-TECH

Response • Service • Experience •

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Address 560 Salt Rd. Webster, NY

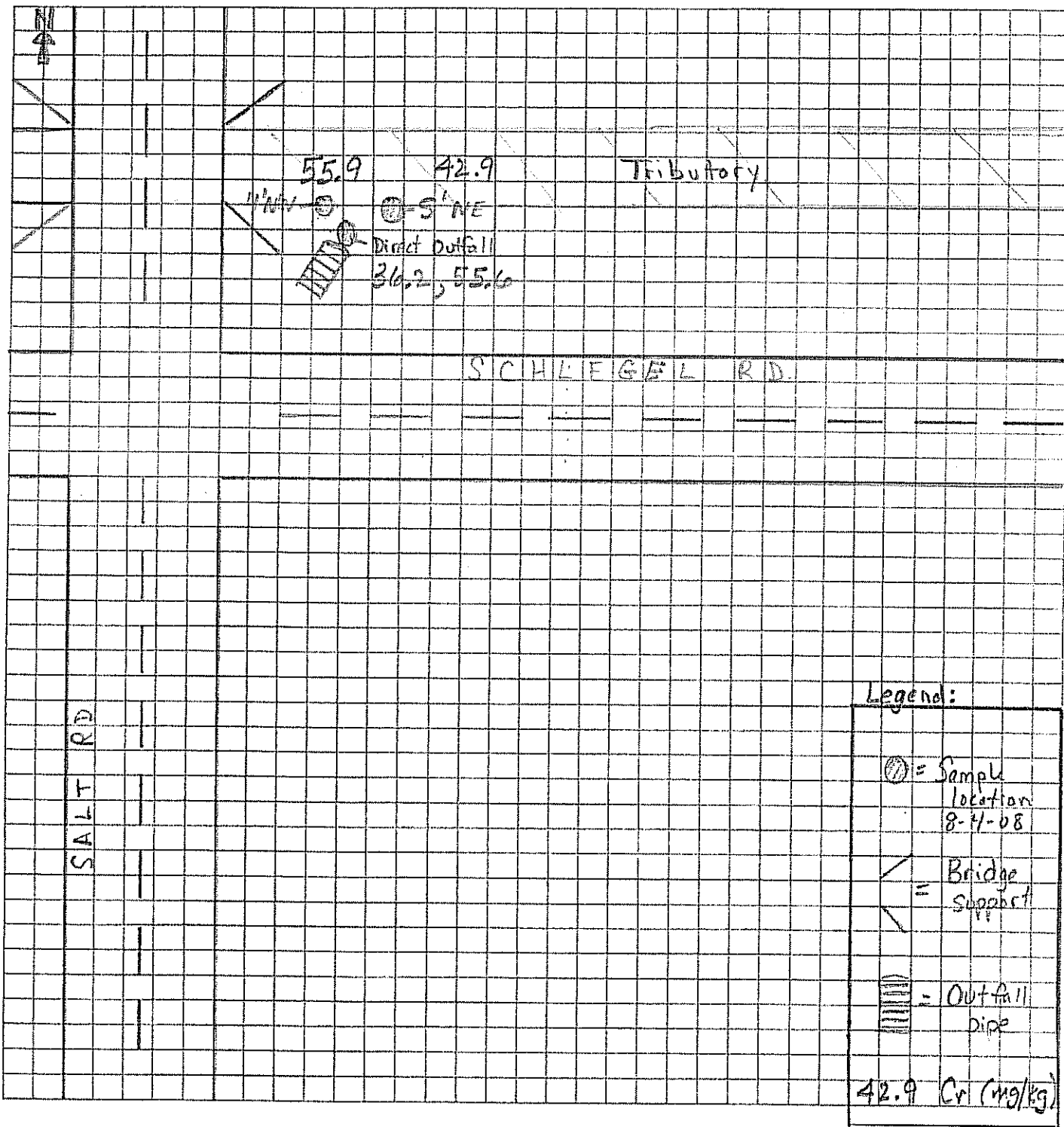
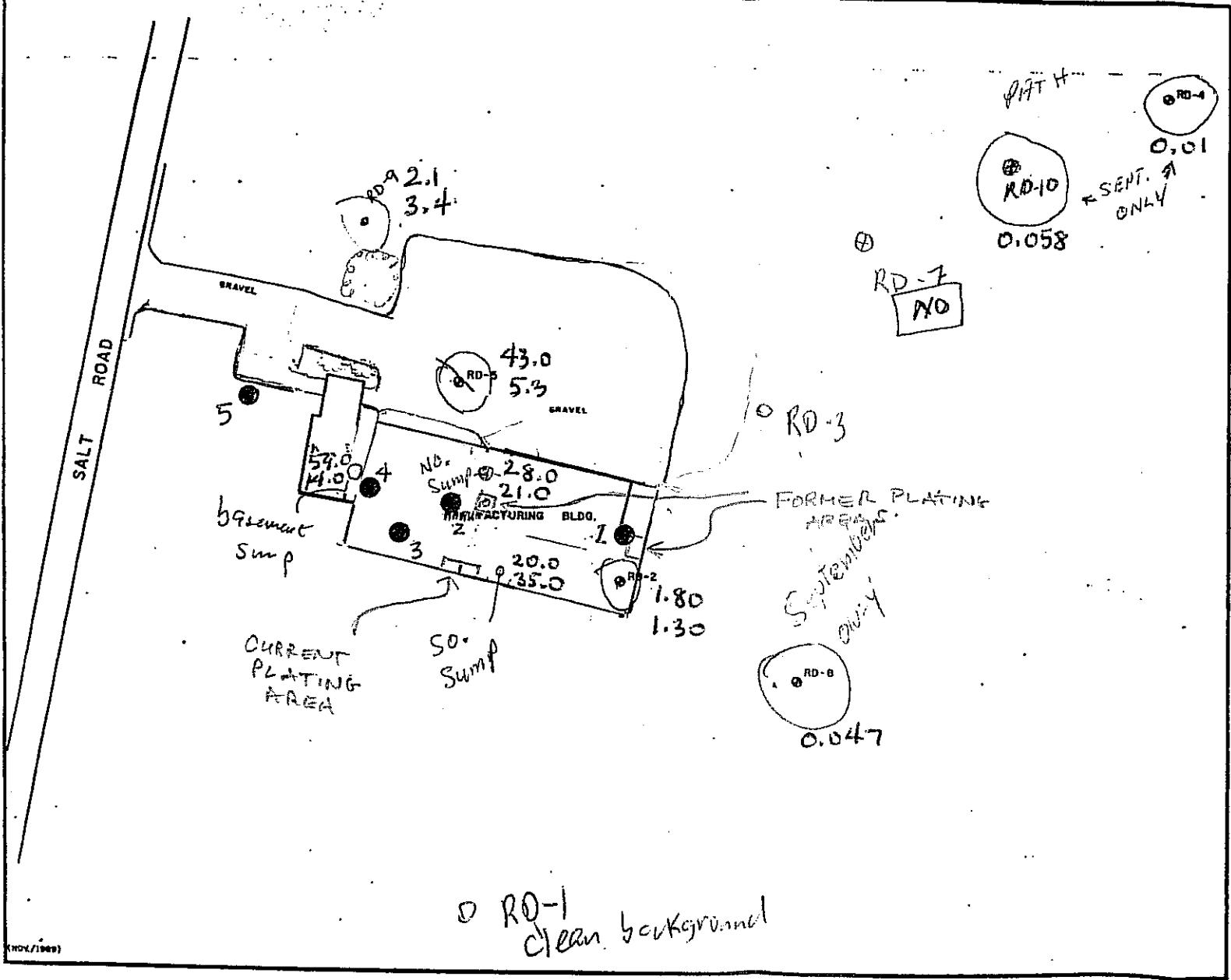


