STORMWATER SAMPLING DATA

Town of Glastonbury
Glastonbury, Connecticut

General Information		
Sampling Personnel: Luke Whitehouse, Environmental Compliance Services, Inc.		
Sampling Date: **July 29, 2016**		
Rain Start Time: 03:30 am	Rain Stop Time: 10:00 am	Runoff Start Time: 4 am to 6 am
Rain Description (i.e., drizzle, steady, downpour, etc.): Light rain initially then light-moderate rain throughout storm		
Outside Temperature: 75° F		
Magnitude of Storm Event (in inches): 0.17		
Date of Previous Storm Event of 0.1 Inches or More: 7/18/16 (0.42 inches)		
Location of Rain Gauge or Gauging Station: Glastonbury, CT, as reported on http://www.wunderground.com/		

Sampling Data		
Outfall No.	Location Description	Sampling Time
C-1	42" RCP pipe (discharging south) behind stores at south end of Griswold Mall on Main St.	6:15 am
C-2	60" RCP pipe (discharging west) north of parking lot for 379 Naubuc Ave. on west side of Naubuc Ave. at intersection with Glastonbury Blvd.	6:35 am
I-1	48" RCP pipe through retaining wall behind CVS Pharmacy on New London Tpke. Concrete of outfall pipe.	5:30 am
I-2	15" RCP pipe (discharging east) into retention pond south of corner at east end of Commerce St.	5:15 am
R-1	36" ACCMP pipe (discharging northeast) northeast of 279 Cavan Ln	7:30 am
R-2	18" RCP pipe (discharging south) behind 58 Whapley Rd.	6:50 am

Analysis Data
Laboratory Performing Analyses: Phoenix Environmental Laboratories, Inc.
Date Samples Dropped Off: July 29, 2016
Note: Attached is the laboratory report, including analytical results, techniques and methods used.

Comments
None.

2016 STORMWATER MS4 ANALYTICAL RESULTS

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Laboratory Parameter [2]	Commercial [1]		Industrial [1]		Residential [1]	
	Outfall 1 (C-1)	Outfall 2 (C-2)	Outfall 1 (I-1)	Outfall 2 (I-2)	Outfall 1 (R-1)	Outfall 2 (R-2)
Uncontaminated Rainfall Sample pH (SU) [3]	6.5	6.5	6.5	6.5	6.5	6.5
Stormwater pH (SU) [3]	6.74	3.05	7.08	6.35	7.81	7.60
Hardness (CaCO3) (mg/L) [4]	46.4	21.0	113	45.0	175	91.1
Conductivity (umos) [5]	365	534	545	332	601	345
Oil and Grease (mg/L)	3.6	<1.4	<1.4	7.5	<1.4	<1.4
Chemical Oxygen Demand (mg/L)	103	82	67	116	16	<10
Turbidity (NTU) [6]	33	8.5	14	22	2.7	0.93
Total Suspended Solids (mg/L)	16	13	18	29	<5.0	<5.0
Total Phosphorous (mg/L)	0.20	0.42	0.15	0.29	0.15	0.08
Ammonia as Nitrogen(mg/L)	0.83	0.93	0.68	3.65	0.21	0.07
Total Kjeldahl Nitrogen (mg/L)	1.87	2.50	1.72	4.88	1.39	0.64
Nitrate plus Nitrite Nitrogen (mg/L)	1.186	0.68	2.02	0.379	4.117	2.80
E. coli (col/100 mL) [7]	>24,200	134	359	<10	3,870	1,270

Notes:
1. Refer to Stormwater Sampling Data form for the locations of each stormwater outfall.
2. Laboratory parameters are taken from the CT DEEP General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems.
3. SU = standard units
4. mg/L = milligrams per liter
5. umos = micromhos
6. NTU = nephelometric turbidity units
7. col/100 mL = coliforms per 100 milliliters