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LETTER REGARDING THE SUBMITTAL OF THE 2011 FIRST QUARTERLY REPORT FOR
REPORTING PERIOD JANUARY THROUGH MARCH 2011 NWS EARLE NJ
4/27/2011
TETRA TECH



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PHIL-24249

April 27, 2011

Project Number 112G02091

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 N62470-08-D-1001
Contract Task Order (CTO) No. WE15

Subject: Submission of 2011 First Quarterly Report
Reporting Period January 2011 through March 2011
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 January 1, 2011 through March 31, 2011. The report details the Installation Restoration Program (IRP) activities conducted during the subject period at the Naval Weapons Station (NWS) Earle, located in Colts Neck, New Jersey.

In accordance with 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, CHMM
Environmental Project Manager

MMM/nfs

Enclosure

c: Scott Fleming (NWS Earle) (2 copies)
Jessica Mollin (EPA) (3 copies)
Erica Bergman (NJDEP) (3 copies)
Garth Glenn (Tetra Tech, Norfolk) (no enclosure)
John Trepanowski (Tetra Tech, King of Prussia) (no enclosure)
Bonnie Capito (NAVFAC Lant) (no enclosure)
~~Glenn Wagner (Tetra Tech, Pittsburgh)~~
File

**Naval Weapons Station Earle
Colts Neck, New Jersey**

**Quarterly Report
Reporting Period January 1, 2011 through March 31, 2011**

This report details the Installation Restoration Program (IRP) activities conducted by the Navy during the period of January 1, 2011 through March 31, 2011 at the Naval Weapons Station (NWS) Earle located in Colts Neck, New Jersey.

SITE-WIDE

During the reporting period, the Navy and Tetra Tech worked on preparation of the New Jersey Department of Environmental Protection (NJDEP) Receptor Evaluation Forms for Sites 16/F and Areas of Concern (AOC) R-6/7 and R-12. The initial receptor evaluation is being completed in accordance with NJDEP requirements. A schedule extension for the initial filings was submitted to the state in February 2011. On March 6, 2011, a conference call was held to discuss the initial submission. Representatives from the Navy, NJDEP, and Tetra Tech participated in the call.

Previous Reporting Periods

On April 2, 2009, a meeting was held at the NJDEP office in Trenton, New Jersey. Meeting attendees included representatives from NJDEP and Tetra Tech. Navy and EPA representatives participated in the meeting via conference call. The purpose of the meeting was to discuss groundwater sampling at Site 7, and the preparation of responses to comments raised on the various 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) and proposed submissions for Sites 4 and 5 (OU 1), Sites 3 and 10 (OU 6), and Site 19 (OU 2). Based on this meeting, the Navy agreed to sample Site 7 groundwater for certain volatile organics (see Operable Unit 10). Agreement on the submission of reports detailing groundwater sampling results compared to site background results was also reached for certain sites where site inorganic concentrations in groundwater may be impacted by background conditions. CEA related documentation that was prepared or sampling conducted during this reporting period, are presented in the following site-specific sections.

The draft *Biennial Certification Report for a Groundwater Classification Exception Area (CEA) at Area of Concern (AOC) R-6/7 and R-12* was submitted to NJDEP on May 15, 2009. No review comments have been received to date.

OPERABLE UNIT 1 (SITES 4 and 5)

During the reporting period, ECOR Solutions, Inc. (ECOR) completed preparation of the draft report for the 2010 annual monitoring event. The report will be finalized following Navy review and comment. The 2010 annual long-term monitoring and site inspections at Sites 4 and 5 were completed by ECOR Solutions, Inc. (ECOR) during the week of October 17, 2010.

OPERABLE UNIT 2 (SITE 19)

During the reporting period, ECOR Solutions, Inc. (ECOR) completed preparation of the draft report for the 2010 annual monitoring event. The report will be finalized following Navy review and comment. The 2010 annual long-term monitoring and site inspection at Site 19 was completed by ECOR during the week of October 17, 2010. Groundwater, surface water, and sediment samples were collected as part of the annual monitoring.

OPERABLE UNIT 3 (SITE 26)

No new work was conducted at Site 26 during the reporting period. The Navy collects samples for monitoring natural attenuation of the site-related chlorinated hydrocarbons approximately every 15 months, as recommended in the Annual Report for Four Post-Operation Groundwater Sampling Rounds in 2005 (Tetra Tech EC, Inc., 2006). In December 9, 2010, a conference call between the Navy, EPA, NJDEP, was held to discuss work efforts for Site 26 during Year 2011. Based on the groundwater monitoring results to date, EPA and NJDEP indicated that the May 2011 sampling needs to be completed before a decision on future activities at the site might be made. The last round of sampling was completed in February 2010. A Final Report of the results from the 2010 sampling event was completed in October 2010.

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 reviewed pending results from the natural attenuation monitoring.

