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FINAL SECOND QUARTERLY REPORT 2014 APRIL 2014 TO JUNE 2013 NWS EARLE NJ  
7/23/2014  
RESOLUTION CONSULTANTS

**FINAL SECOND QUARTERLY REPORT 2014  
NAVAL WEAPONS STATION EARLE  
COLTS NECK, NEW JERSEY**

**Quarterly Report  
Reporting Period 1 April 2014 through 30 June 2014**

**Prepared for:**



**Department of the Navy  
Naval Facilities Engineering Command, Mid-Atlantic  
9742 Maryland Ave.  
Norfolk, Virginia 23511-3095**

**Prepared by:**



**Resolution Consultants  
*A Joint Venture of AECOM & EnSafe*  
1500 Wells Fargo Building  
440 Monticello Avenue  
Norfolk, Virginia 23510**

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**23 July 2014**

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

**Final 2014 Second Quarterly Report  
Reporting Period 1 April 2014 through 30 June 2014**

This report details the Environmental Restoration Program activities conducted by the Department of the Navy during the period of 1 April 2014 through 30 June 2014 at Naval Weapons Station Earle located in Colts Neck, New Jersey.

**SITE-WIDE**

No site wide activities were conducted this quarter.

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

The Navy's contractor, Sovereign Environmental Inc. (Sovereign), completed the Internal Draft Annual Maintenance and Monitoring Report for the Landfill Caps Sites 3 and 10, Sites 4 and 5, Site 13, and the Long Term Monitoring for Site 19 for work performed in 2013. On 26 March 2014, the internal draft report was submitted to the Navy for review. On 30 April 2104 the external draft report was submitted to U.S. Environmental Protection Agency (U.S. EPA), New Jersey Department of Environmental Protection (NJDEP) and Tetra Tech. No comments have been received to date

The first semiannual facility inspection of Sites 4 and 5 was conducted in May 2014. No landfill cap or storm drainage system deficiencies were found during the inspections. The second semiannual facility inspection and the next biennial groundwater sampling event are scheduled for November 2014.

During the previous reporting period, the Navy's contractor, Tetra Tech, prepared Technical Memorandums summarizing the historical monitoring results for Site 4 and Site 5. The Technical Memorandums also recommended the installation of additional wells and sampling needed for delineating the extent of groundwater Classification Exception Areas (CEAs) at each site. The Technical Memorandum for Operable Unit 1, Site 4-Landfill West of "D" Group was submitted to the Navy, U.S. EPA, and NJDEP on 5 August 2013. The Technical Memorandum for Operable Unit 1-Site 5-Landfill West of Army Barricades was submitted to the Navy, U.S. EPA, and NJDEP on 12 September 2013. No written regulatory review comments received during the reporting period.

### **OPERABLE UNIT 2 (SITE 19)**

Sovereign completed the Internal Draft *Annual Maintenance and Monitoring Report for the Landfill Caps Sites 3 and 10, Sites 4 and 5, Site 13, and the Long Term Monitoring for Site 19* for work performed in 2013. On 26 March 2014, the internal draft report was submitted to the Navy for review. On 30 April 2104 the external draft report was submitted to U.S. EPA, NJDEP, and Tetra Tech. No comments have been received to date.

Resolution Consultants prepared the internal draft Explanation of Significant Difference (ESD) to document the removal of the requirement to establish a CEA. Per the quarterly call of 7 July 2014, a technical memorandum is to be developed to evaluate the potential to discontinue groundwater, surface water, and sediment sampling.

### **OPERABLE UNIT 3 (SITE 26)**

No activities were conducted for Site 26 during the reporting period.

### **OPERABLE UNIT 5 (SITE 13)**

Sovereign completed the Internal Draft *Annual Maintenance and Monitoring Report for the Landfill Caps Sites 3 and 10, Sites 4 and 5, Site 13, and the Long Term Monitoring for Site 19* for work performed in 2013. On 26 March 2014, the internal draft report was submitted to the Navy for review. On 30 April 2104 the external draft report was submitted to U.S. EPA, NJDEP, and Tetra Tech. No comments have been received to date.

The first semiannual facility inspection of Site 13 was conducted in May 2014. No landfill cap or storm drainage system deficiencies were found during the inspection. The next inspection is scheduled to be conducted in November 2014.

