



TETRA TECH

PHIL-22688

January 28, 2009

Project Number 112G01475

Naval Facilities Engineering Command Mid-Atlantic  
Northeast IPT  
9742 Maryland Avenue  
Norfolk, Virginia 23511-3095

Attn: Mr. Roberto Pagtalunan, P.E.

Reference: CLEAN Contract No N62467-04-D-0055  
Contract Task Order (CTO) No. 534

Subject: Submission of Quarterly Report  
Reporting Period October 2008 through December 2008  
Naval Weapons Station Earle, Colts Neck, New Jersey

Dear Mr. Pagtalunan:

Tetra Tech NUS, Inc. (Tetra Tech) is pleased to submit the enclosed Quarterly Report for the Reporting Period October 1, 2008 through December 31, 2008. The report details the Installation Restoration Program (IRP) activities conducted at the Naval Weapons Station (NWS) Earle, Colts Neck, New Jersey during the subject period.

Per your request, copies of this report are being forwarded under cover of this letter to Ms. Jessica Mollin at EPA Region 2 and Ms. Erica Bergman at NJDEP.

Thank you for the opportunity to submit this document. Should you have any questions or require additional copies please do not hesitate to contact me.

Sincerely,

*Mary M. Mang*

Mary M. Mang, CHMM  
Project Manager

MMM/nfs

Enclosure

c: Eric Helms (NWS Earle) (2 copies)  
Bonnie Capito (NAVFAC Lant) (no enclosure)  
Jessica Mollin (EPA) (3 copies)  
Erica Bergman (NJDEP) (3 copies)  
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**Naval Weapons Station Earle  
Colts Neck, New Jersey**

**Quarterly Report  
Reporting Period October 1, 2008 through December 31, 2008**

This report details the Installation Restoration Program (IRP) activities conducted by the Navy during the period of October 1, 2008 through December 31, 2008 at the Naval Weapons Station (NWS) Earle located in Colts Neck, New Jersey.

**SITE-WIDE**

On October 1, 2008, the Navy submitted to EPA and NJDEP the Site Management Plan (SMP) for Fiscal Years 2008 through 2012. The Navy uses the report as a management tool for planning environmental investigation and remedial response activities that are expected to be conducted at the NWS Earle Environmental Restoration sites during the planning period. The Navy had previously submitted the Draft Site Management Plan for Fiscal Years 2007 through 2011 for NWS Earle to the EPA and NJDEP on March 22, 2007. To date, the Navy has received no comments from EPA or NJDEP on the Fiscal Years 2007 through 2011 SMP.

Work continued on preparation of response submittals for the Draft Groundwater Classification Exception Area (CEA) Documentation reports for Sites 6 (OU 9), 13 (OU 5), 17 (OU 9) and 26 (OU 3 and OU 7). Work was also initiated on preparation of the CEA Documentation Reports for Sites 4 and 5 (OU 1) and Sites 3 and 10 (OU 6), and Site 19 (OU 2). Tetra Tech is currently preparing the formal responses and submissions for the various sites.

**OPERABLE UNIT 1 (SITES 4 and 5)**

The Navy conducted annual long-term monitoring at Sites 4 and 5 during the reporting period. ECOR Solutions Inc. (ECOR), a Navy contractor, collected the groundwater samples during the last week of October/first week of November 2008. The samples were submitted to STL Labs for analysis. Results are still pending.

**OPERABLE UNIT 2 (SITE 19)**

The Navy conducted annual long-term monitoring at Site 19 during the reporting period. ECOR collected groundwater, surface water and sediment samples during the last week of October/first week of November 2008. The samples were submitted to STL Labs for analysis. Results are still pending.

Tetra Tech has initiated preparation of the draft Site 19 Groundwater Classification Exception Area Documentation Report as recommended in the Second Five-Year Review Report (2008).

**OPERABLE UNIT 3 (SITE 26)**

The Navy conducted a round of post-operation groundwater sampling at Site 26 in accordance with the recommendations in the March 2006 *Annual Report for Four Post-Operation Groundwater Sampling Rounds in 2005*. The Navy is currently conducting monitoring on a frequency of once every 15 months for natural attenuation of site-related chlorinated hydrocarbons. The Navy's contractor ECOR conducted a round of groundwater sampling during the first week of November 2008 and submitted the samples to ALS Labs for analysis. Results are still pending.

