STATE SUPERFUND STANDBY CONTRACT WORK ASSIGNMENT

Type of Contract: Cost Plus Fixed Fee
Site Name: 435 Duane Ave, DEC Site No. 4-47-032
NYSDEC Project Manager: Ian Beilby, Bureau D, Section C
Phone: (518) 402-9818

A. Summary of Site History and Background Information

Work Assignment Objective

The 435 Duane Ave site is located in the city of Schenectady, Schenectady County and occupies approximately 1.3 acres. Because of recent property consolidation and development the site is physically located at 445 Duane Ave. There have been numerous owners and commercial activities on the site including a drycleaning establishment. Historical releases of hazardous wastes have caused documented contamination of soil and groundwater at the site.

This work assignment has been prepared to complete the Remedial Investigation and perform a Feasibility Study for the entire 435 Duane Avenue site. This work will define the extent of contamination, the extent of risks associated with the contamination, and evaluate alternatives for remediating the site. The work will be sufficient for the DEC to prepare a Proposed Remedial Action Plan and issue a Record of Decision.

Site Description and History

There is currently a mixed-use metal building on the site that was constructed in 2004-2005 and an asphalt parking lot. The building is a slab-on-grade structure with approximately 10,000 sqft of warehouse space and 500 sqft of office space. Surrounding uses include light manufacturing, parking, housing, and I-890. There is a school/daycare facility approximately 200 meters from the site.

A VCP application that included the site was filed with the DER in 1998. An investigation at that time indicated the presence of a commonly used dry cleaning solvent, Tetrachloroethylene (PCE), which is consistent with the past use of the site as "Kenwood Cleaners" and commonly noted releases of the solvent to the environment at other drycleaning operations. Petroleum related hydrocarbons were also discovered on site though the source is unclear. The VCP application was withdrawn once the contamination was discovered.

An IIWA was initiated in 2005 to confirm the continued existence of PCE and the hydrocarbons. Contamination was again detected in both soil and groundwater, though at lower levels.

Groundwater is between ten and fifteen feet below ground surface (bgs) and flows from east to west; in the direction of I-890 and away from the residential portion of the community.

Also at this depth, there is a uniform clay layer that appears to underlay the entire site.

Potentially Responsible Parties

The ownership history indicates a number of individual, corporate and municipal entities have owned portions of the site at various times. The sole owner of interest was Kenwood Cleaners from 1950 to 1964. No contact information could be located for this entity and the property was transferred to several individuals between 1964 to 1994. The current owner of the entire site is Mr. Bob Moore. Mr. Moore constructed the building that currently occupies the site but at no point operated any machinery or business that might cause the contamination. He has stated that he is unable to undertake an extensive environmental remedial investigation and potential remedy.

Geology and Hydrogeology

The site consists primarily of sandy soil between 10 to 14 feet in thickness. This sandy layer is underlain by a site-wide clay layer of unknown thickness. There is historic fill intermixed with the sand that appears to contain ash and mixed C&D materials. There have been no borings to bedrock so the exact depth to bedrock is currently unknown. Bedrock is, however, visible from the I-890 valley in the vicinity of the site, slightly below ground surface.

The clay layer appears to slope to the south, away from the warehouse building and towards the recently constructed parking lot. The groundwater flows to the south west, generally in the direction of I-890.

Prior Investigation Results

A Phase II Level Investigation was completed in 1998 as part of the VCP application. The investigation revealed the presence of high levels of PCE in the soil and groundwater. SVOC's were also detected on site at elevated levels in the soil. Drawings from this investigation are available though the accuracy is unknown.

An IIWA was completed in 2005 that indicated contamination remained on site. Nine (9) microwells were installed to the clay layer to collect groundwater and soil samples. PCE and break-down products were again detected though at slightly lower levels than those found in the 1998 investigation. An attempt was made to duplicate the sample locations as those in the 1998 investigation, though the lack of site landmarks made it impossible to definitively locate previous sample points. Contamination exceeding criteria was found in the southwest quadrant of the site. VOCs are the primary contaminant of concern. Levels of individual VOCs exceeded 100 ppb in several instances. SVOCs were found approaching 500 ppm in the soil.

A survey of the site was performed as part of the IIWA. The survey included the metal

building and well areal positions and elevations. The survey data was used to develop groundwater flow direction, slope of the clay layer and maps that indicate the presence of contaminated monitoring wells.