FIGURE 3

PROPOSED MONITORING WELL LOCATION MAP

FIGURE 2



LEGEND

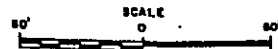
- ⊙ MONITORING WELL
- SOIL BORING
- △ SOIL SAMPLE
- △ SURFACE WATER SAMPLE
- SOIL SAMPLE LOZIER, 1985
- 1 ● PROPOSED WELL

0.01 SAMPLING RESULTS 2008

RD SPECIALTIES INC. WEBSTER, NEW YORK

FEASIBILITY STUDY

SAMPLING LOCATION PLAN



(NOV/1989)

○ RD-1 clean background

Attachment 1

Waste Manifest Documentation

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NY0041293127	2. Page 1 of 1	3. Emergency Response Phone 800-238-6750	4. Manifest Tracking Number 000634051 JJK			
5. Generator's Name and Mailing Address RD Specialties 560 Salt Rd. Webster, NY 14580				Generator's Site Address (if different than mailing address)				
Generator's Phone: 825-259-0220								
6. Transporter 1 Company Name Page ETC Inc.				U.S. EPA ID Number NY0986969347				
7. Transporter 2 Company Name				U.S. EPA ID Number				
8. Designated Facility Name and Site Address P.O. Box 200, 1530 Garner Road Model City, NY 14107				U.S. EPA ID Number NY0049832679				
Facility's Phone: 716-754-8231								
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes		
		No.	Type					
X	1. HAZARDOUS WASTE, SOLID, N.O.S. (CORROSIVE) 9 (A45077, POB) (ERG017)	001	GM	20	37 25	FC05	L	
	2.							
	3.							
	4.							
14. Special Handling Instructions and Additional Information Approval # NY 299285								
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 will 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/Offers Printed/Typed Name				Signature		Month Day Year		
						01 1 09		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____								
17. Transporter Acknowledgment of Receipt of Materials								
Transporter 1 Printed/Typed Name CLINT WEAVER				Signature <i>Clint Weaver</i>		Month Day Year 01 21 09		
Transporter 2 Printed/Typed Name				Signature		Month Day Year		
18. Discrepancy								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> 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		

