

STORMWATER SAMPLING DATA

**Town of Glastonbury
Glastonbury, Connecticut**

General Information		
Sampling Personnel: Luke Whitehouse, Environmental Compliance Services, Inc.		
Sampling Date: 11/22/2013		
Rain Start Time: 7:20 am	Rain Stop Time: 1:05 pm	Runoff Start Time: unknown
Rain Description (i.e., drizzle, steady, downpour, etc.): Drizzle		
Outside Temperature: 45-50°s F		
Magnitude of Storm Event (in inches): 0.10		
Date of Previous Storm Event of 0.1 Inches or More: 11/18/2013		
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.	8:00 am
I-1	48" RCP pipe through retaining wall behind CVS Pharmacy on New London Tpke. Concrete of outfall pipe.	9:20 am
I-2	15" RCP pipe (discharging east) into retention pond south of corner at east end of Commerce St.	9:45 am
R-1	36" ACCMP pipe (discharging northeast) northeast of 279 Cavan Ln	10:15 am
R-2	18" RCP pipe (discharging south) behind 58 Whapley Rd.	10:45 am
Analysis Data		
Laboratory Performing Analyses: Phoenix Environmental Laboratories, Inc.		
Date Samples Dropped Off: 11/22/2013		
<u>Note:</u> Attached are photographs of sample locations and laboratory report, including analytical results, techniques and methods used.		
Comments		
C-2 was dry. Sampled collected from catch-basin on Naubuc Avenue. I-2 sampled from catch basin at the corner of Commerce Drive.		

2013 STORMWATER PHASE II SAMPLING 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⁾	NS ⁽⁸⁾	NS	NS	NS	NS	NS
Stormwater pH (SU) ⁽³⁾	7.09	6.10	7.32	6.65	7.64	7.43
Hardness (mg/L) ⁽⁴⁾	53.2	20.3	54.8	21.6	107	69.3
Conductivity (umos) ⁽⁵⁾	302	52	231	90	233	221
Oil and Grease (mg/L)	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Chemical Oxygen Demand (mg/L)	39	98	26	70	48	26
Turbidity (NTU) ⁽⁶⁾	8.28	3.23	2.75	43.4	3.51	0.43
Total Suspended Solids (mg/L)	5.0	190	<5.0	170	8.5	<5.0
Total Phosphorous (mg/L)	0.17	0.45	0.12	0.28	0.38	0.05
Ammonia (mg/L)	0.65	0.20	0.23	1.04	0.21	0.05
Total Kjeldahl Nitrogen (mg/L)	1.53	1.72	0.75	2.81	1.25	0.91
Nitrate plus Nitrite Nitrogen (mg/L)	1.66	<0.01	0.35	0.27	0.55	1.91
E. coli (col/100 mL) ⁽⁷⁾	7,270	80	<10	<10	320	20

Notes:

1. Refer to Stormwater Sampling Data form for the locations of each stormwater outfall.
2. Laboratory parameters are taken from the CT DEP 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
8. NS = Not Sampled