Additional Data Requirements

More sampling is necessary to determine the full nature and extent of the contamination. It is not known whether contamination has migrated from the site. Therefore, additional wells must be installed off site to delineate the full extent of the groundwater and soil contamination. The location of off-site points should be determined based on the current groundwater flow, subsurface conditions and existing knowledge of contamination. It is anticipated these additional points will be to the south and west of the site boundaries.

It is unknown whether contamination has penetrated the clay layer that underlies the site. To address this data gap, three monitoring wells should be installed and screened at the rock-overburden interface to determine whether VOCs have migrated vertically. If possible, two down-gradient interface monitoring wells should be installed off-site and groundwater samples collected. The third bedrock well shall be installed on site and up-gradient of the detected VOC contamination. Soil samples shall be collected from all additional well locations and also sampled for TCL VOCs and SVOCs. For budget estimation purposes it is assumed that five (5) additional wells will be installed and at least two rounds of sampling shall be conducted.

The presence of VOCs dictates that soil gas samples must also be collected. Sample locations shall be determined based on the well points where high levels of VOCs were located and the local conditions such as nearby residences, on and off-site structures, and surrounding pavement surfaces. Indoor air and sub-slab sampling at select surrounding structures may also be required. The need for a vapor intrusion survey will be determined as soil gas samples dictate. For budgeting purposes, it is estimated that five (5) sub-slab and five (5) indoor air samples will be collected.

After evaluation of the data from the soil gas survey, a vapor intrusion/indoor air study may be required. Sub-slab and indoor air samples to complete this study must be collected during the heating season, between November 15th and March 31st. Indoor air should be sampled from the basement (if present) and first floor living space. An inventory of substances that may influence the results of the air sampling in the residence or structure should be taken. Indoor air and sub-slab samples shall be collected early in the 2006-2007 heating season as required by NYSDOH protocols.

It is not expected that a Post-Screening Field investigation will be required for the Detailed Analysis of Alternatives. The consultant will develop an RI/FS Work Plan that anticipates the data needed to perform a detailed analysis of remedial alternatives.

B. Scope of Work and Task/Subtask Description

Task 1 - Work Plan Development (to be completed in 12 weeks or less)

Phase A: Scoping & Draft Work Plan

1. The consultant will review all available background information. A preliminary base map will be prepared which shows the locations of past and present site facilities and prior environmental samples. Potential sources and areas of contamination will be identified. Spreadsheets and/or graphic representations will be provided to summarize existing data. These will be available for the scoping session referenced below.

2. A site visit will be scheduled, if necessary, within 2 weeks of the consultant's acceptance of this work assignment. The site visit will be conducted prior to the scoping session with the NYSDEC. Arrangements with the site owner will be made by the NYSDEC Project Manager.

3. A scoping session will be held at the NYSDEC headquarters (625 Broadway, Albany) within 3 weeks of consultant's acceptance of this work assignment. The consultant will provide a summary of the anticipated scope of work and a preliminary cost estimate to the NYSDEC project manager at least one day prior to the scoping session.

4. The Task 1, Phase A deliverable will be a Draft RI/FS Work Plan, to be submitted one week after the scoping session. It will include:

    a) A summary of the overall scope of work for the RI/FS
    b) A brief summary of the known environmental concerns and potential remedial alternatives.
    c) A preliminary Sampling Plan for the RI. The Sampling Plan will include a Field Sampling Plan (FSP) and Quality Assurance Project Plan (QAPP) that are based on site-specific conditions and potential remedial actions for the site. The field sampling plan will include all pertinent information concerning proposed field work, sampling locations and methods, and the number of samples to be collected and analyzed. The Quality Assurance Project Plan will include the parameters to be analyzed and the corresponding analytical methods.
    d) A Detailed Level of Effort (LOE) and budget for Task 1, Phase B: Preparation of the Final RI/FS Work Plan.
    e) A preliminary estimate of the LOE and budget for conducting the remaining tasks in this work assignment.
    f) A preliminary estimate of the work assignment progress schedule, including milestones and deliverables for the RI/FS.
    g) A Project Staffing Plan, identifying key management and technical staff members to be assigned to the work assignment, with resumes and a listing of their areas of responsibility.

h) Identification of work items to be subcontracted, including a Minority- and Women-owned Business Enterprise (M/WBE) Utilization Plan.
i) A draft Citizen Participation Plan.
j) A draft Health and Safety Plan (HASP). The HASP will contain a section on community health and safety, including methods by which the public will be notified in the event of an emergency and corresponding monitoring information, contaminant action levels, and evacuation procedures.

