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CAPE COD COMMISSION

April 6, 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 fourth IRA monthly status report for the IRA approved by the Department in a letter dated November 10, 2016.

The Groundwater pump and treat system flow was improved to 70 gpm during the last month. During the Month of March the system developed back pressure in the Lead carbon vessel which caused a decrease in flow to 30 gpm. This caused the recovery pumps that were producing 65 gpm at the time to cycle off to allow the equalization tank to drain at 30 gpm. The system was diagnosed on March 18 and the vessel was cleared of iron fouled carbon. The system resumed on March 22 with a flow rate of 65 gpm.

The Maxxam laboratory had an incident which delayed the reporting of the February samples until the second week of March. The lab report of 2/16 indicated that PFOS breakthrough in the effluent was reached with a concentration of 25 ng/l. The reports are included with this March report. A second sample collected, March 1 was received

on March 16, around the time the system was running at a reduced rate and then shut down for diagnosis and cleaning as described above. The effluent PFOS concentration was at 150 ng/l. Once the system was returned to full operation another sample was collected to see if clearing the iron fouling would result in more even treatment in the first vessel. The March 23 sample, received on March 31 indicated the effluent had 160 ng/l.

An immediate order for a Carbon exchange was procured and is presently scheduled for April 12, 2017.

An assessment of the amount of PFOS captured and returned for the month of March indicates the system captured 1 pound of PFOS while returning 0.04 pound through the discharge basins at the facility. The effluent from the facility was rerouted from the northern to the southern discharge basins for this occurrence. Given the high amount of PFOS capture upgradient from the Mary Dunn supply wells and the fact that the effluent is returned at an upgradient position, subject to downgradient capture by the recovery well it was decided to operate the system through to the time that the carbon is exchanged on April 12th. Treatment of the downgradient public water supply continues to address the potential imminent hazard associated with the site.

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