Atwell, LeaAnne

From: Atwell, LeaAnne
Sent: Friday, July 14, 2017 3:21 PM
To: 'Canning, Edward J.'; Angier, Christopher
Cc: Miller, Theresa; Kenison, Karlee; Wimsatt, Mike
Subject: Stormwater Outfall Results and Data Validation
Attachments: Outfall.jpg; 1707019 FINAL 13 Jul 17 0822.pdf; COC_MTBE_SG Outfall (PFAS).pdf

Hi Ed and Chris,

Attached are the results for the water sample collected from the stormwater outfall east of the Saint-Gobain facility. The outfall discharges to the Merrimack River. NHDES collected the sample under dry conditions. A photograph of the outfall taken during the sampling event is attached.

As we discussed this morning, within 30 days, please submit a work plan for both determining the source of the discharge and developing recommendations to abate it. The work plan should also include a task for an assessment of water quality in Dumpling Brook, which is located south of the facility on the adjoining property and also discharges to the Merrimack River.

In addition, within 5 business days, please provide the analytical data for the groundwater samples that were collected at the facility in March 2017. We understand that there have been delays in the data validation process. As such, preliminary data should be provided until such time as validated data are available.

Please contact me if you have any questions or need additional information.

Thank you,

Lea Anne S. Atwell, P.G.
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Hazardous Waste Remediation Bureau
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NELAP Accreditation #NH1004, VT1004, NH00035(ME)
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REPORT OF ANALYSIS

New Hampshire DES
MtBE Remediation Bureau
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Sample Collected By: B. Kernen
Date & Time Received: 06-Jul-17 08:05
Date & Time Reported: 13-Jul-17 08:22
Temp Rec'd: 5 °C

Laboratory ID: 1707019-01
Sample Matrix: Well Water
Sample Description: SG Outfall, Dry Weather Flow, Merrimack, NH
NHDES Site Number: SGPP
Date & Time Sample Collected: 29-Jun-17 17:00

Parameters	Result	Units	Analyzed	Analyst	Method
PERFLUOROOCTANE SULFONATE - PFOS	206	ng/L	12-Jul-17	SUBL	PFC Isotope
PERFLUOROUNDECANOIC ACID - PFUnA	10	ng/L	12-Jul-17	SUBL	PFC Isotope
PERFLUOROPENTANOIC ACID - PFPeA	565	ng/L	12-Jul-17	SUBL	PFC Isotope
PERFLUOROHEXANOIC ACID - PFHxA	1170	ng/L	12-Jul-17	SUBL	PFC Isotope
PERFLUORODODECANOIC ACID - PFDoA	9	ng/L	12-Jul-17	SUBL	PFC Isotope
PERFLUOROOCTANOIC ACID - PFOA	1820	ng/L	12-Jul-17	SUBL	PFC Isotope
PERFLUORODECANOIC ACID - PFDA	13	ng/L	12-Jul-17	SUBL	PFC Isotope
PERFLUORODECANE SULFONATE - PFDS	<5	ng/L	12-Jul-17	SUBL	PFC Isotope
PERFLUOROHEXANE SULFONATE - PFHXS	23	ng/L	12-Jul-17	SUBL	PFC Isotope
PERFLUOROBUTANOIC ACID - PFBA	158	ng/L	12-Jul-17	SUBL	PFC Isotope
PERFLUOROBUTANE SULFONATE - PFBS	9	ng/L	12-Jul-17	SUBL	PFC Isotope
PERFLUOROHEPTANOIC ACID - PFHPA	561	ng/L	12-Jul-17	SUBL	PFC Isotope
PERFLUORONONANOIC ACID - PFNA	25	ng/L	12-Jul-17	SUBL	PFC Isotope
PERFLUOROTETRADECANOIC ACID - PFTEDA	<5	ng/L	12-Jul-17	SUBL	PFC Isotope
PERFLUORO-N-TRIDECANOIC ACID - PFTRDA	<5	ng/L	12-Jul-17	SUBL	PFC Isotope
PERFLUOROOCTANESULFONAMIDE - FOSA	<5	ng/L	12-Jul-17	SUBL	PFC Isotope

Notes:

ng/L is equivalent to Parts per Trillion (ppt)

PFC Isotope analysis was performed by
South Central Connecticut Regional Water Authority

More information regarding PFC's is available on the New Hampshire DES website:
http://des.nh.gov/organization/commissioner/pfoa.htm

Respectfully Submitted: James R. Sherburne

James R. Sherburne, Laboratory Director

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NELSON ANALYTICAL LAB/NHDES MTBERB-WATER ANALYSIS LAB LOGIN AND CUSTODY SHEET

(Laboratory Policy: Samples not meeting method requirements will be analyzed at the discretion Nelson Labs)
Samples must be delivered in a cooler with ice or ice packs.

5392

ACCOUNT (Billing): ~~8893(VOC)~~/5392(PFAS) **One Stop Project:** MTBE_01/PFAS **NHDES Site Number:** SGPP DSB

Description : Saint Gobain - outfall **Town:** ~~[illegible]~~ Merrimack DSB **Temp. °C.** _____

Collected by: B. Kernen DSB **Contact & Phone #** Brandon 271-0660

Sample Location/Station ID	Date Time Sampled	# of Containers	Matrix	~~VOC 524.2~~	PFC ~~537~~ Group II	Isotope Dilution				Sampler Comments	Lab Login #
SG Outfall	6/29/17 1700	2	AQ		X					Dry weather Flow	1707019

Relinquished By [signature] Date and Time 6/30/17 1500 Received By Cold Storage — °C

Relinquished By [signature] Date and Time 7/6/17 745 Received By [signature] 5.1 °C

Relinquished By [signature] Date and Time 7/6/17 805 Received By Alli Wheeleen 5.2 °C

Section No.: 22.0
Revision No.: 9
Date 02-28-2015
Page 1 of 1

Matrix: A= Air S= Soil AQ= Aqueous (Ground Water, Surface Water, Drinking Water, Waste Water) Other: _____

Page _____ **of** _____ Data Reviewed By _____ Date _____

S:\WMD-MTBE\Forms-Templates\Sampling\Forms\COC_MTBE_1_NelsonLab 3/23/17 7:31 AM

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