The Addendum to the Draft Classification Exception Area (CEA) Documentation Report for Site 26 was submitted to NJDEP in November 2006. Comments were received from the NJDEP on June 25, 2008 and are being addressed as noted above.

**OPERABLE UNIT 5 (SITE 13)**

The Navy conducted annual long-term monitoring at Site 13 during the reporting period. ECOR collected groundwater samples during the last week of October/first week of November 2008. The samples were submitted to STL Labs for analysis. Results are still pending.

Based on NJDEP comments received by the Navy on August 28, 2008, on the June 2005 Operations and Maintenance Manual the report was revised and submitted as final to EPA and NJDEP. The Final Operations and Maintenance Manual was submitted on October 22, 2008.

NJDEP comments were received on the CEA Investigation Report on June 25, 2008 and are being addressed as noted above.

**OPERABLE UNIT 6 (SITES 3 and 10)**

The Navy conducted annual long-term monitoring at Sites 3 and 10 during the reporting period. ECOR collected groundwater samples during the last week of October/first week of November 2008. The samples were submitted to STL Labs for analysis. Results are still pending.

**OPERABLE UNIT 7 (SITE 26 PCE PLUME)**

No new activities were conducted during the reporting period for OU 7.

**OPERABLE UNIT 8 (SITES 1 and 11)**

The Navy and Tetra Tech continued work on preparation of a Sampling and Analysis Plan for Site 1 Groundwater. The Navy is currently reviewing the plan. Upon completion of Navy review, it will be submitted to EPA and NJDEP for review and comment.

The Addendum to the Draft Classification Exception Area (CEA) Documentation Report for Site 1 was submitted to NJDEP in November 2006. Comments were received from the NJDEP on June 25, 2008. Work on the revised report is on hold pending completion of the proposed groundwater sampling.

Site 11 is a no further action site.

**OPERABLE UNIT 9 (SITES 6, 12, 15, and 17)**

The Addendum to the Draft Classification Exception Area (CEA) Documentation Report for Site 6 was submitted to NJDEP in November 2006. Comments were received from the NJDEP on June 25, 2008 and are being addressed as noted above.

The Addendum to the Draft Classification Exception Area (CEA) Documentation Report for Site 17 was submitted to NJDEP in November 2006. Comments were received from the NJDEP on June 25, 2008 and are being addressed as noted above.

**OPERABLE UNIT 10 (SITE 7)**

During the previous reporting period, the Navy prepared the Draft Proposed Remedial Action Plan (PRAP) for OU 10. The Draft PRAP was submitted to the EPA and NJDEP for review and comment on September 11, 2008. On October 7, 2008, Tetra Tech submitted to NJDEP a summary table of the

historical groundwater sampling results for Site 7 as requested by NJDEP. EPA comments were received on the Draft PRAP on October 24, 2008; review comments from NJDEP were received on October 31, 2008. The Navy and Tetra Tech have initiated preparation of a revised draft PRAP. A conference call was held on November 26, 2008 between representatives of EPA, NJDEP, Navy, and Tetra Tech to review several of the comments that address long-term groundwater monitoring. As a follow-up to the conference call, Tetra Tech submitted to NJDEP and EPA additional information regarding groundwater sampling at Site 7. NJDEP is currently reviewing the information forwarded on December 3 and December 18, 2008.

#### **SITES 9, 41, and 46**

During the reporting period, the Navy's subcontractor Tetra Tech worked on preparation of a Summary Document for Sites 9, 41, and 46 for Navy review and comment. As requested by the EPA, the summary document was prepared to review a request by the Navy for no further investigation and/or action at these sites.

#### **SITE 16/EPIC SITE F (BUILDING C-50 DIESEL FUEL LINE)**

During the reporting period, the Navy's contractor Tetra Tech, conducted an optimization review of the Site 16/F bioslurper system and operations. Tetra Tech prepared and submitted to the Navy on October 28, 2008, a draft report outlining the results of the optimization review including conclusions and recommendations. The Navy is currently reviewing the draft report.

The Navy submitted the Final Bioslurper Status Report (December 2007 – February 2008), that outlines the quarterly monitoring results, to the NJDEP on April 25, 2008.