GENERATOR

INTEL

TRANSPORTER

DESIGNATED FACILITY

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

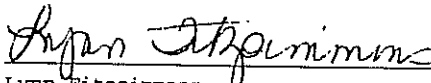
Re: Confirmation Number 5626072, CWMI Profile Number NY298286 MDC

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 Services, 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
Chemical Waste Management, Inc

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
WEBSTER NY 14580 1 ADLER DR
3. Technical Contact/Phone: EAST SYRACUSE NY 13057-1223
4. Alternate Billing 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 () 1f 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,X,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)
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
Table with columns: Constituents, Range, Unit Description. Rows: SOIL, BARIUM, CHROMIUM, TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%):

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, Appendix 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: (X) & 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

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? Enter letter from below
			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
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

E. TRANSPORTATION INFORMATION

a. Is this a DOT Hazardous Material? Yes 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 IBB 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.

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 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:
 To list additional USEPA waste code(s) and subcategory(ies), 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 that 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 1990 Chemical Waste Management, Inc. - 08/99- Form CWM-2005-C 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.

2 SOLVENT WASTE TREATMENT STANDARDS			
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	1 Treatment Standard		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).
	Wastewaters	Nonwastewaters	
	1 Treatment Standard		
	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: rawson@op-tech.us
6. Phone: 607-565-8891
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 Benzene Waste Operations NESHAP (BWON) questionnaire



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)?
i. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761?
j. Chemical Composition (List all constituents [including halogenated organics, debris, and UHC's] present in any concentration and submit representative analysis):

Table with 5 columns: Constituents (Total Composition Must be > 100%), Lower Range, Unit of Measure, Upper Range, Unit of Measure. Rows include soil, barium, cadmium, chromium, lead.

- 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?
m. Does the waste represented by this waste profile sheet contain radioactive material?
n. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up?
o. Is this a State Hazardous Waste?

D. DOT Information and Shipping Volume

- 1. Quantity of Waste
a. One Time Event, Base, Repeat Event
b. Estimated Annual Quantity: 120 Tons
c. Shipping Frequency: Units: 6 Per: Quarter
2. Shipping Information
a. Packaging: Roll off/End dump: 20 yard
b. Is this a U.S. Department of Transportation (USDOT) Hazardous Material?
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.

Certification Signature: [Signature] Agent for: Title: Project Manager
Name (Type or Print): Eric J. Rosenbergl Company Name: RD Specialties Date: 10-1-08

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

Date: 02/21/2008

Time: 09:12:15

DEC OP TECH

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

8/11 Page: 1

Rept: AN117B

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		Analyst
						Analyzed		
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

Date: 02/21/2008

Time: 09:12:15

DEC OP TECH

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

9/11 Page: 2
Rept: AN1178

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: NYS9454.1

Client No: 135066

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
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



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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179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client:	<u>OP-Tech</u>	Lab Project No.:	08-1497
Client Job Site:	560 Salt Rd.	Lab Sample No.:	5280
Client Job No.:	RRDS0001	Sample Type:	Liquid
Field Location:	Frak Tank	Date Sampled:	04/25/2008
Field ID No.:	N/A	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



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.:10858

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:	
COMPANY: OP-TECH	ADDRESS: 150 ELMGROVE PARK	COMPANY: OP-TECH	ADDRESS: 6392 DEERE ROAD
CITY: ROCHESTER	STATE: NY	ZIP: 14624	CITY: SYRACUSE
PHONE: 585-278-1151	FAX: 585-278-1150	STATE: NY	ZIP: 13206
PHONE: 585-278-1151	FAX: 585-278-1150	PHONE: 315-463-1643	FAX: 315-463-9764
PROJECT NAME/SITE NAME: 560 Salt Rd. RRDS 0001		ATTN: DEB KASARDA	
ATTN: Eric Frankenberg		LAB PROJECT #: 08-1497	
COMMENTS:		CLIENT PROJECT #:	
		TURNAROUND TIME: (WORKING DAYS)	
		1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5 <input type="checkbox"/>	
		STD OTHER	

REQUIRED ANALYSIS

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

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

Receipt Parameter	NELAC Compliance	
Container Type:	Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>
Comments:		
Preservation:	Y <input type="checkbox"/>	N <input checked="" type="checkbox"/>
Comments: HNO3 added at lab		
Holding Time:	Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>
Comments:		
Temperature:	Y <input type="checkbox"/>	N <input checked="" type="checkbox"/>
Comments: 14°C		

C. J. [Signature] 4/25/08 0600
 Sampled By Date/Time
 C. J. [Signature] 5/1/08 1000
 Relinquished By Date/Time
 Brad [Signature] 5/1/08 1000
 Received By Date/Time
 Elizabeth A. Honch 5/1/08 1110
 Received @ Lab By Date/Time

Total Cost:

P.I.F.



