



# Town of Glastonbury

2155 MAIN STREET • P.O. BOX 6523 • GLASTONBURY, CONNECTICUT 06033-6523

December 14, 2010

GLASTONBURY  
PUBLIC WORKS  
FILE COPY

Ms. Nisha A. Patel  
Supervising Sanitary Engineer  
Water Permit Enforcement Division  
State of Connecticut  
Department of Environmental Protection  
79 Elm Street  
Hartford, CT 06106-5127

Re: MS4 General Permit – 2010 Testing Data  
Permit #GSM000057  
Invoice #DEP139287

Dear Ms. Patel:

Enclosed please find our 2010 testing data associated with the Town's MS4 General Permit. Also enclosed is a check in the amount of \$187.50 for plan review fees for the 2010 reporting year. The 2010 Annual Report will follow under separate cover.

If you have any questions or require any additional information, please contact me at (860) 652-7736.

Sincerely,

Daniel A. Pennington, P.E.  
Town Engineer/Manager of  
Physical Services

DAP/ce

Enclosures

cc: Stephen M. Braun, Assistant Town Engineer



**General Permit for the Discharge of Stormwater from Small  
Municipal Separate Storm Sewer Systems**

**Stormwater Monitoring Report Form**

**PERMITTEE INFORMATION**

Town: <u>Town of Glastonbury</u>
Mailing Address: <u>2155 Main Street, P.O. Box 6523, Glastonbury, CT 06033-7734</u>
Contact Person: <u>Robert Shirshac</u> Title: <u>Senior Engineering Technician</u> Phone: <u>860-652-7742</u>
Permit Registration # <u>GSM000057</u>

**SAMPLING INFORMATION**

Discharge Location (Lat/Long or other description): <u>C-1 (42 inch RCP pipe behind stores at south end of Griswold Mall on Main Street)</u>
Please circle the appropriate area description: Industrial, <u>Commercial</u> or Residential
Receiving Water (name, basin): <u>Salmon Brook, Connecticut River Drainage Basin (#4406)</u>
Time of Start of Discharge: <u>Variable</u>
Date/Time Collected: <u>9/27/10 at 6:00 pm</u> Water Temperature: _____
Person Collecting Sample: <u>M. Reiser of Environmental Compliance Services, Inc.</u>
Storm Magnitude (inches): <u>approx. 0.13</u> Storm Duration (hours): <u>approx. 5.5 hours</u>
Date of Previous Storm Event: <u>9/16/10</u>

**MONITORING RESULTS**

Parameter	Method	Results (units)	Laboratory
Sample pH	4500-HB/9040	6.08 SU	Phoenix Environmental Laboratories, Inc.
Rain pH	Litmus Paper	5.5 SU	Environmental Compliance Services, Inc.
Hardness	SW 6010/EPA 200.	31.1 mg/L	Phoenix Environmental Laboratories, Inc.
Conductivity	SM 2510B	199 umos	Phoenix Environmental Laboratories, Inc.
Oil & Grease	EPA 1664A	1.7 mg/L	Phoenix Environmental Laboratories, Inc.
COD	SM 5220 D	83 mg/L	Phoenix Environmental Laboratories, Inc.
Turbidity	E 180.1	18.0 NTU	Phoenix Environmental Laboratories, Inc.
TSS	SM 2540 D	48 mg/L	Phoenix Environmental Laboratories, Inc.
TP	SM 4500 PE	0.25 mg/L	Phoenix Environmental Laboratories, Inc.
Ammonia	350.1	0.48 mg/L	Phoenix Environmental Laboratories, Inc.
TKN	E 351.1	1 mg/L	Phoenix Environmental Laboratories, Inc.
NO <sub>3</sub> +NO <sub>2</sub>	E 353.2	1.0 mg/L	Phoenix Environmental Laboratories, Inc.
E. coli	SM 9223 B	>24,200 col/100 mL	Phoenix Environmental Laboratories, Inc.

