STORMWATER SAMPLING DATA

Town of Glastonbury
Glastonbury, Connecticut

General Information		
Sampling Personnel: Luke Whitehouse, Environmental Compliance Services, Inc.		
Sampling Date: **September 30, 2015**		
Rain Start Time: 01:45 am	Rain Stop Time: 10:00 am	Runoff Start Time: ~2-3 am
Rain Description (i.e., drizzle, steady, downpour, etc.): Light rain initially then periods of heavy rain throughout		
Outside Temperature: 72-73° F		
Magnitude of Storm Event (in inches): 1.89		
Date of Previous Storm Event of 0.1 Inches or More: September 13, 2015		
Location of Rain Gauge or Gauging Station: South 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.	4:35 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.	4:15 am
I-1	48" RCP pipe through retaining wall behind CVS Pharmacy on New London Tpke. Concrete of outfall pipe.	5:00 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	5:30 am
R-2	18" RCP pipe (discharging south) behind 58 Whapley Rd.	5:45 am

Analysis Data
Laboratory Performing Analyses: Phoenix Environmental Laboratories, Inc.
Date Samples Dropped Off: September 30, 2015
Note: Attached is the laboratory report, including analytical results, techniques and methods used.

Comments
None.

2015 STORMWATER PHASE II ANALYTICAL RESULTS

Town of Glastonbury
Glastonbury, Connecticut

Laboratory Parameter [2]	Commercial [1]		Industrial [1]		Residential [1]	
	Outfall 1 (Glast C-1)	Outfall 2 (Glast C-2)	Outfall 1 (Glast I-1)	Outfall 2 (Glast I-2)	Outfall 1 (Glast R-1)	Outfall 2 (Glast R-2)
Uncontaminated Rainfall Sample pH (SU) [3]	6.9	6.9	6.9	6.9	6.9	6.9
Stormwater pH (SU) [3]	6.50	6.44	6.65	5.65	7.12	6.68
Hardness (mg/L) [4]	8.1	2.9	7.9	8.9	20.7	15.5
Conductivity (umos) [5]	62	26	44	99	81	68
Oil and Grease (mg/L)	<1.4	<1.4	<1.4	5.8	<1.4	<1.4
Chemical Oxygen Demand (mg/L)	34	38	19	49	29	47
Turbidity (NTU) [6]	17.5	5.88	11.3	31	70	27.7
Total Suspended Solids (mg/L)	37	12	9.5	60	58	59
Total Phosphorous (mg/L)	0.35	0.32	0.16	0.09	0.34	0.35
Ammonia (mg/L)	0.22	0.55	0.10	0.82	0.18	0.26
Total Kjeldahl Nitrogen (mg/L)	1.11	1.46	0.56	1.23	1.33	1.89
Nitrate plus Nitrite Nitrogen (mg/L)	0.17	0.61	0.12	0.09	1.77	0.62
E. coli (col/100 mL) [7]	15,530	960	4,110	160	>24,200	>24,200

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