OPERABLE UNIT 4 (SITE 23)

In accordance with the August 2010 *Sampling and Analysis Plan for Site 23 Groundwater Sampling*, Tetra Tech conducted well development and groundwater sampling activities at Site 23 during the weeks of November 1, 2010, and November 15, 2010, respectively. On behalf of the Navy, Tetra Tech prepared the *Groundwater Sampling Report for November 2010 Sampling Event, Site 23 - Paint Disposal Area*.

The report was submitted to the Navy, EPA, and NJDEP on February 14, 2011. No comments have been received to date.

OPERABLE UNIT 5 (SITE 13)

During the reporting period, ECOR Solutions, Inc. (ECOR) completed preparation of the draft report for the 2010 annual monitoring event. The report will be finalized following Navy review and comment. The 2010 annual long-term monitoring and site inspection at Site 13 was completed by ECOR during the week of October 17, 2010.

OPERABLE UNIT 6 (SITES 3 and 10)

During the reporting period, ECOR Solutions, Inc. (ECOR) completed preparation of the draft report for the 2010 annual monitoring event. The report will be finalized following Navy review and comment. The 2010 annual long-term monitoring and site inspections at Sites 3 and 10 were completed by ECOR Solutions, Inc. (ECOR) during the week of October 17, 2010.

OPERABLE UNIT 7 (SITE 26 PCE PLUME)

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

OPERABLE UNIT 8 (SITES 1 and 11)

On February 23-24, 2011, Tetra Tech collected groundwater samples from three new replacement monitoring wells and two existing on-site wells at Site 1. Samples were also collected from two off-site background wells. Groundwater sampling was in accordance with the July 2009 *Sampling and Analysis Plan (SAP) for Site 1 Groundwater* and revised worksheets dated August 4, 2010. The groundwater samples were submitted to CompuChem Laboratories for analysis. A draft report of results is currently being prepared and will be completed during the next reporting period.

Site 11 is a no further action site.

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

During the reporting period, the Navy responded to EPA and NJDEP comments on the *Draft Sampling and Analysis Plan for Site 6 and Site 17 Groundwater*. The SAP was prepared in accordance with

Uniform Federal Policy (UFP) and EPA guidance, and addressed the scope of work discussed in a conference call between representatives of the Navy, EPA, NJDEP, and Tetra Tech on June 30, 2010.

Letters outlining the proposed responses were prepared and submitted to EPA and NJDEP on February 9, 2011. On March 17, 2011, the Navy received EPA's response to the February 2011 submittal. A conference call was held on March 23, 2011, between representatives of the Navy, EPA, and Tetra Tech to discuss EPA's review comment. A follow-up email from Tetra Tech, on behalf of the Navy, was submitted to EPA and the Navy on March 24, 2011 summarizing the discussions. A formal written response to EPA's comment will also be prepared and submitted in early April 2011.

The Navy received New Jersey concurrence on the SAP on March 10, 2011.

During the reporting period, Tetra Tech continued with preparation of a site-specific health and safety plan (HASP) for groundwater sampling at Sites 6 & 17. Tetra Tech will submit the draft HASP to the Navy for review and comment in April 2011.

During the reporting period, work continued with preparation of the Operations and Maintenance (O&M) Manual for Site 15. The O&M Manual will include a Sampling and Analysis Plan for the long-term monitoring of Site 15 soils. The plan is being prepared in accordance with UFP and EPA guidance.

OPERABLE UNIT 10 (SITE 7)

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

The Record of Decision (ROD) for Site 7 was signed by the NWS Earle Commanding Officer on October 8, 2010 and the EPA Region 2 Director of the Emergency Remedial Response Division on November 12, 2010. Paper and electronic (CD) copies of the signed ROD were prepared and distributed to the Navy, EPA, and NJDEP on December 14, 2010. Copies were also placed in the NWS Earle Public Repository and Administrative Record.

SITES 9, 41, and 46

On behalf of the Navy, Tetra Tech submitted to EPA and NJDEP the *Draft Feasibility Study for Site 9, Landfill Southeast of "P" Barricades*. The report was submitted on January 19, 2011. Representatives from the Navy, EPA, and Tetra Tech participated in a February 24, 2011, conference call to discuss EPA's review. On March 7, 2011, EPA issued a formal letter to the Navy outlining EPA's review

comments. At the request of the Navy, Tetra Tech is preparing responses and supporting documentation to address EPA's comments.

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

During the week of February 7, 2011, ECOR conducted the quarterly monitoring of Site 16/F groundwater.

Installation of the recommended new monitoring well for Site 16/F was completed on March 24, 2011 in accordance with NJDEP approval of the well permit application.

Work on the draft *Biennial Certification Report for a Groundwater CEA at Site 16/F* is currently on hold pending NJDEP resolution of comments on the most recent bioslurper status and monitoring report.