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 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

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
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#: A08-1307Project#: NY5A9454.1
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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#: A08-1307Project#: NY5A9454.1
Site Name: DEC OP TECHGeneral 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.

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.

Date: 02/21/2008

Time: 09:12:15

DEC OP TECH

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

8/11 Page: 1
Rept: AN1178

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		Analyst
						Analyzed		
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

Date: 02/21/2008

Time: 09:12:15

DEC OP TECH

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

9/11 Page: 2
Rept: AN1178

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		Analyst
						Analyzed		
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 #: 1072
STL JOB/LOG #:



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: 716-691-7995
Website: www.stl-inc.com

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 Elm Grove Park Rochester, NY 14624		
Samplers Signature & Initials:		

LABORATORY SAMPLE ID

Sample Information

REQUIRED ANALYSES	PAGE	OF
TAL METALS ASP Category B		

Final Report Type (Circle at least one):
 I
 II
 III
 IV Custom per QAP
 EDD _____ Per _____
 TAT/ DATE DUE _____
 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		SAMPLE IDENTIFICATION	LABORATORY SAMPLE ID	SAMPLE TYPE	FIELD FILTERED	MATRIX	NUMBER OF CONTAINERS SUBMITTED										REMARKS
DATE	TIME																
2-4-08	1641	South end 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	X									

RELINQUISHED BY: (SIGNATURE) Linda Failer	DATE 2-6-08	TIME 10:45a	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) Chad Rife	DATE 2-26-08	TIME 10:45	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE) _____ DATE _____ TIME _____

LABORATORY USE ONLY

CUSTODY INTACT: YES NO

CUSTODY SEAL NO. _____

LABORATORY REMARKS: 2.00

Original - Return to Laboratory with Sample(s)



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: 716-691-7997
Website: www.stl-inc.com

Serial or COC #:

STL JOB/LOG #:

Possible Hazards:

Sample Disposal:

PROJECT & CLIENT INFORMATION

PROJECT REFERENCE NAME: *RDS specialties*
PROJECT NO: *RRDS0001*
Project State: *NY*
STL (LAB) PROJECT MANAGER: *RDS*
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: *Eric Frankenberg*
CLIENT EMAIL:

CLIENT ADDRESS: *OP-Tech Environmental*
150 Edgemoor Park Rochester, NY 14624
Frankenberg@OP-Tech.us
Sample Signature & Initials: *[Signature]*

SAMPLED ON: *2-5-08* 12:05

DATE: *2-5-08* TIME: *1205*
SAMPLE IDENTIFICATION: *Rolloff SC-2586 Disposal*

LABORATORY SAMPLE ID

SAMPLE TYPE	FIELD FILTERED	MATRIX
<i>C</i>	<i>S</i>	<i>X</i>

TAL METALS

REQUIRED ANALYSES

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:

NUMBER OF CONTAINERS SUBMITTED

REMARKS

RELINQUISHED BY: (SIGNATURE) <i>Linda Park</i>	DATE <i>2-6-08</i>	TIME <i>10:45a</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>02-06-08</i>	TIME <i>10:45</i>	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)
 LABORATORY USE ONLY
 CUSTODY INTACT YES NO
 CUSTODY SEAL NO. *8*
 LABORATORY REMARKS: *2009*

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-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"=0.60
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)	7.87	8.98	7.87		
SWL (feet)	0.65	1.24	5.41		
H2O Column (feet)	7.24	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	1350	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 Turbid

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.

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	8"=1.46	

Samplers: E - BIRDSEAL
B - DONALDSON

Date	<u>12-15-06</u>				
Well I.D.	RD-2	RD-5	RD-9	North Sump	South Sump
Diameter (inches)	2"	2"	2"		
TSD (feet)	<u>7.87</u>	<u>5.95</u>	<u>9.87</u>		<u>1</u>
SWL (feet)	<u>1.46</u>	<u>1.60</u>	<u>5.82</u>		
H2O Column (feet)	<u>6.43</u>	<u>4.35</u>	<u>4.05</u>		
Conversion	<u>.16</u>	<u>.16</u>	<u>.16</u>		
Well Volume (gal)	<u>1.0</u>	<u>1.1</u>	<u>0.6</u>		
Amt. to Evacuate (gal)	<u>3.0</u>	<u>3.5</u>	<u>1.4</u>		
Amt. Evacuated (gal)	<u>3</u>	<u>4</u>	<u>2</u>		

FIELD READINGS

Date	<u>12-15-06</u>				
Time	<u>1115</u>	<u>1123</u>	<u>1130</u>	<u>1119</u>	<u>1120</u>
DTP					
DTW					
Product Thickness					
D.O. (mg/L)					
Appearance	<u>C</u>	<u>ST</u>	<u>C</u>	<u>yellow</u>	<u>yellow</u>
Comments				<u>C</u>	<u>C</u>