Phase B - Final Site-Specific RI/FS Work Plan

1. Within 2 weeks after receipt of NYSDEC comments, the consultant will submit the Final RI/FS Work Plan. The Final RI/FS Work Plan and budget must be acceptable so that a Notice to Proceed can be issued within 90 days of the issuance of this Work Assignment. The Final Work Plan will include the following:

   a) A final Field Sampling Plan
   b) A detailed Work Assignment level of effort and budget for the entire RI/FS
   c) A final progress schedule for the RI/FS
   d) A final Citizen Participation Plan
   e) A final Health & Safety Plan

   The Final Work Plan will indicate the analytical laboratory to be used for sample analysis. The laboratory must comply with the requirements of the NYSDEC document "Analytical Laboratory Terms, Division of Environmental Remediation". The analytical laboratory must also comply with the NYSDEC requirements for maintaining NYSDOH ELAP certification in all categories of CLP analysis for the duration of the project.

2. If necessary, a meeting between the consultant and NYSDEC staff will be held in Albany to review comments on the Draft Work Plan.

3. Once the RI/FS Work Plan is approved by the NYSDEC, a Notice to Proceed (NTP) will be issued to the consultant for the RI/FS to be performed (Tasks 2 & 3).

Task 2 - Remedial Investigation

Field investigations will be conducted to determine the extent of contamination at the site and to determine the extent to which these contaminants pose a threat to human health or the environment. New York State Standards, Criteria and Guidelines and remediation goals will be identified and compared with existing on-site conditions to form a basis for selection of remedial measures. The consultant will perform the following subtasks to achieve these objectives:

1. Base Map Development - The preliminary base map developed during Task 1 will be finalized.

2. Existing Well Survey - Existing groundwater monitoring wells will be evaluated for integrity and suitability for water level measurement and sampling, as necessary. Any damaged wells will be rehabilitated if feasible and as necessary for the investigation.

3. Water Level Survey - To determine groundwater flow conditions, water levels in selected wells, including newly installed monitoring wells will be measured at the time they are sampled.

4. Well Installation, Soil Sampling and Analysis - subsurface soil samples shall be collected from soil borings where new monitoring wells are to be installed and analyzed for the full Target Compound List of VOCs/SVOCs by NYSDEC ASP methods. At least one sample from each boring shall be collected.

5. Groundwater Sampling and Analysis - An estimated fifteen (15; 9 existing, 5 new) monitoring wells will be sampled and analyzed for the full Target Compound List of VOCs/SVOCs by NYSDEC ASP methods. A sufficient number of QA/QC samples, including one blind duplicate, will also be obtained.

6. Soil Gas Survey - Soil gas samples should be taken around the site, where possible, and off-site to determine upgradient and downgradient concentrations. Samples shall be collected in accordance with NYSDOH and NYSDEC guidance.

7. Data Validation/Usability Report - All sampling results will be validated by a party that is independent of the laboratory which performed the analysis. A Usability analysis will be conducted by the consultant's Quality Assurance Officer, and a Data Validation/Usability Report will be submitted to the NYSDEC.

8. Health and Environmental Exposure Assessment - A detailed Health and Environmental Exposure Assessment (HEEA) will be performed. Prior to initiating the HEEA, the consultant will submit a proposed Scope of Work for this subtask to the NYSDEC for approval. The HEEA is to address the potential exposure routes for contaminants and identify the potentially affected on-site and off-site receptors.

9. Standards, Criteria and Guidance (SCGs) - SCGs for each contaminant detected in each medium will be identified and compared to site conditions.

10. Draft RI Report - The Consultant will prepare a detailed draft Remedial Investigation Report **at the conclusion of the hydrogeologic and soil gas investigation**. The consultant is expected to prepare an initial draft with one (1) complete revision as outlined in the "DER-10." The Report shall also include data gaps, if any, and any need for Interim Remedial Measures (IRMs). The Report will include at a minimum:
    a. The work plan and any deviations from the work plan.
    b. The data collected.
    c. Interpretation of the data.

d. Site survey and basemap.
e. Conclusions and recommendations, including recommendations regarding the vapor intrusion study, appropriate to potential exposure target.
f. All field notes.

The findings of the report must be reduced by the Consultant, analyzed, and made available to the NYSDEC and NYDOH for review. Soil sample locations, microwell locations and any other sampling points must be established by a New York State licensed surveyor. A basemap of the site and immediate vicinity will be developed. Tax maps will be referenced to the North American Vertical Datum (NAVD) 88 and all horizontal locations will be referenced to the North American Datum (NAD) 83.

