WORK PLAN
CONFIRMATORY SOIL SAMPLING
DINABURG DISTRIBUTING SITE
SITE #8-28-103
ROCHESTER, NEW YORK

PREPARED FOR:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
WORK ASSIGNMENT D004440-27

PREPARED BY:

URS CORPORATION
77 GOODELL STREET
BUFFALO, NEW YORK 14203

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1.0 INTRODUCTION

This work plan has been prepared to describe the field activities and deliverables for the confirmatory soil sampling at the former Dinaburg Distributing site. The soil sampling is being performed to determine the current concentrations of soil contaminants at the site and to evaluate the progress of remediation.

2.0 TASK 11 – CONFIRMATORY SOIL SAMPLING

Work will be completed as required under Task 11 of Work Assignment #D004440-27.

Field Activities

URS will procure a hydraulic direct-push (e.g. Geoprobe®) subcontractor to advance 40 borings over an approximate 15-foot square grid pattern at the site (Figure 1). It is estimated that the boring program will be completed in two days. The locations to be sampled will be staked out with a tape measure prior to sampling. Boring locations may be adjusted in the field as necessary to avoid underground utilities. The analytical parameters are listed in Table 1 and sample container, preservation, and holding times are listed in Table 2.

A direct-push subcontractor will provide a truck-mounted hydraulic direct push unit with a crew and the necessary support vehicles and equipment to sustain the crew without delaying the work schedule. The direct push unit shall be free of hydraulic leaks and be in good mechanical condition. The direct push unit shall be capable of advancing macrocore samplers to depths of 13 feet below ground surface (bgs). All direct push unit activities will be supervised by URS. After sample collection, each borehole will be restored to pre-drilling conditions by backfilling with the spoils and/or bentonite, as necessary.

A total of 40 soil samples, plus quality assurance/quality control (QA/QC) shall be collected and analyzed from the 40 boring locations. Borings will be installed to a depth of 10 to

13 feet bgs until the silty clay layer is reached. Each one-foot section of the boring will be screened with a PID. A sample will be collected from the one-foot interval showing the highest PID reading at each of the 40 boreholes. The samples will be placed into 4 oz. Glass jars with teflon caps as shown in Table 2. The samples will be immediately placed into a cooler containing ice and maintained at 4° ± 2° Celsius (C). Samples will be shipped via overnight courier to the laboratory.

The samples will sent to Mitkem Corporation for analysis of VOCs by gas chromatography/mass spectrometry (GC/MS) following SW846 Method 8260B. Upon receipt at the laboratory, an aliquot of each sample will be preserved and stored at 4° ± 2° C. All sample results will be reported on a dry-weight basis.

Reporting

The analytical results will be reviewed for completeness by the URS Project Chemist. A letter report will be prepared to summarize field activities and the analytical results. The letter report will be submitted draft in PDF format for review and comment prior to finalizing.

Investigation Derived Waste

Investigation derived waste (IDW) will be generated during the soill sampling. All soils will be returned to the borehole from which it was extracted. Other waste (i.e., acetated liners, personal protective equipment will be drummed or bagged and disposed of properly by the direct-push subcontractor.

3.0 SCHEDULE

A preliminary schedule for soil sampling activities is presented below.

ACTIVITY	ESTIMATED START DATE	ESTIMATED COMPLETION DATE
1-Geoprobe Sampling	6/18/2008	6/19/2008
2-Receive Analytical Results	6/20/2008	7/21/2008
3-Draft Sampling Report	7/22/2008	8/18/2008
4-Final Sampling Report	9/1/2008	9/12/2008

TABLE 1
SAMPLING SUMMARY
CONFIRMATORY SOIL SAMPLING

Sample Location	Matrix	Parameters	Method
CONFIRMATION SAMPLES			
Location on 15-foot grid as shown on Figure 1	Soil	VOCs	SW846 Method 8260B

VOC – Volatile Organic Compound

TABLE 2
SAMPLE CONTAINER, PRESERVATION, AND HOLDING TIME REQUIREMENTS
DINABURG DISTRIBUTING SITE

ROCHESTER, NEW YORK

Test Type	Container	Preservation	Holding Time*
SOIL SAMPLES			
VOCs	3 x 4 oz. Glass jar, Teflon cap	Cool 4°C	Analyze within 14 days.

VOC – Volatile Organic Compound

*Holding time is from validated time of sample receipt (VTSR) at the laboratory.


BENTON STREET
(40' R.O.W.)
1 STY. BLOCK
No. 1010
2 1/2 STY. FRAME
No. 1018
TREATMENT SYSTEM BUILDING
6FT CHAINLINK FENCE
WATER METER
2' DIA CATCH BASIN
PLANTER
SCALE IN FEET
Legend
Existing Monitoring Well
Utility Pole
Water Valve
Gas Valve
Elec. Pull Box
Spot Elevation
New Extraction Well (MPE or GWE)
PROPOSED SOIL BORING LOCATION
Trench