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 Turbid

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 BIRDSELOW

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	<u>12-3-07</u>				
Well I.D.	RD-2	RD-5	RD-9	North Sump	South Sump
Diameter (Inches)	<u>2"</u>	<u>2"</u>	<u>2"</u>		
TSD (feet)	<u>7.89</u>	<u>8.98</u>	<u>9.87</u>		
SWL (feet)	<u>1.13</u>	<u>2.11</u>	<u>5.30</u>		
H2O Column (feet)	<u>6.76</u>	<u>6.87</u>	<u>4.57</u>		
Conversion	<u>.16</u>	<u>.16</u>	<u>.16</u>		
Well Volume (gal)	<u>1.0</u>	<u>1.0</u>	<u>0.7</u>		
Amt. to Evacuate(gal)	<u>3.2</u>	<u>3.2</u>	<u>2.1</u>		
Amt. Evacuated (gal)	<u>3</u>	<u>3</u>	<u>2</u>		

FIELD READINGS

Date	<u>12-3-07</u>				
Time	<u>1255</u>	<u>1240</u>	<u>1230</u>	<u>1300</u>	<u>1305</u>
DTP					
DTW					
Product Thickness					
D.O. (mg/L)					
Appearance	<u>ST</u>	<u>ST</u>	<u>ST</u>	<u>C</u>	<u>C</u>
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 Turbid

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.

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"=0.60
4"=0.65	6"=1.46	

Samplers: E - BIRDSELOW
B - DANIELSON

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)	0.24 0.15	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 Turbid

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. BIRDSELOW
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	→ #						
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)	0.5	1	3				

FIELD READINGS

Date	→						
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 Turbid

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-BIRDSON
TS-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			3	
Well I.D.	RD-2	RD-5	RD-9	North Sump	South Sump
Diameter (inches)	2"	2"	2"	/	/
TSD (feet)	7.87	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 DTP = Depth to Product
 SWL = Static Water Level DTW = Depth to Water

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

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 groundwater 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 .02, 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.



FACE EL
E START
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Attachment 3