**STATEMENT OF ACKNOWLEDGMENT**

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the MS4 General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.	
Authorized Official: <u>Robert Shirshac, Senior Engineering Technician</u>	
Signature: <u><i>Robert Shirshac</i></u>	Date: <u>10/14/2010</u>



**General Permit for the Discharge of Stormwater from Small  
Municipal Separate Storm Sewer Systems**

**Stormwater Monitoring Report Form**

**PERMITTEE INFORMATION**

Town: <u>Town of Glastonbury</u>
Mailing Address: <u>2155 Main Street, P.O. Box 6523, Glastonbury, CT 06033-7734</u>
Contact Person: <u>Robert Shirshac</u> Title: <u>Senior Engineering Technician</u> Phone: <u>860-652-7742</u>
Permit Registration # <u>GSM000057</u>

**SAMPLING INFORMATION**

Discharge Location (Lat/Long or other description): <u>C-2 (60 inch RCP pipe north of parking lot for 379 Naubuc Ave. on west side of Naubuc Ave. at intersection with Glastonbury Blvd.)</u>
Please circle the appropriate area description: Industrial, <u>Commercial</u> or Residential
Receiving Water (name, basin): <u>Salmon Brook, Connecticut River Drainage Basin (#4406)</u>
Time of Start of Discharge: <u>Variable</u>
Date/Time Collected: <u>9/27/10 at 6:15 pm</u> Water Temperature: _____
Person Collecting Sample: <u>M. Reiser of Environmental Compliance Services, Inc.</u>
Storm Magnitude (inches): <u>approx. 0.13</u> Storm Duration (hours): <u>approx. 5.5 hours</u>
Date of Previous Storm Event: <u>9/16/10</u>

**MONITORING RESULTS**

Parameter	Method	Results (units)	Laboratory
Sample pH	4500-HB/9040	6.81 SU	Phoenix Environmental Laboratories, Inc.
Rain pH	Litmus Paper	5.5 SU	Environmental Compliance Services, Inc.
Hardness	SW 6010/EPA 200.	16.7 mg/L	Phoenix Environmental Laboratories, Inc.
Conductivity	SM 2510B	104 umos	Phoenix Environmental Laboratories, Inc.
Oil & Grease	EPA 1664A	3.3 mg/L	Phoenix Environmental Laboratories, Inc.
COD	SM 5220 D	120 mg/L	Phoenix Environmental Laboratories, Inc.
Turbidity	E 180.1	24.3 NTU	Phoenix Environmental Laboratories, Inc.
TSS	SM 2540 D	13 mg/L	Phoenix Environmental Laboratories, Inc.
TP	SM 4500 PE	<0.02 mg/L	Phoenix Environmental Laboratories, Inc.
Ammonia	350.1	2.4 mg/L	Phoenix Environmental Laboratories, Inc.
TKN	E 351.1	4 mg/L	Phoenix Environmental Laboratories, Inc.
NO <sub>3</sub> +NO <sub>2</sub>	E 353.2	0.95 mg/L	Phoenix Environmental Laboratories, Inc.
E. coli	SM 9223 B	1,350 col/100 mL	Phoenix Environmental Laboratories, Inc.

**STATEMENT OF ACKNOWLEDGMENT**

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the MS4 General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.	
Authorized Official: <u>Robert Shirshac, Senior Engineering Technician</u>	
Signature: <u><i>Robert Shirshac</i></u>	Date: <u>10/14/2010</u>



**General Permit for the Discharge of Stormwater from Small  
Municipal Separate Storm Sewer Systems**

**Stormwater Monitoring Report Form**

**PERMITTEE INFORMATION**

Town: Town of Glastonbury

Mailing Address: 2155 Main Street, P.O. Box 6523, Glastonbury, CT 06033-7734

Contact Person: Robert Shirshac Title: Senior Engineering Technician Phone: 860-652-7742

Permit Registration # GSM000057

**SAMPLING INFORMATION**

Discharge Location (Lat/Long or other description): I-1 (48 inch RCP pipe through retaining wall behind CVS Pharmacy on New London Tpke. just south of intersection with Oak St.)

Please circle the appropriate area description: (Industrial) Commercial or Residential

Receiving Water (name, basin): Hubbard Brook, Connecticut River Drainage Basin (#4407)

Time of Start of Discharge: Variable

Date/Time Collected: 9/27/10 at 5:35 pm Water Temperature: \_\_\_\_\_

Person Collecting Sample: M. Reiser of Environmental Compliance Services, Inc.

