



January 25, 2009

Ms. Sarah Carlson
New York State Department of Environmental Conservation
Division of Environmental Remediation – Region 2
Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101-5407

**Re: NYSDEC Spill #02-01957
Delineation Work Plan
Hess Station #32517
401 West 207th Street
New York, New York**

Dear Ms. Carlson:

The following work plan is presented in response to the New York State Department of Environmental Conservation (NYSDEC)'s request for additional delineation and to address residual BTEX at the above referenced site.

Update Reports submitted to the NYSDEC for the referenced site have historically reported a southeasterly groundwater flow direction.

As a result of residual impact, EnviroTrac is proposing a total of one (1) on-site monitoring well and three (3) to four (4) on-site air sparge wells for this investigation. One (1) monitoring well will be installed within the southeastern-most corner of the property. If during the course of installation of this well impacted soils are encountered, one (1) air sparge well will be installed adjacent to the newly installed monitoring well. One (1) air sparge well will be installed between existing wells MW-2 and SVE-3, one (1) air sparge well will be installed adjacent to MW-12, and one (1) air sparge well will be installed adjacent to MW-4. The installation of the air sparge wells will serve two purposes; they will allow for the documentation of soil conditions in the areas of the site with the highest dissolved concentrations based on current data, and they will allow for short term remediation events or connection to the existing SVE/AS system if recoverable hydrocarbons are present. Results of a private utility markout conducted in 2009 and proposed well locations are depicted in Figure 1.

At each boring/well location, soil will be sampled continuously five (5) feet into the groundwater table and will be screened using a photo-ionization detector (PID). Groundwater in this area ranges from nine (9) to twelve (12) feet below grade. Two (2) soil samples will be submitted from each boring; one sample will be collected at the groundwater interface and the second sample will be from the soil exhibiting the highest PID reading. All samples will be submitted for volatile and semi-volatile organics plus MTBE analyses via the EPA Method 8260 & 8270 STARS Lists. Results of this investigation will be included in the subsequent Update Report.

If you have questions or comments, please do not hesitate to contact me at (631) 924-3001.









Sincerely,




Edward Russo
Senior Project Manager

Enclosure

LEGEND:

- ELECTRIC
- GAS
- WATER
- SEWER
-  MONITORING WELL
-  AS/SVE CLUSTER WELL
-  AIR SPARGE WELL
-  TANK FIELD WELL
-  PROPOSED AIR SPARGE WELL
-  PROPOSED MONITORING WELL
-  = FORMER SITE FEATURE
- AS = AIR SPARGE
- SVE = SOIL VAPOR EXTRACTION
- NSVD = NOT SURVEYED
- NS = NOT SAMPLED
- NM = NOT MEASURED
- J = ESTIMATED VALUE
- ND = NOT DETECTED
- MDL = METHOD DETECTION LIMIT
- NA = NOT ACCESSIBLE
-  INFERRED GROUND WATER FLOW DIRECTION


SAMPLE WELL:

-  MW-5 = WELL ID
- 91.31 = WATER-TABLE ELEVATION
- ND/ND = FEBRUARY 25, 2009
- 1.97/ND = MAY 22, 2009
- ND/ND = AUGUST 28, 2009
- ND/ND = NOVEMBER 22, 2009

BTEX/MTBE RESULTS IN PPB



0 15 FT. 30	
REVISION DATE: DECEMBER 9, 2009	SCALE: 1" = 30 FEET
REVISED BY: TB	

 HESS STATION 32517 - INWOOD
401 W. 207th ST. & 9th AVE
NEW YORK, NEW YORK

RESULTS OF PRIVATE UTILITY MARKOUT
AND PROPOSED WELL LOCATIONS MAP

FIGURE #
1