Lab Analytical Reports on Soil Samples

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

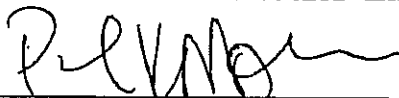
ANALYTICAL REPORT

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

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
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#: A08-1247Project#: NY5A9454.1
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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.
- † 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		Instrument	Run	M
								Date	Time			
Aluminum	3270	mg/Kg		N	16.0	16.0	1	2/11/2008	16:39	SUPERTRACE2	A021108	P
Antimony	<	24.0	U	N	24.0	24.0	1	2/11/2008	16:39	SUPERTRACE2	A021108	P
Arsenic	<	3.2	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	U		0.32	0.32	1	2/11/2008	16:39	SUPERTRACE2	A021108	P
Cadmium	<	0.32	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	U		6.4	6.4	1	2/11/2008	16:39	SUPERTRACE2	A021108	P
Mercury	<	0.026	U		0.026	0.026	1	2/12/2008	16:48:10	LEEMAN PS2	H02128S1	CV
Silver	<	0.80	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	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		Instrument	Run	M
								Date	Time			
Aluminum	6600	mg/Kg		N	24.6	24.6	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Antimony	<	36.9	U	N	36.9	36.9	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Arsenic	<	4.9	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	U		0.49	0.49	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Cadmium	<	0.49	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	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	U		1.2	1.2	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Sodium	<	344	U		344	344	1	2/11/2008	16:44	SUPERTRACE2	A021108	P
Thallium	<	14.8	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		Instrument	Run	M
								Date	Time			
Aluminum	5390	mg/Kg		N	14.1	14.1	1	2/11/2008	16:49	SUPERTRACE2	A021108	P
Antimony	<	21.1	U	N	21.1	21.1	1	2/11/2008	16:49	SUPERTRACE2	A021108	P
Arsenic	<	2.8	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	U		0.28	0.28	1	2/11/2008	16:49	SUPERTRACE2	A021108	P
Cadmium	<	0.28	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	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	U		0.70	0.70	1	2/11/2008	16:49	SUPERTRACE2	A021108	P
Sodium	<	197	U		197	197	1	2/11/2008	16:49	SUPERTRACE2	A021108	P
Thallium	<	8.5	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	Analytical		Instrument	Run	M	
							Dil	Date				Time
Aluminum	5880	mg/Kg		N	23.0	23.0	1	2/11/2008	16:55	SUPERTRACE2	A021108	P
Antimony	<	34.5	U	N	34.5	34.5	1	2/11/2008	16:55	SUPERTRACE2	A021108	P
Arsenic	<	4.6	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	U		0.46	0.46	1	2/11/2008	16:55	SUPERTRACE2	A021108	P
Cadmium	<	0.46	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	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	U		1.2	1.2	1	2/11/2008	16:55	SUPERTRACE2	A021108	P
Sodium	<	322	U		322	322	1	2/11/2008	16:55	SUPERTRACE2	A021108	P
Thallium	<	13.8	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		Instrument	Run	M
								Date	Time			
Aluminum	7100	mg/Kg		N	25.8	25.8	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Antimony	<	38.7	U	N	38.7	38.7	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Arsenic	<	5.2	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	U		0.52	0.52	1	2/11/2008	17:00	SUPERTRACE2	A021108	P
Cadmium	<	0.52	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	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	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	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		Instrument	Run	M
								Date	Time			
Aluminum	3960	mg/Kg		N	13.8	13.8	1	2/11/2008	16:17	SUPERTRACE2	A021108	P
Antimony	<	20.7	U	N	20.7	20.7	1	2/11/2008	16:17	SUPERTRACE2	A021108	P
Arsenic	<	2.8	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	U		0.28	0.28	1	2/11/2008	16:17	SUPERTRACE2	A021108	P
Cadmium	<	0.28	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	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	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	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		Instrument	Run	M
								Date	Time			
Aluminum	5650	mg/Kg		N	14.8	14.8	1	2/11/2008	17:05	SUPERTRACE2	A021108	P
Antimony	<	22.1	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	U		0.30	0.30	1	2/11/2008	17:05	SUPERTRACE2	A021108	P
Cadmium	<	0.30	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	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	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	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	Analytical		Instrument	Run	M	
							Dil	Date				Time
Aluminum	4960	mg/Kg		N	17.0	17.0	1	2/11/2008	16:22	SUPERTRACE2	A021108	P
Antimony	<	25.6	U	N	25.6	25.6	1	2/11/2008	16:22	SUPERTRACE2	A021108	P
Arsenic	<	3.4	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	U		0.34	0.34	1	2/11/2008	16:22	SUPERTRACE2	A021108	P
Cadmium	<	0.34	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	U		6.8	6.8	1	2/11/2008	16:22	SUPERTRACE2	A021108	P
Mercury	<	0.026	U		0.026	0.026	1	2/12/2008	16:43:28	LEEMAN PS2	H02128S1	CV
Silver	<	0.85	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	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		Instrument	Run	M
								Date	Time			
Aluminum	3410	mg/Kg		N	16.7	16.7	1	2/11/2008	16:28	SUPERTRACE2	A021108	P
Antimony	<	25.1	U	N	25.1	25.1	1	2/11/2008	16:28	SUPERTRACE2	A021108	P
Arsenic	<	3.3	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	U		0.33	0.33	1	2/11/2008	16:28	SUPERTRACE2	A021108	P
Cadmium	<	0.33	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	U		6.7	6.7	1	2/11/2008	16:28	SUPERTRACE2	A021108	P
Mercury	<	0.028	U		0.028	0.028	1	2/12/2008	16:44:49	LEEMAN PS2	H02128S1	CV
Silver	<	0.84	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	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		Instrument	Run	M
								Date	Time			
Aluminum	4590	mg/Kg		N	15.7	15.7	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Antimony	<	23.5	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	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	U		6.3	6.3	1	2/11/2008	16:33	SUPERTRACE2	A021108	P
Mercury	<	0.024	U		0.024	0.024	1	2/12/2008	16:46:35	LEEMAN PS2	H02128S1	CV
Silver	<	0.78	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	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		Instrument	Run	M
								Date	Time			
Aluminum	4770	mg/Kg		N	15.2	15.2	1	2/11/2008	15:36	SUPERTRACE2	A021108	P
Antimony	<	22.7	U	N	22.7	22.7	1	2/11/2008	15:36	SUPERTRACE2	A021108	P
Arsenic	<	3.0	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	U		0.30	0.30	1	2/11/2008	15:36	SUPERTRACE2	A021108	P
Cadmium	<	0.30	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	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	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	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

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
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#: A08-1247Project#: NY5A9454.1
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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.



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: 716-691-7997
 Website: www.stl-inc.com

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

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

LABORATORY SAMPLE ID	SAMPLE TYPE	FIELD FILTERED	MATRIX	REQUIRED ANALYSES												Final Report Type (Circle at least one): I II III IV Custom per QAP EDD _____ Per TAT/ DATE DUE _____ EXPEDITED REPORT (circle one) FAX EMAIL POST Other TAT/ DATE DUE _____ or Per QAP/Project NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
				1	2	3	4	5	6	7	8	9	10	11	12	
<i>TAL METALS</i>																
<i>ASP Category B</i>																