The Consultant will submit the initial draft of the report electronically (WordPerfect 11 or compatible format). Tables and spreadsheets will also be submitted electronically (Corel QuattroPro version 11 or compatible). Survey data should be submitted in electronic format for use in the NYSDEC GIS. The data should include survey points for on-site structures, sample points, monitoring wells, and property boundaries.

11. Meeting in Albany/Final RI Report - After the draft RI report is reviewed by the NYSDEC and NYSDOH, a meeting will be held at the NYSDEC headquarters in Albany to determine whether additional RI activities are required and to finalize the scope of the Feasibility Study.

12. Public Participation - At the completion of the RI, a public information meeting may be held near the site. The consultant will assist the NYSDEC and the NYSDOH with the preparation and the presentation of the RI data at the meeting, if necessary.

Task 3 - Feasibility Study

To be protective of human health and the environment, an evaluation of remedial alternatives for contaminated site media will be completed. To meet the Remedial Action Objectives for the site, the consultant will conduct a Feasibility Study. This study will include the following:

1. Development of Remedial Alternatives - Using information generated in Tasks 1 and 2, the consultant will develop a list of potential remedial alternatives that may be used to remediate the site.

2. Screening of Alternatives - The alternatives will be screened based on effectiveness, implementability and cost. The initial list of remedial alternatives and the screened list, along with discussion and justifications, will be submitted in the form of a Preliminary Screening of Alternatives Report to the NYSDEC Project Manager for review. Upon completion of this task, the consultant will meet with NYSDEC representatives to review the screening process and examine the alternatives that pass the screening.

3. Detailed Analysis of Alternatives - Following authorization from the NYSDEC Project Manager, the consultant will perform a detailed analysis of the remaining remedial alternatives. Each alternative will be first evaluated against the following criteria, and then a comparative analysis will be performed.

   - Overall protection of human health and the environment
   - Compliance with SCG's
   - Long term effectiveness and permanence
   - Reduction of toxicity, mobility and volume
   - Short term effectiveness
   - Implementibility
   - Cost

4. Recommendation and PRAP Support - The consultant will prepare and submit a Draft FS Report under a separate cover letter which includes the work performed in subtasks 3-1 through 3-3. Upon review of the Draft FS report by the NYSDEC, the consultant will prepare a Final FS Report and, under a separate cover letter, recommend a preferred alternative that fulfills the requirements of 6NYCRR Part 375 and is consistent with the National Contingency Plan (NCP). The consultant will provide additional data and analysis as necessary for the NYSDEC to prepare a Proposed Remedial Action Plan (PRAP).

5. Public Participation - At the completion of the RI/FS, a public meeting will be held near the site to present the FS and preferred alternative. The consultant will assist the NYSDEC and the NYSDOH with the preparation and the presentation of the RI/FS at the meeting if necessary.

Task 4 - Vapor Intrusion Study (IF REQUIRED)

NYSDEC and DOH will review the Draft RI Report and determine if a vapor intrusion (VI) study is required. If necessary, the scope of the VI Study will be determined based upon recommendations made by the consultant in the Draft RI Report and applicable standards, criteria, and guidance. The Remedial Investigation Work Plan will be amended to include a VI study.

This portion of the work assignment includes budgeting for structure sampling of approximately 5 structures located in the vicinity of the 435 Duane Avenue Site. At the direction of the Department, indoor air, ambient air and sub-slab soil vapor gas sampling will be executed. The protocol for this effort shall follow the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, Draft, February 2005. (SVI Guidance). The turnaround time for all preliminary sample results will be two weeks.

The sampling will be conducted in a continual phase program where the future sample locations will be selected based on the data evaluation of the Draft Final RI/FS Report. Additional sampling phases will be required if the State finds it necessary to further delineate the soil vapor plume.

Prior to the structure air sampling, an inspection of general site conditions will be performed at each property location. The pre-sampling inspection will determine the locations for the indoor air and outdoor air sampling. The inspection will include the completion of a chemical product inventory, ambient air PID readings, and the completion of a property owner questionnaire. The appropriate field forms for the chemical product inventory and property owner questionnaire shall be obtained from the SVI Guidance.

Three types of samples will be collected at each structure location: indoor air; sub-slab soil vapor; and outdoor air. The following items shall be completed to accomplish the VI Study:

1. Draft Amended RI/FS Work Plan

   The RI/FS work plan shall be amended to include the VI Study. All items in Task 1 shall be revised as necessary and presented to the NYSDEC as a draft amended work plan so the NYSDEC and NYSDOH may review the workplan and provide comments.

