

3225 MAIN STREET • P.O. BOX 226
BARNSTABLE, MASSACHUSETTS 02630

(508) 362-3828 • Fax (508) 362-3136 • www.capecodcommission.org



CAPE COD
COMMISSION

November 8, 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 11th 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 system for the month of October 2017.

Pump and Treat System

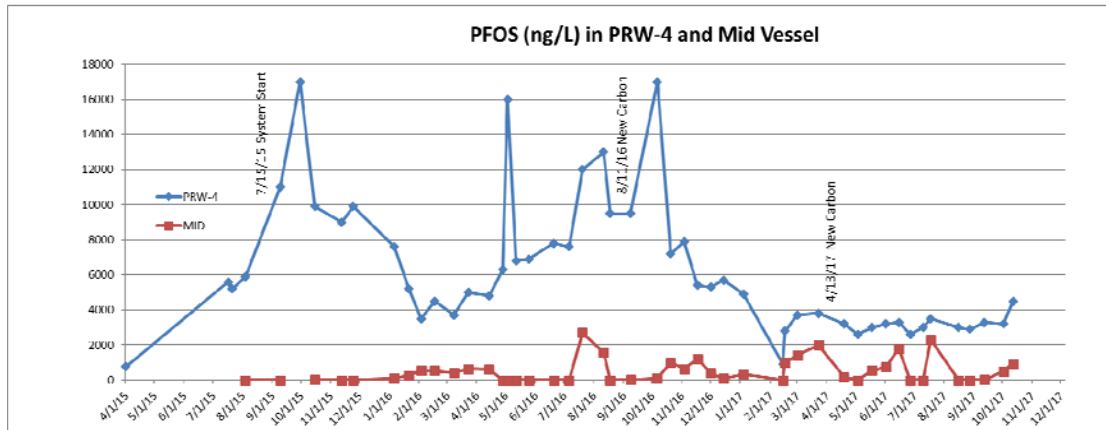
The pump and treat system operated continuously throughout the month except for a 4 day scheduled shutdown to clean the force mains with acid and a 1 day shutdown due to a power outage associated with high winds. The influent PFOS and PFOA concentrations for the Oct 12, 2017 round of samples this month was 4500 ng/l (PFOS) and 110 ng/l (PFOA) respectively. The PFOS influent concentration is the highest detected since January 2017 (Figure Below). Based on several significantly high upgradient Hot Spot plume detections from the 2017 April comprehensive sampling, this high detect likely represents the recovery of a slug of high concentration. The mid-

BFTA

1

Immediate Response Action
November 8, 2017

vessel concentration was 110 ng/l (PFOS) and below the MRL or Non-Detect for both PFOS and PFOA. The increase of mid vessel PFOS concentration means breakthrough is expected in the lag vessel in the next several weeks. The monthly pump volume was 1.7 Million Gallons with an estimated removal of 0.028 kilograms of PFOS.



The County met with DEP and the Town of Barnstable on Oct 13, 2017, the Airport, and Barnstable Fire District to discuss the regional aspects of our collective data and findings.

Next month staff is planning a quarterly round of groundwater samples at the post soil removal monitoring wells and Flintrock Pond and on-site monitoring wells with high detections of PFAS (PFW-3 and PFW-4).

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