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ENVIRONMENT

Mr. Larry Alden, P.E.
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, NY 12233-7016

Subject:
Supplemental Soil Sampling
Henry Johnson Boulevard Properties
City of Albany, New York
Project No. E401049

Date:
September 29, 2014

Contact:
Stefan Bagnato

Phone:
518-250-7300

Email:
Stefan.Bagnato@arcadis-us.com

Our ref:
04279009.0000

Dear Mr. Alden:

On behalf of the City of Albany Community Development Agency, ARCADIS of New York, Inc. is pleased to submit this work plan for supplemental soil sampling at the above-referenced site in response to your August 19, 2014 letter.

Subsurface soil samples will be collected from eight locations at the site as shown on Figure 1, to further delineate CVOCs in the vicinity of monitoring wells MW-10R and MW-22R down-gradient of Soil Removal Area 2. Normal utility clearance activities, including reviewing available site drawings and contacting Dig Safely New York, will be conducted prior to beginning the subsurface investigation.

Soil borings will be drilled using direct-push drilling methods from ground surface to approximately 15 feet below ground surface (bgs). Soil samples will be collected continuously from the ground surface to the final depth of each boring using a macro-core sampler. Upon retrieval, each macro-core will be opened and the soil will be screened using a photoionization detector (PID), visually inspected for indications of contamination (e.g., staining and/or sheens) and buried debris, and classified by the on-site field geologist.

Up to two soil samples from each boring will be collected from the unsaturated interval containing the highest PID measurement and/or the greatest evidence of contamination (e.g., staining, sheens, and/or odor). If no contamination is evident, only the depth interval immediately above the water table or refusal depth will be

submitted for laboratory analysis. Grab groundwater samples will be collected at three of the soil boing locations shown in Figure 1 using a peristaltic pump to draw water through the drill rods and a screen point sampler or temporary 1-inch PVC well screen and casing. Samples will be submitted for analysis of Target Compound List (TCL) volatile organic compounds (VOCs) by USEPA Method 8260.

Analytical results will be reported in Analytical Services Protocol (ASP) Category B data packages. A Data Usability Summary Report (DUSR) will be prepared upon the receipt of all analytical data. Sample collection, handling activities, and QA/QC sampling will be conducted in accordance with the NYSDEC-approved project Quality Assurance Project Plan (QAPP).

Upon receipt of the DUSR, a letter report will be submitted to the NYSDEC summarizing the field work and laboratory results.

If you have any questions concerning this matter, please call me or Bruce Nelson at (518) 250-7300.

Sincerely,

ARCADIS of New York, Inc.

Stefan Bagnato, P.G.
Project Geologist

Copies:
Luis Perez, ACDA
Michael Komoroske, NYSDEC

NOTE: Soil PCE concentrations given in µg/kg.

HENRY JOHNSON BOULEVARD

(A.K.A. NORTHERN BOULEVARD)
ASPHALT PAVEMENT

SOIL REMOVAL AREA 2

CONC. CURB

ST. NO. 124 | ST. NO. 126 | ST. NO. 128 | ST. NO. 130 | ST. NO. 132

ST. NO. 339 | ST. NO. 337 | ST. NO. 335 | ST. NO. 333 | ST. NO. 331

CLINTON AVE.
ASPHALT PAVEMENT

SB-42/MW10
5-7': ND
10-12': ND
3-4': 810
SV-7
SB-2
MW-10R
5-7': ND
10-12': ND
SB-43
SV-7R
MW-22R
FORMER BUILDING
SB-1/MW-4R
SV-9R
FOUNDATION REMAINS
BLOCK WALL
IW-1
SV-10
SB-38
7-8': ND
MW-11R
SB-4
0-2': 1,600
7-8': 150
SB-54/MW11
SV-4
SB-63/MW14
BUILDING
BLOCK WALL
BUILDING
SB-40/SV-11
SV-5
BUILDING
SB-61/MW-12
SB-62/MW13
SB-65/MW16
SV-8
VACANT LOT
SB-44/MW-9
CONC. WALL
SB-33/SV-12
SB-15 MW-3
SB-13 MW-1
SB-17 MW-2
MW-2R
SB-28/SV-13
POLE
SB-35/SV-14
SB-26/MW-8

LEGEND

SB-1/MW-4R	REPLACEMENT WELL
SV-7R	REPLACEMENT VAPOR POINT
SB-54/MW-11	SOIL BORING/MONITORING WELL
SB-11	SOIL VAPOR MONITORING POINT
	INJECTION WELL
	LIMITS OF WORK

- PROPOSED SOIL BORING
- PROPOSED SOIL BORING W/ GRAB GROUNDWATER SAMPLING
- 0-2': 1,600 PCE RESULTS FROM RI SAMPLING

10 0 10 20

SCALE: 1" = 20'

CITY OF ALBANY
ALBANY, NEW YORK
HENRY JOHNSON BOULEVARD ERP

PROPOSED SOIL AND GROUNDWATER SAMPLING LOCATIONS

SCALE: AS SHOWN

ARCADIS-US
MARCH 2014
FIGURE 1

User:CADD Spec:ACAD File:G:\ACAD\PROJ\4279\009\HENRY JOHNSON ERP\CHEMOX-BASE.DWG Scale:1:1 Date:03/03/2014 Time:10:37 Layout:Layout

Table 1
Budget Estimate
ARCADIS of New York, Inc.
Supplemental Sampling
Henry Johnson Blvd. Properties ERP (Project #. E401049)

Classification	Hourly Rate
Officer-Manager	$190
Project Scientist	$120
Scientist	$93

Drilling/Soil & Groundwater Sampling				
Task	**Personnel**	**Hours**	**Cost**	
Field Oversight/Sampling	Scientist	10	$930	
Project Management	Project Scientist	1	$120	
Reporting	Scientist	5	$465	
Reporting	Project Scientist	1	$120	
Reporting	Officer-Manager	1	$190	
Subcontractors				
Driller			$2,000	
Laboratory			$1,600	
Data Validation			$400	
		Subtotal	$5,825	
10% Contingency			$583	
		Total	$6,408	Say $6,410

Note:
It is assumed that no IDW will need to be managed off the site