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SECOND QUARTERLY STATUS REPORT FOR ADMINISTRATIVE ORDER SDWA-03-2014-
0230-DS WITH TRANSMITTAL LETTER NAWC WARMINSTER PA
1/15/2015
BRAC PMO EAST



DEPARTMENT OF THE NAVY
BASE REALIGNMENT AND CLOSURE
PROGRAM MANAGEMENT OFFICE EAST
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Ser BPMOE/15-065
January 15, 2015

Mr. Roger Reinhart
U.S. Environmental Protection Agency
Region III (3WP22)
1650 Arch Street
Philadelphia, PA 19103

Dear Mr. Reinhart:

SUBJECT: QUARTERLY REPORT REGARDING ADMINISTRATIVE ORDER DATED
JULY 7, 2014, EFFECTIVE JULY 13, 2014, DOCKET NO.
SDWA-03-2014-0230-DS

In accordance with Section VI, Paragraph 40 of the subject
Order, the attached Second Quarterly Report is submitted.

If you have any questions regarding this submittal, please
contact me at 215-897-4904.

Sincerely,

A handwritten signature in blue ink, appearing to read "Willington Lin", is written over a horizontal line.

WILLINGTON LIN, P.E.
BRAC Environmental Coordinator
By direction of BRAC PMO

Enclosure: Quarterly Report

Copy to:
EPA Region III (S. Kloss)
BRAC PMO Files

2nd Quarterly Status Report
Administrative Order Dated July 7, 2014
(Effective July 14, 2014)
Docket No. SDWA-03-2014-0230-DS

This quarterly status report provides a summary of the work performed by the Navy, associated entities, and U.S. EPA [via an Interagency Agreement (IA) with the Navy] over the period of October 4, 2014 through January 2, 2015.

SUMMARY OF ACTIVITIES

During this Administrative Order (AO) reporting period, the public and private water systems sampling programs were continued under an agreement for technical support with EPA under the IA, and sampling data was evaluated as it became available.

The Navy continued contractual negotiation of a cooperative agreement grant (CA) with Warminster Township Municipal Authority (WTMA). It is anticipated that the CA will be awarded shortly and provide reimbursement for:

- activated carbon filtration for water supply wells WMA-10, WMA-13, and WMA-26,
- operations and maintenance costs of the systems,
- installation of a water main and several private connections to the main, and
- replacement water due to the loss of the supply wells.

The Area D extraction wells were restarted in October to provide capture/containment of any PFCs originating from this area, with treatment provided by the groundwater treatment plant located in Area A, which has been modified to provide PFC removal through carbon polishing.

In support of planned site investigation activities to supplement the work required under the AO, the Navy submitted the final version of the "Evaluation of Potential Sources of Perfluorinated Compound Report" for the former NAWC (November 7, 2014). In addition, the draft sampling and analysis plan for a Remedial Investigation of perfluorinated compounds was submitted for regulatory review (October 16, 2014); and key worksheets from the draft document were revised in accordance with EPA's comments and sent out for review on December 22, 2014.

The following provides additional detail regarding the quarter's activities.

PUBLIC WATER SUPPLIES

Monitoring: No public water supply (PWS) well sampling was performed by the Navy during the October 4, 2014 - January 2, 2015 time period.

Treatment/Alternate Water Supply: The Navy is currently in the process of implementing the approved Water Treatment Plan for WTMA public water supply wells WMA-10, WMA-13, and WMA-26, which will be executed through the CA currently being finalized with WTMA. In accordance with the plan, the following PWS wells will be provided with carbon treatment:

- WMA-10
- WMA-13
- WMA-26

A temporary carbon treatment system was installed on WMA-26 in July, and this well has been pumped (for plume containment) to waste. The treated waste water is discharged to the WTMA Log College wastewater treatment plant. Wells WMA-10 and WMA-13 are shut down and will remain so until the CA finalized. Once the CA is awarded, permanent treatment systems will be installed on all three of these wells.

PRIVATE WATER SYSTEMS

Monitoring: Approximately 139 samples have been collected from 107 wells at 105 locations to date, with approximately 45 of the samples collected during the October 4, 2014 - January 2, 2015 time period. Under an Interagency agreement, the EPA collected the samples, provided for analysis, validation and reporting of initial results to the private well owners. The private well owner contact information and analytical results are excluded from this public document. As of December 2014, samples from twelve private wells have analytical results for PFOS at or above the provisional health advisory level (PHAL) and are being provided with alternate water supply by the EPA. To date, no detections of PFOA in private water systems meet or exceed the associated PHAL.

Treatment/Alternate Water Supply: A Private Water System Water Treatment Plan was submitted for EPA review on August 22, 2014, and review comments on the plan were provided by EPA on September 8, 2014. An updated version of the plan will be submitted to EPA by the Navy. The Navy has awarded a contract to Tetra Tech EC for implementation of private water system connections to public water supply. The connection work in the Newtown Road area will be completed by WTMA under the CA. Pending the agreement and subsequent distribution line installation, the individual residential water connection timetable will be updated.

No residences were offered or provided with long-term treatment and/or a permanent alternate water supply (PWS hookup) during the October 4, 2014 - January 2, 2015 time period, nor was any private water supply treatment system sampling performed. This work will be initiated following finalization of the Private Water System Water Treatment Plan.

NAVY PFC INVESTIGATION STATUS

The Draft Unified Federal Policy Sampling and Analysis Plan (UFP SAP), Remedial Investigation for Perfluorinated Compounds (PFCs) and Vapor Intrusion Evaluation, Former NAWC Warminster, Pennsylvania was submitted to EPA and PADEP in October 2014, and is currently being revised in accordance with review comments (selected revised worksheets were submitted for regulatory review in December 2014). It is anticipated that the plan will be finalized in early 2015 and executed in the spring/summer of 2015. In addition, all of the extraction wells in Areas A, C, and D were sampled for PFCs during the November 2014 LTM sampling round (results are pending), and two sumps located within former Buildings 1 and 2 were also sampled.

UPCOMING ACTIVITIES FOR THE NEXT REPORTING PERIOD

Over the next 3 months, the Navy plans to perform the following activities:

- Award CA to WTMA for public well activated carbon treatment system installations for wells WMA-10, WMA-13, and WMA 26, and for water line extension in the Newtown Road area, and initiate the associated work.
- Continue with periodic sampling of select private water systems (through the IA with EPA or by Navy contractor) and public water supply wells. Based on consultation with EPA, private wells with PFOS concentrations greater than 25% of the PHAL will be periodically resampled to monitor that concentrations remain below the PHAL.
- Continue to supply private well locations which are at/above the PHAL with bottled water until permanent solutions can be implemented.
- Revise the Private Water System Treatment Plan and coordinate approval from EPA.
- Begin offering/implementing private water system connections to public water supplies.
- Finalize the sampling and analysis plan for a remedial investigation of PFCs and initiate the associated field work.

The next reporting period will cover the January 3 - April 3, 2015 time frame.