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CAPE COD
COMMISSION

August 7 2017

Angela Gallagher
Site Remediation Section
Southeast Regional Office
Department of Environmental Protection
20 Riverside Drive
Lakeville, MA 02347

Re: WSA-4-26179
Immediate Response Action
PFOS/PFOA in Groundwater

Dear Ms. Gallagher:

This is the eight IRA monthly remedial monitoring and status report for the IRA approved by the Department in a letter dated November 10, 2016. This report includes a status report on the pump and treat and the post Soil Removal monitoring.

Pump and Treat System

The pump and treat system operated continuously throughout the month with a two day shut down. The average PFOS concentrations in influent for the single sample this month samples was 3500 ng/l. The monthly pump volume was 1.99 Million Gallons with an estimated removal of 22.1 grams of PFOS. The PFOS breakthrough in the effluent increased to 490 ng/l. The PFOA influent was 97 ng/l and the effluent was .025 ng/l. The system was kept operating in the interim to continue to contain the Hot Spot plume as explained in the last month Remedial Monitoring Report.

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The pump rate was 40 gpm through the first weeks of the month. The well and force mains were scheduled for cleaning on July 10th and treated with acid. The pump rate improved to 56 gpm and the system returned to operation on July 12th. Calgon Carbon was scheduled for a carbon exchange to address the breakthrough on July 17th prior to my vacation. However, the County could not clear its FY17 budget books to issue a Purchase Order for the carbon exchange task until July 31. The Carbon exchange is now scheduled for August 9th. The amount of PFOS returned to the aquifer in the impacted area of the BCFRTA was 3.1 grams or 14% of the amount removed. The amount returned increased by 10% over last month due to the increased breakthrough, lag time to issue a Purchase Order for the scheduled carbon exchange, and the increased pump rate.

Post Soil Removal Monitoring

Three monitoring wells in the Hot Spot were sampled for PFAS and Aluminum on July 27th. Flintrock Pond will be sampled in August. The results will be reviewed in the next RMR, if lab results are available.

We are scheduled for a meeting with DEP to discuss our cleanup criteria and options at the BCFRTA site in September. I also recommend a separate collective meeting with the Town and Barnstable Fire District to discuss the regional aspects of our collective data and findings.

Please contact me if you have any questions on this submittal.

Sincerely,



Tom Cambareri
Technical Services Director for Water Resources
LSP #3788

Cc: Gerard Martin, DEP-SERO
Jack Yunits, County Administrator

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