Storm Magnitude (inches): approx. 0.13 Storm Duration (hours): approx. 5.5 hours

Date of Previous Storm Event: 9/16/10

**MONITORING RESULTS**

Parameter	Method	Results (units)	Laboratory
Sample pH	4500-HB/9040	6.91 SU	Phoenix Environmental Laboratories, Inc.
Rain pH	Litmus Paper	5.5 SU	Environmental Compliance Services, Inc.
Hardness	SW 6010/EPA 200.	18.0 mg/L	Phoenix Environmental Laboratories, Inc.
Conductivity	SM 2510B	85 umos	Phoenix Environmental Laboratories, Inc.
Oil & Grease	EPA 1664A	4.1 mg/L	Phoenix Environmental Laboratories, Inc.
COD	SM 5220 D	65 mg/L	Phoenix Environmental Laboratories, Inc.
Turbidity	E 180.1	30.3 NTU	Phoenix Environmental Laboratories, Inc.
TSS	SM 2540 D	25 mg/L	Phoenix Environmental Laboratories, Inc.
TP	SM 4500 PE	0.07 mg/L	Phoenix Environmental Laboratories, Inc.
Ammonia	350.1	0.84 mg/L	Phoenix Environmental Laboratories, Inc.
TKN	E 351.1	1.5 mg/L	Phoenix Environmental Laboratories, Inc.
NO <sub>3</sub> +NO <sub>2</sub>	E 353.2	0.58 mg/L	Phoenix Environmental Laboratories, Inc.
E. coli	SM 9223 B	1,020 col/100 mL	Phoenix Environmental Laboratories, Inc.

**STATEMENT OF ACKNOWLEDGMENT**

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the MS4 General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Authorized Official: Robert Shirshac, Senior Engineering Technician

Signature: *Robert Shirshac* Date: 12/14/2010



**General Permit for the Discharge of Stormwater from Small  
Municipal Separate Storm Sewer Systems**

**Stormwater Monitoring Report Form**

**PERMITTEE INFORMATION**

Town: <u>Town of Glastonbury</u>
Mailing Address: <u>2155 Main Street, P.O. Box 6523, Glastonbury, CT 06033-7734</u>
Contact Person: <u>Robert Shirshac</u> Title: <u>Senior Engineering Technician</u> Phone: <u>860-652-7742</u>
Permit Registration # <u>GSM000057</u>

**SAMPLING INFORMATION**

Discharge Location (Lat/Long or other description): <u>I-2 (15 inch RCP pipe into retention pond south of corner at east end of Commerce St.)</u>
Please circle the appropriate area description: <u>Industrial</u> Commercial or Residential
Receiving Water (name, basin): <u>Hubbard Brook, Connecticut River Drainage Basin (#4407)</u>
Time of Start of Discharge: <u>Variable</u>
Date/Time Collected: <u>9/27/10 at 5:40 pm</u> Water Temperature: _____
Person Collecting Sample: <u>M. Reiser of Environmental Compliance Services, Inc.</u>
Storm Magnitude (inches): <u>approx. 0.13</u> Storm Duration (hours): <u>approx. 5.5 hours</u>
Date of Previous Storm Event: <u>9/16/10</u>

**MONITORING RESULTS**

Parameter	Method	Results (units)	Laboratory
Sample pH	4500-HB/9040	4.25 SU	Phoenix Environmental Laboratories, Inc.
Rain pH	Litmus Paper	5.5 SU	Environmental Compliance Services, Inc.
Hardness	SW 6010/EPA 200.	28.4 mg/L	Phoenix Environmental Laboratories, Inc.
Conductivity	SM 2510B	189 umos	Phoenix Environmental Laboratories, Inc.
Oil & Grease	EPA 1664A	3.0 mg/L	Phoenix Environmental Laboratories, Inc.
COD	SM 5220 D	170 mg/L	Phoenix Environmental Laboratories, Inc.
Turbidity	E 180.1	105 NTU	Phoenix Environmental Laboratories, Inc.
TSS	SM 2540 D	86 mg/L	Phoenix Environmental Laboratories, Inc.
TP	SM 4500 PE	0.06 mg/L	Phoenix Environmental Laboratories, Inc.
Ammonia	350.1	2 mg/L	Phoenix Environmental Laboratories, Inc.
TKN	E 351.1	3.7 mg/L	Phoenix Environmental Laboratories, Inc.
NO <sub>3</sub> +NO <sub>2</sub>	E 353.2	0.47 mg/L	Phoenix Environmental Laboratories, Inc.
E. coli	SM 9223 B	1,050 col/100 mL	Phoenix Environmental Laboratories, Inc.

**STATEMENT OF ACKNOWLEDGMENT**

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the MS4 General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.	
Authorized Official: <u>Robert Shirshac, Senior Engineering Technician</u>	
Signature: <u><i>Robert Shirshac</i></u>	Date: <u>12/14/2010</u>





**General Permit for the Discharge of Stormwater from Small  
Municipal Separate Storm Sewer Systems**

**Stormwater Monitoring Report Form**

**PERMITTEE INFORMATION**

Town: Town of Glastonbury

Mailing Address: 2155 Main Street, P.O. Box 6523, Glastonbury, CT 06033-7734

Contact Person: Robert Shirshac Title: Senior Engineering Technician Phone: 860-652-7742

Permit Registration # GSM000057

**SAMPLING INFORMATION**

Discharge Location (Lat/Long or other description): R-1 (36 inch ACCMP pipe northeast of 279 Cavan Ln.)

