STORMWATER SAMPLING DATA

Town of Glastonbury
Glastonbury, Connecticut

General Information		
Sampling Personnel: Luke Whitehouse, Environmental Compliance Services, Inc.		
Sampling Date: 11/6/2014		
Rain Start Time: 08:00 am	Rain Stop Time: 08:00 pm	Runoff Start Time: unknown
Rain Description (i.e., drizzle, steady, downpour, etc.): Drizzle		
Outside Temperature: 45-50° F		
Magnitude of Storm Event (in inches): 0.24		
Date of Previous Storm Event of 0.1 Inches or More: 11/1/2014		
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.	8:45 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.	9:15 am
I-1	48" RCP pipe through retaining wall behind CVS Pharmacy on New London Tpke. Concrete of outfall pipe.	9:30 am
I-2	15" RCP pipe (discharging east) into retention pond south of corner at east end of Commerce St.	10:00 am
R-1	36" ACCMP pipe (discharging northeast) northeast of 279 Cavan Ln	10:10 am
R-2	18" RCP pipe (discharging south) behind 58 Whapley Rd.	8:30 am

Analysis Data
Laboratory Performing Analyses: Phoenix Environmental Laboratories, Inc.
Date Samples Dropped Off: 11/06/2014
Note: Attached are photographs of sample locations and laboratory report, including analytical results, techniques and methods used.

Comments
None.

2014 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 (SU) [3]	6.9	6.9	6.9	6.9	6.9	6.9
Stormwater pH (SU) [3]	6.94	5.21	7.22	7.29	6.52	7.84
Hardness (mg/L) [4]	83.1	24.5	230	29.0	207	75.8
Conductivity (umos) [5]	643	80	1,140	1,140	78	563
Oil and Grease (mg/L)	<1.4	1.6	<1.4	15	<1.4	<1.4
Chemical Oxygen Demand (mg/L)	<10	112	16	125	16	14
Turbidity (NTU) [6]	1.40	4.66	4.38	4.07	129	1.04
Total Suspended Solids (mg/L)	<5.0	38	<5.0	190	<5.0	<5.0
Total Phosphorous (mg/L)	0.03	0.50	0.09	0.55	0.15	0.03
Ammonia (mg/L)	0.11	0.40	0.41	1.80	0.04	0.17
Total Kjeldahl Nitrogen (mg/L)	0.65	2.02	1.27	4.65	0.62	0.62
Nitrate plus Nitrite Nitrogen (mg/L)	1.70	<0.01	2.49	0.76	1.33	1.67
E. coli (col/100 mL) [7]	7,700	<10	1,370	250	<10	100

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