SAMPLED ON		SAMPLE IDENTIFICATION	LABORATORY SAMPLE ID	SAMPLE TYPE	FIELD FILTERED	MATRIX	NUMBER OF CONTAINERS SUBMITTED												REMARKS
DATE	TIME						1	2	3	4	5	6	7	8	9	10	11	12	
<i>2-4-08</i>	<i>1641</i>	<i>Southern ditch 0'</i>		<i>C</i>	<i>S</i>	<i>X</i>	<i>X</i>												
<i>2-4-08</i>	<i>1646</i>	<i>Ditch 20'</i>		<i>C</i>	<i>S</i>	<i>X</i>	<i>X</i>												
<i>2-4-08</i>	<i>1654</i>	<i>Ditch 40'</i>		<i>C</i>	<i>S</i>	<i>X</i>	<i>X</i>												
<i>2-4-08</i>	<i>1707</i>	<i>Ditch 60'</i>		<i>C</i>	<i>S</i>	<i>X</i>	<i>X</i>												
<i>2-4-08</i>	<i>1720</i>	<i>Ditch 80'</i>		<i>C</i>	<i>S</i>	<i>X</i>	<i>X</i>												
<i>2-4-08</i>	<i>1727</i>	<i>Ditch 100'</i>		<i>C</i>	<i>S</i>	<i>X</i>	<i>X</i>												
<i>2-5-08</i>	<i>1000</i>	<i>Ditch 120'</i>		<i>C</i>	<i>S</i>	<i>X</i>	<i>X</i>												
<i>2-5-08</i>	<i>1010</i>	<i>Ditch 140'</i>		<i>C</i>	<i>S</i>	<i>X</i>	<i>X</i>												
<i>2-5-08</i>	<i>1025</i>	<i>Ditch 160'</i>		<i>C</i>	<i>S</i>	<i>X</i>	<i>X</i>												
<i>2-5-08</i>	<i>1030</i>	<i>Ditch 180'</i>		<i>C</i>	<i>S</i>	<i>X</i>	<i>X</i>												
<i>2-5-08</i>	<i>1100</i>	<i>Ditch 200'</i>		<i>C</i>	<i>S</i>	<i>X</i>	<i>X</i>												
<i>2-5-08</i>	<i>1200</i>	<i>Rolloff SC-2524 Disposal</i>		<i>C</i>	<i>S</i>	<i>X</i>													

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2-6-08</i>	TIME <i>10:45a</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2-26-08</i>	TIME <i>10:45</i>	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	CUSTODY INTACT YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	CUSTODY SEAL NO.	LABORATORY REMARKS: <i>2.0</i>
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Original Return to Laboratory with Sample(s)



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: 716-691-7997
 Website: www.stl-inc.com

Serial or COC #:

STL JOB/LOG #:

Possible

Hazards:

Sample

Disposal:

PROJECT & CLIENT INFORMATION

PROJECT REFERENCE/NAME <i>RRD Specialties</i>		PROJECT NO <i>RRD50001</i>	Project State <i>NY</i>
STL (LAB) PROJECT MANAGER		P.O. NUMBER <i>RRD50001-04</i>	CONTRACT/Quote NO
CLIENT (SITE) PM <i>Eric Frankenberg</i>	CLIENT PHONE <i>(585) 278-1151</i>	CLIENT FAX <i>(585) 278-1150</i>	
CLIENT NAME	CLIENT EMAIL <i>FrankenbergE@OP-Tech.us</i>		
CLIENT ADDRESS <i>150 Edman Park Rochester, NY 14624</i>			
Samplers Signature & Initials: 			

LABORATORY SAMPLE ID	SAMPLE TYPE	FIELD FILTERED	MATRIX	REQUIRED ANALYSES										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 CONTAINERS SUBMITTED												REMARKS
				1	2	3	4	5	6	7	8	9	10			

RELINQUISHED BY: (SIGNATURE) <i>Junela Park</i>	DATE <i>2-6-08</i>	TIME <i>10:45a</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY (SIGNATURE) <i>[Signature]</i>	DATE <i>02-06-08</i>	TIME <i>10:45</i>	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	LABORATORY REMARKS: <i>2009</i>
--	------	------	--	------------------	------------------------------------

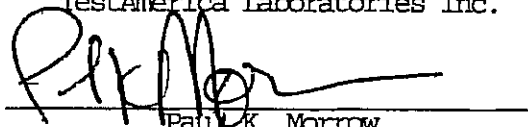
ANALYTICAL REPORT

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

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
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#: A08-6185Project#: NY5A9454.1
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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 CONSERVATIONSAMPLE 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

NYSDEC-5



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.
- † 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		Instrument	Run	M
							Date	Time			
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		Instrument	Run	M
								Date	Time			
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		Instrument	Run	M
							Date	Time			
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		Instrument	Run	M
							Date	Time			
Chromium	414 mg/Kg			0.17	0.95	1	6/5/2008	00:46	SUPERTRACE2	106040W	P

Comments:

Wet Chemistry Analysis

17/295

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

16/295

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

18/295

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

23/295

Client Sample No.

Method Blank

Lab Name: TestAmerica Laboratories Inc.

