

WORK PLAN
FOR
WORK ASSIGNMENT NO. SERAS-149.1
AMENDMENT 1
PENINSULA BOULEVARD SITE
APRIL 7, 2013

**AMENDED WORK PLAN
PENINSULA BOULEVARD SITE**

**Prepared for
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA)/
ENVIRONMENTAL RESPONSE TEAM (ERT)**

Date: April 7, 2013
Contract No: EP-W-09-031
Assignment No.: SERAS-149.1

Approval:

SERAS Task Leader _____ **Date:** _____

SERAS Deputy Program Manager _____ **Date:** _____

SERAS Program Manager _____ **Date:** _____

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Work Assignment Number:	SERAS-149.1
Work Assignment Title:	Peninsula Boulevard Site
Work Assignment Manager:	Jeff Catanzarita
Lockheed Martin SERAS Task Leader:	Jean Bolduc
Duration:	October 12, 2011 through September 22, 2014
Contract Number	EP-W-09-031
Site ID:	02ZZ

INTRODUCTION

Purpose. Under Work Assignment (WA) Amendment 1, Scientific, Engineering, Response and Analytical Services (SERAS) personnel will provide assistance to the Environmental Protection Agency/Environmental Response Team (EPA/ERT) to perform a Membrane Interface Probe Hydraulic Profile Tool (MiHpt) survey in the vicinity of the Peninsula Boulevard Site (Site) within the Hamlet of Hewlett, Nassau County, New York (NY). This work will be conducted by Lockheed Martin/SERAS personnel in consultation with the ERT Work Assignment Manager (WAM).

Background. Remedial Investigation (RI) of the Peninsula Boulevard Site identified groundwater contaminated with tetrachloroethylene (PCE), PCE breakdown products and low levels of other volatile organic compounds (VOCs). The contaminated groundwater at the site has been designated as Operable Unit 1 (OU 1). The source of OU 1 has not yet been identified. Analytical results from soil gas and groundwater sampling conducted by SERAS personnel in 2012 indicate the potential sources may be hydraulically upgradient dry cleaners (two sites). EPA is currently conducting a RI to identify and delineate the potential contamination sources designated as OU 2.

General Assumptions. No change under this amendment.

TECHNICAL APPROACH

Task 1 through 10 have been completed. Amendment 1 provides additional LOE hours and resources for Tasks 11 through 13.

Task 11: Administrative. A health and safety plan (HASP) modification will be prepared, reviewed, and approved prior to field activities. A revised Uniform Federal Policy-Quality Assurance Project Plan (UFP-QAPP) and amended work plan will be prepared and submitted. Lockheed Martin (LM)/SERAS will procure vendors capable of providing MiHPT survey and private utility markout services. Additionally, LM/SERAS will schedule the MiHPT contractor with sufficient advance notification enabling them to contact the State-sponsored public utility clearinghouse, New Jersey One Call, for all public utility clearances prior to mobilizing to the site.

Task 12: MiHPT Survey. Areas around two dry cleaners where high concentrations of VOCs were detected in soil gas by LM/SERAS will be surveyed using a MiHpt. The MiHpt survey will be conducted using the standard array of detectors which will include a halogen specific detector known as an XSD for chlorinated hydrocarbons. The MiHpt probe will be pushed to the depth of refusal/limit of the trunkline or shallower as warranted by the XSD response data. All MiHpt boreholes will be abandoned in accordance with specifications issued by the New York State Department of Environmental Conservation (NYSDEC). The

SERAS-149-DWPA1-040713

coordinates of each MiHpt borehole location will be obtained by LM/SERAS using a handheld Global Positioning System (GPS).

Task 13: Reporting. LM/SERAS will prepare and submit a Trip Report to the ERT-Information Management System (IMS) website. In addition, LM/SERAS will submit sections (i.e., text, tables, figures, and appendices) of the Trip Report on compact disc(s) in a format the WAM has previously requested. Included on the disc(s) will be computerized visualizations and cross sections of the MiHPT survey results prepared using C Tech’s MVS software or a comparable data visualization package.

Quality Assurance Project Plan. Project management, measurement, assessment and usability elements applicable to this WA are included in the site-specific amended UFP-QAPP.

Standard Operating Procedures (SOPs). Any procedural SOPs and Administrative Procedures (APs) relevant to this WA are included in the site-specific QAPP. The following SERAS health and safety SOPs will be used for this WA:

- 3001, *SERAS Health and Safety Program, Policy and Implementation*
- 3011, *SERAS Respiratory Assessment, Inspection, Selection, Use and Maintenance Program*
- 3012, *SERAS Health and Safety Guidelines for Field Activities*
- 3016, *SERAS Personal Protective Equipment Program*
- 3020, *SERAS Inclement Weather and Temperature Extremes*

STAFFING PLAN AND SCHEDULE

Staffing Plan. The following SERAS personnel will provide WA support:

<u>Personnel</u>	<u>Responsibility</u>	<u>Level</u>
Hydrogeologist	TL/Project Management/Vendor Oversight	***
QA/QC Officer	WP/QAPP/Deliverable Review	****
Health and Safety Officer	HASP Review/PPE Selection/H&S Oversight	****
Program Manager	Deliverable Review/Project Oversight	****
Deputy Program Manager	Deliverable Review	****
Business Manager	TCE Preparation/Financial Oversight	***
Purchaser/Procurement	RFQs/Vendor Purchase Orders	***
Clerical	Deliverable Preparation/Archival	#
Administrative Support	Logistical and Administrative Support	**
AutoCAD/GIS	Figure/Map Preparation	***

Other SERAS technical and/or administrative personnel may work on this project as needed.

Schedule of Activities and Deliverables. Amendment 1 was received on March 27, 2013. This WP was initiated within 20 days after receiving the amended WA. The project completion date is September 22, 2014. The tentative schedule of activities and deliverables is as follows:

<u>Deliverable #</u>	<u>Activity/Deliverable</u>	<u>Estimated Date of Performance/Delivery</u>
SERAS-149-DWPA1-040713		

149-001	HASP, Modification 1	Prior to June 3, 2013
149-002	WP, Amendment 1	April 16, 2013
149-003	UFP QAPP, Revision 1	Prior to June 3, 2013
	MiHPT Survey	No later than week of June 3, 2013
149-004	Trip Report, Amendment 1	No later than 30 days after completion of the MiHPT survey

All project deliverable dates are estimated based on the information available at the time of amended WP completion. New information, additional tasks, and events outside SERAS control may result in revisions to these dates.

All deliverables will be submitted in electronic format to the WA ERT-IMS website.

Training and Conference, Meeting, Seminar Attendance. No Changes under this Amendment.

LEVEL OF EFFORT AND COST PROJECTIONS

The estimated cost (including LOE, travel, materials, equipment and vendor services) to complete this project through September 2014 is given in the attached cost summary sheet. Photo-documentation, computer graphics and support, report preparation and purchasing support will be required to accomplish WA objectives. LOE for these activities are included in the attached cost summary.

Purchased Services. A private utility locator will be obtained to provide utility mark-outs of the three site properties. The estimated additional cost for these services is \$2,500. An outside vendor will be retained to conduct a MiHPT survey. The estimated cost for this service is \$55,000.

Travel Assumptions. Travel assumptions are as follows for this WA:

Number of trips from Edison, NJ to Hewlett, NY:	2
Number of days per trip:	5
Number of personnel:	1