2. Final Amended RI/FS Work Plan

   1. Within 2 weeks after receipt of NYSDEC comments on the Draft Amended RI/FS Work Plan, the consultant will submit the Final Amended RI/FS Work Plan. The Final Amended RI/FS Work Plan and budget must be acceptable so that an NTP can be issued prior to the 2006/2007 heating season. The final work plan will include the following:

      a) A Final VI Field Sampling Plan
      b) A detailed Work Assignment level of effort and budget for the entire VI Study
      c) A final progress schedule for the VI Study
      d) A final Health & Safety Plan

      The Final Amended RI/FS Work Plan will indicate the analytical laboratory to be used for sample analysis. The laboratory must comply with the requirements of the NYSDEC document "Analytical Laboratory Terms, Division of Environmental Remediation." The analytical laboratory must also comply with the NYSDEC requirements for maintaining NYSDOH ELAP certification in all categories of CLP analysis for the duration of the project.

   2. If necessary, a meeting between the consultant and NYSDEC staff will be held in Albany to review comments on the Draft Work Plan.

   3. Once the VI Study Work Plan is approved by the NYSDEC, an NTP will be issued to the consultant for the VI Study to be performed (Task 4).

3. Indoor Air Sample Collection:

Two (2) indoor air samples will be collected from each residential property including one within the basement area and one within the first floor. If the residential property does not contain a basement, only a first floor indoor air sample will be collected.

All indoor air samples will be collected with a laboratory-certified Summa canister regulated for a **24-hour** sample collection. A section of disposable Teflon tubing or laboratory food grade polyethylene will be extended from the Summa canister to collect the sample from the breathing zone at four to six feet above the floor.

The analysis for indoor air samples will achieve detection limits of 1.0 ug/m^3 for each compound except for TCE which will have a detection limit of 0.25 ug/m^3. For specific parameters identified by the NYSDOH, where the selected parameters may have a higher detection limit, i.e., acetone, the higher detection limits will be designated by the NYSDOH.

4. Sub-Slab Soil Vapor Sample Collection:
One (1) sub-slab soil vapor sample will be collected from beneath the basement flooring/foundation slab of the residential property.

After the basement flooring/foundation slab has been inspected, the location of subsurface utility determined, and the ambient air surrounding the proposed sampling screened with a PID, a hammer drill will be used to advance a boring to a depth of approximately six inches beneath the basement flooring/foundation slab.

The annular space between the 1 inch hole and the 3/8 inch tubing will be filled with filter sand and sealed with beeswax at the ground surface. The tubing will be connected to a PID. Approximately 1 liter of gas will be purged from the subsurface probe using the PID. The PID readings will be observed and the highest will be recorded on the appropriate field form. The air sampling pump will be disconnected and the end of the tubing will be connected directly to the Summa canister intake valve. Flexible silicone tubing will be used at a minimum and as a tubing adapter only. The sample shall be collected with a laboratory-certified Summa canister regulated for a **24-hour** sample collection.

The analysis for sub-slab soil vapor samples will achieve detection limits of 1.0 ug/m^3 for each compound. For specific parameters identified by the NYSDOH, where the selected parameters may have a higher detection limit, i.e., acetone, the higher detection limits will be designated by the NYSDOH.

5. Outdoor Air Sample Collection:
All outdoor air samples will be collected with a laboratory-certified Summa canister regulated for a **24-hour** sample collection. A section of disposable Teflon tubing

will be extended from the Summa canister to collet the sample from the breathing zone at four to six feet above the ground.

The analysis for outdoor air samples will achieve detection limits of 1.0 ug/m^3 for each compound except for TCE which will have a detection limit of 0.25 ug/m^3. For specific parameters identified by the NYSDOH, where the selected parameters may have a higher detection limit, i.e., acetone, the higher detection limits will be designated by the NYSDOH.

6. Vapor Intrusion Sampling Data Validation/Usability Report
All samples collected must be validated by a party that is independent of the laboratory which performed the analyses and the consultant which performed the fieldwork. A usability analysis will be conducted by a qualified data validator and a Data Validation/Usability Report will be submitted to the NYSDEC.