Contract: _____

Lab Code: RECNV

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:



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: 716-691-7997
 Website: www.stl-inc.com

Serial or COC #:

STL JOB/LOG #:

Possible Hazards:

Sample Disposal:

PROJECT & CLIENT INFORMATION

PROJECT REFERENCE/NAME RD Association	PROJECT NO. RRDS0001	Project State 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 585-278-1192
CLIENT NAME	CLIENT EMAIL ep-tech@environmentalfrankenburger.com	
CLIENT ADDRESS 150 Elmwood Park Rochester NY 14624		
Samplers Signature & Initials: Eric Frankenburger EP		

Sample Information

LABORATORY SAMPLE ID

SAMPLE TYPE
FIELD FILTERED
MATRIX

TAL CHROMIUM

Hexavalent Chromium

REQUIRED ANALYSES

PAGE OF

Final Report Type (Circle at least one):
 I II III IV Custom per QAP
 EDD _____ Per
 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	TIME	SAMPLE IDENTIFICATION	LABORATORY SAMPLE ID	SAMPLE TYPE	FIELD FILTERED	MATRIX	NUMBER OF CONTAINERS SUBMITTED										REMARKS						
5/30/08	9:30 AM	Ditch 120'		J	S	X	X																
5/30/08	9:33 AM	Ditch 125'		J	S	X	X																
5/30/08	9:36 AM	Ditch 130'		J	S	X	X																
5/30/08	9:45 AM	Crack N. of Schlegel Rd		J	S	X																	

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE 5-30	TIME 16:25	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE 05-30-08	TIME 16:25	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	CUSTODY INTACT YES <input checked="" type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	LABORATORY REMARKS: 2.00
---	------	------	--	------------------	------------------------------------

Original - Return to Laboratory with Sample(s)

34/295

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

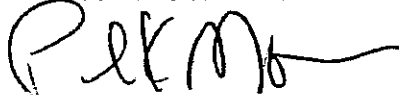
ANALYTICAL REPORT

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

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 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

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
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#: A08-9500Project#: NY5A9454.1
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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 CONSERVATIONSAMPLE 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

NYSDEC-5



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/Arochlor 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.
- † 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	Analytical		Instrument	Run	M	
							Date	Time				
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		Instrument	Run	M
							Date	Time			
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		Instrument	Run	M
								Date	Time			
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		Instrument	Run	M
							Date	Time			
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	Analytical		Instrument	Run	M
							Dil	Date Time			
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		Instrument	Run	M
							Date	Time			
Chromium	55.6 mg/Kg			0.10	0.58	1	8/8/2008	17:49	SUPERTRACE	108080W	P

Comments:

Wet Chemistry Analysis

19/295

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

20/295

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

21/295

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

22/295

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:



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: 716-691-7997
 Website: www.stl-inc.com

Serial or COC #:

STL JOB/LOG #:

Possible

Hazards:

Sample

Disposal:

PROJECT REFERENCE/NAME <i>R.D. Specialties</i>		PROJECT NO. <i>NY</i>	Project State
STL (LAB) PROJECT MANAGER		P.O. NUMBER <i>RRDS0001</i>	CONTRACT/Quote NO.
CLIENT (SITE) PM <i>Eric Frankenberg</i>	CLIENT PHONE <i>585 278-1151</i>	CLIENT FAX <i>585 278-1150</i>	
CLIENT NAME	CLIENT EMAIL <i>frankenberg@OP-Tech-US</i>		
CLIENT ADDRESS <i>150 Elm Grove Park Rochester, NY</i>			
Samplers Signature & Initials: <i>[Signature] DCF</i>			

LABORATORY SAMPLE ID	SAMPLE TYPE	FIELD FILTERED	MATRIX	REQUIRED ANALYSES																			
				1	2	3	4	5	6	7	8	9	10	11	12								
	Chromium																						
	hex chrome																						

Final Report Type (Circle at least one):
 I II III IV Custom per QAP
 EDD _____ Per _____
 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		SAMPLE IDENTIFICATION	LABORATORY SAMPLE ID	SAMPLE TYPE	FIELD FILTERED	MATRIX	NUMBER OF CONTAINERS SUBMITTED												REMARKS				
DATE	TIME						1	2	3	4	5	6	7	8	9	10	11	12					
8-4-08	0715	210' ditch																					
8-4-08	0720	215' ditch																					
8-4-08	0725	220' ditch																					
8-4-08	0740	North of Schlegel Rd. Direct outfall																					
8-4-08	0748	North of Schlegel Rd. 4' NW of outfall																					
8-4-08	0754	" " " " 5' NE of outfall																					

All samples ASP Cat B

RELINQUISHED BY: (SIGNATURE) <i>Karen Johnson</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES <input checked="" type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	LABORATORY REMARKS: <i>4.0</i>
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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 $150 \text{ mcg}/\text{m}^3$ 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 $150 \text{ mcg}/\text{m}^3$ 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 $150 \text{ mcg}/\text{m}^3$ 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.