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

Sovereign completed the Internal Draft *Annual Maintenance and Monitoring Report for the Landfill Caps Sites 3 and 10, Sites 4 and 5, Site 13, and the Long Term Monitoring for Site 19* for work performed in 2013. On 26 March 2014, the internal draft report was submitted to the Navy for review. On 30 April 2104 the external draft report was submitted to U.S EPA, NJDEP, and Tetra Tech. No comments have been received to date.

The first semiannual facility inspection of Sites 3 and 10 was conducted in May 2014. No landfill cap or storm drainage system deficiencies were found during the inspections. The next inspection is scheduled to be conducted in November 2014.

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

Site 26 activities are outlined under Operable Unit 3 of this report.

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

Resolution Consultants prepared the internal draft ESD to document the removal of the requirement to establish a CEA at Site 1. The need to continue groundwater sampling will be evaluated.

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

The *Operations and Maintenance Manual* for Site 15, including soil sampling and health and safety plans is being prepared.

As recommended in the November 2013 Final Groundwater Sampling Report for December 2011 and May 2012 Sampling Events, Sites 6 and 17, the Navy will be installing additional monitoring wells at Site 17. This work is scheduled for July 2014.

### **SITE 2 ACTIVE ORDNANCE DEMOLITION RANGE**

The updated Sampling and Analysis Plan for Site 2 was submitted to NJDEP on 21 February 2014. During the reporting period, Tetra Tech prepared the First Quarter Groundwater Monitoring Report and submitted it to the Navy on 25 June 2014. Tetra Tech completed the second quarter groundwater sampling event at Site 2 the week of 2 June 2014. Analytical sampling results are pending.

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

The draft Record of Decision for Site 9 including the Responsiveness Summary was submitted to the U.S. EPA and NJDEP on 23 April 2014. Navy review comments were received and incorporated and a revised document submitted to the Navy for review on 25 March 2014. The U.S. EPA submitted comments via email on 27 May 2014; NJDEP comments are pending.

During the reporting period, Tetra Tech worked on preparation of the Site 41 and Site 46 feasibility studies.

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

On 11 October 2013, Sovereign submitted the *Final Year 15 Groundwater Monitoring Report* to the Navy and NJDEP for groundwater sampling conducted from August 2012 to May 2013. No comments from NJDEP have been received to date.

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The fourth Year 16 quarterly groundwater monitoring and sampling event was conducted in May 2014. Sovereign is preparing the *Draft Year 16 Groundwater Monitoring Report* for groundwater sampling conducted from August 2013 to May 2014. The next quarterly sampling event is scheduled for August 2014.

The bioslurper oil water separator was pumped out for disposal, cleaned, and inspected in June 2014. Inspection findings reported corrosion which will be monitored; no immediate action is proposed.

The Navy's subcontractor, Tetra Tech, finalized the *Tier II Sampling and Analysis Plan (SAP) for Site 16/F Vapor Intrusion Groundwater Investigation*. Copies of the final document were distributed to the Navy and NJDEP on 28 February 2014.

Resolution Consultants reviewed documentation received from Sovereign regarding the operation of the bioslurper remediation system at the site. Resolution is reviewing the documents to evaluate the potential for optimization via ozone injection; findings will be compiled in a technical memorandum expected to be completed in the third quarter.

### **BUILDING 566**

NJDEP is expected to issue a letter stating no further investigation is required for this site.

### **AREAS OF CONCERN R-6, R-7, and R-12**

Sovereign completed the Draft Groundwater Monitoring Report for AOC R-6/7 and R-12 for activities conducted in 2013. On 24 February 2014, Sovereign submitted the report to the Navy for review. The final report was submitted on 8 April 2014. The next sampling event is scheduled for November 2014.

### **UXO 2 — MUNITIONS LOADING PIER COMPLEX**

Digital Geophysical Mapping (DGM) Field activities began the week of 17 March 2014. Semi-permanent third-order control points were established on 20 March 2014. The DGM crew mobilized to the site on 24 March 2014 and demobilized on 14 April 2014. Pier 2 was surveyed first with approximately 14 acres of DGM data collected. Pier 1 was surveyed following Pier 2 with approximately 20 acres of DGM data collected. The DGM Technical Memorandum Summary Report is currently being developed to document the results of the DGM investigation activities. Based upon the results of the DGM survey, additional investigation in the form of a Phase 2 anomaly inspection will likely be warranted. Phase 2 technology screening is ongoing and will be presented during future scoping sessions.