



CH2M HILL  
5700 Cleveland St.  
Suite 101  
Virginia Beach, VA 23462  
Tel 757.518.9666  
Fax 757.497.6885

February 5, 2010

390243.SI.WP.P1

Mr. Walter Bell, P.E.  
NAVFAC MID LANT OPHE3  
1510 Gilbert Street, Bldg N-26, Rm 3300  
Norfolk, VA 23511-3095

Subject: Final Quality Assurance Project Plan , Site Inspection, Phase 1 Underwater  
Geophysical Survey, MRP Area UXO-001, St. Juliens Creek Annex, Chesapeake,  
Virginia  
Contract N62470-08-D-1000  
NAVFAC CLEAN 1000 Program, Contract Task Order WE10

Dear Mr. Bell:

Enclosed are two hard copies of revised worksheets and an appendix of the above-referenced plan for MRP Area UXO 0001, St. Juliens Creek Annex, Chesapeake, Virginia. Copies are being sent to Mr. Robert Stroud of EPA (Region III) and Ms. Karen Doran of VDEQ and as outlined on the distribution list below. The revisions are in response to a change in approach and equipment that will be used during the investigation due to a change in the site conditions; it was determined that the equipment originally identified for conducting the investigation was insufficient and incapable of meeting the project objectives given the current site conditions.

The revised worksheets and appendix are to replace those that are currently in your hard copies of the plan. The following changes were made:

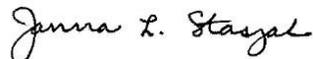
- Worksheet #11; page 33 of the plan; first and second bullets under types of data to be collected - the bathymetry of the river bottom will be collected in addition to the side scan sonar. The bathymetry data will be used by the subcontractor to develop the survey lanes for the underwater digital geophysical mapping (DGM) survey.
- Worksheet #11; page 33 of the plan; fourth bullet under types of data to be collected - preliminary bathymetry data collected for the river bottom indicated the river bottom has several sharp drops throughout the DGM survey area. Although all practical efforts will be taken to keep the DGM equipment as close to the river bottom as possible, abrupt changes in bathymetry may lead to the sensors being up to 10 feet from the bottom of the river; the plan originally indicated the sensors will

be within 5 feet of the river bottom. The sensor array that will be used during the survey will be able to provide usable data within 10 feet of the river bottom.

- Worksheet #17; page 51 of the plan; Table 17-1 - The equipment that will be used during the side scan and DGM survey has changed since the distribution of the plan. As such, the Standard Operating Procedures (SOPs) related to using the equipment has changed as well. Therefore, the SOP numbers in the table have changed to reflect the current SOPs.
- Worksheet #17; page 52 of the plan; third paragraph on the page - Blind QC seeds will not be installed on the river bottom, as previously discussed with the partnering team. The inclusion of this paragraph was accidental and it has been removed in the change page. Since this deletion caused the text to shift up on the pages, the entire Worksheet #17 has been reprinted and distributed.
- Worksheet #18; page 55 of the plan; Table - The SOP numbers in the table have been update to reflect the current SOPs.
- Worksheet #21; page 61 of the plan; Table - The SOP names and numbers in the table have been update to reflect the current SOPs.
- Worksheet #35; page 93 of the plan; Table - The SOP numbers in the table have been update to reflect the current SOPs.
- Appendix A - The SOPs for the magnetometer and side scan sonar surveys have changed and need to be replaced.

Please provide concurrence with this document as soon as possible, as field work is scheduled to begin on Wednesday, February 10, 2010. If you have any questions or comments regarding the enclosed document, please contact me at (757) 671-6256 or Tim Wenk, the Project Manager, at (757) 671-6265.

Sincerely,  
CH2M HILL



Janna Staszak, P.E.  
Activity Manager

cc: Mr. Robert Stroud/EPA (Region III) (1 CD)  
Ms. Karen Doran/VDEQ (2 hard copies and 2 CDs)  
Mr. Tim Wenk/CH2M HILL (1 hard copy and 1 CD)  
Ms. Adrienne Jones/CH2M HILL (cover letter only)  
Ms. Bonnie Capito/NAVFAC (1 hard copy and 1 CD)  
Ms. Tina Barnes/NAVFAC (cover letter only)