7. Vapor Intrusion Sampling Reporting
Reporting will be provided and will include information pertaining to the installation, collection and sampling of the properties. All appropriate text, data and figures will be compiled and provided to the NYSDEC. No conclusions shall be contained within the reports. A database shall also be included compiled from data validated by a qualified data validator. The required format for the data tables will be provided by the NYSDOH. The reports will be required to be issued in both Confidential Version (containing personal addresses, etc.) and Non-Confidential Version (containing coded sample ids and locations) and in hard copy and electronic format.

C. Miscellaneous

1. Progress Reports - A monthly progress report and monthly cost control reports shall be submitted. Costs shall be accounted for in the categories (Tasks and Sub-Tasks) specified in the Estimated Work Assignment Budget table included with this work assignment.

2. Period of Performance - The work assignment, including the VI Study if required, shall be completed within 425 days (14 months) of the RI/FS Notice to Proceed. A project schedule is appended to this work assignment.

3. Work Plan Development Cost Authorization
A total of $8500.00 is authorized for development of the RI/FS work plan. A breakdown of this and other estimated project costs is appended to this work assignment.

Estimated Work Assignment Budget

The cost estimates presented below contain contingencies for surveying/base map preparation and a Health and Environmental Exposure Assessment, as discussed above. Costs for sample analysis are based on analysis of soil, groundwater, soil gas and indoor air and associated QA/QC samples for volatiles and semivolatiles. Upon review of existing data, the list of analytes for all or part of these samples may be reduced.

Major Tasks	Description		LOE Estimate (hours)	Cost Estimate
Task 1	**Develop Detailed Work Plan**		***120***	***$ 8,500***
Task 2	**Remedial Investigation**		***300***	***$ 57,000***
	2.1-2.3	Preliminary Work		
	2.4-2.5	Monitoring Well Installation & Sampling		
	2.6	Soil Gas Sampling		
	2.4-2.6	Analysis		
	2.8	Data Validation		
	2.9	Health & Environmental Exposure Assessment		
	2.11-2.12	Final Report		
		Miscellaneous		
Task 3	**Feasibility Study**		***240***	***$ 17,000***
	3.1-3.2	Alternative Development & Screening		
	3.3	Alternative Analysis		
Task 4	**Vapor Intrusion Study**		***250***	***$ 28,000***
	4.1	Amended Work Plan		
	4.2-4.5	Indoor & Outdoor Air & Sub-Slab Soil Gas Sampling		
		Analysis		
	4.6	Data Validation		
	4.7	Final Report		
Total				***$ 110,500***

Preliminary Project Schedule with Designated Milestones:

Project Milestone	Date	Duration
Issuance of a Work Assignment (WA)		
Acknowledge Receipt of WA		10 Days after WA issuance
Site Visit		2 weeks after WA issuance
Scoping Session		3 weeks after WA issuance
*Submit Draft RI/FS Work Plan (WP)		1 week after scoping session
NYSDEC Comments on Draft WP		4 weeks after receipt
Submit Final RI/FS WP		2 weeks after NYSDEC comments
*Issue Notice to Proceed (NTP)		1 week after receipt of Final WP
**Submit Draft Remedial Investigation Report		3 months after NTP
NYSDEC Comments on Remedial Investigation Report - **Decision regarding VI Study**		4 weeks after receipt
*Submit Final RI Report *Submit Draft Amended WP*		2 weeks after NYSDEC comments *4 weeks after VI Study decision*
Approval of RI Report *NYSDEC Comments on Draft Amended WP*		1 week after receipt *4 weeks from Draft amended WP Submittal*
RI Report Public Meeting *Submit Final Amended WP*		2 weeks after RI Report Approval *2 weeks after NYSDEC Comments*
*Submit Preliminary Screening of Alternatives *Issue NTP*		4 weeks after RI Report Approval *1 week after receipt of final WP*
DEC Comments on Alternatives Screening *Submit Draft VI Study Report*		2 weeks after receipt *3 months after NTP (Heating Season)*
**Submit Draft FS Report *VI Study NYSDEC Comments*		8 weeks after DEC comments *4 weeks after receipt of draft report*
DEC Comments on Draft FS Report *Final VI Study Report*		3 weeks after receipt *2 weeks after NYSDEC comments*
*Submit Final RI/FS Report		2 weeks after DEC comments
DEC issues PRAP		2 weeks after receipt of Final FS
PRAP Public Meeting		2 weeks after PRAP issued
*DEC issues ROD		60 days after PRAP issued

WA - Work Assignment
NTP - Notice to Proceed
VI - Vapor Intrusion

* - Project Milestone
** - Project Milestone requiring Performance Evaluation