Please circle the appropriate area description: Industrial, Commercial or **Residential**

Receiving Water (name, basin): Salmon Brook, Connecticut River Drainage Basin (#4406)

Time of Start of Discharge: Variable

Date/Time Collected: 9/27/10 at 5:50 pm Water Temperature: \_\_\_\_\_

Person Collecting Sample: M. Reiser of Environmental Compliance Services, Inc.

Storm Magnitude (inches): approx. 0.13 Storm Duration (hours): approx. 5.5 hours

Date of Previous Storm Event: 9/16/10

**MONITORING RESULTS**

Parameter	Method	Results (units)	Laboratory
Sample pH	4500-HB/9040	7.43 SU	Phoenix Environmental Laboratories, Inc.
Rain pH	Litmus Paper	5.5 SU	Environmental Compliance Services, Inc.
Hardness	SW 6010/EPA 200.	40.7 mg/L	Phoenix Environmental Laboratories, Inc.
Conductivity	SM 2510B	190 umos	Phoenix Environmental Laboratories, Inc.
Oil & Grease	EPA 1664A	<1.4 mg/L	Phoenix Environmental Laboratories, Inc.
COD	SM 5220 D	37 mg/L	Phoenix Environmental Laboratories, Inc.
Turbidity	E 180.1	8.50 NTU	Phoenix Environmental Laboratories, Inc.
TSS	SM 2540 D	5.0 mg/L	Phoenix Environmental Laboratories, Inc.
TP	SM 4500 PE	0.10 mg/L	Phoenix Environmental Laboratories, Inc.
Ammonia	350.1	0.36 mg/L	Phoenix Environmental Laboratories, Inc.
TKN	E 351.1	1.8 mg/L	Phoenix Environmental Laboratories, Inc.
NO <sub>3</sub> +NO <sub>2</sub>	E 353.2	1.0 mg/L	Phoenix Environmental Laboratories, Inc.
E. coli	SM 9223 B	2,480 col/100 mL	Phoenix Environmental Laboratories, Inc.

**STATEMENT OF ACKNOWLEDGMENT**

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the MS4 General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Authorized Official: Robert Shirshac, Senior Engineering Technician

Signature: *Robert Shirshac* Date: 12/14/2010



**General Permit for the Discharge of Stormwater from Small  
Municipal Separate Storm Sewer Systems**

**Stormwater Monitoring Report Form**

**PERMITTEE INFORMATION**

Town: Town of Glastonbury

Mailing Address: 2155 Main Street, P.O. Box 6523, Glastonbury, CT 06033-7734

Contact Person: Robert Shirshac Title: Senior Engineering Technician Phone: 860-652-7742

Permit Registration # GSM000057

**SAMPLING INFORMATION**

Discharge Location (Lat/Long or other description): R-2 (18 inch RCP pipe behind 58 Whapley Rd.)

Please circle the appropriate area description: Industrial, Commercial or **Residential**

Receiving Water (name, basin): Hubbard Brook, Connecticut River Drainage Basin (#4407)

Time of Start of Discharge: Variable

Date/Time Collected: 9/27/10 at 5:20 pm Water Temperature: \_\_\_\_\_

Person Collecting Sample: M. Reiser of Environmental Compliance Services, Inc.

Storm Magnitude (inches): approx. 0.13 Storm Duration (hours): approx. 5.5 hours

Date of Previous Storm Event: 9/16/10

**MONITORING RESULTS**

Parameter	Method	Results (units)	Laboratory
Sample pH	4500-HB/9040	7.58 SU	Phoenix Environmental Laboratories, Inc.
Rain pH	Litmus Paper	5.5 SU	Environmental Compliance Services, Inc.
Hardness	SW 6010/EPA 200.	65.9 mg/L	Phoenix Environmental Laboratories, Inc.
Conductivity	SM 2510B	264 umos	Phoenix Environmental Laboratories, Inc.
Oil & Grease	EPA 1664A	<1.6 mg/L	Phoenix Environmental Laboratories, Inc.
COD	SM 5220 D	<10 mg/L	Phoenix Environmental Laboratories, Inc.
Turbidity	E 180.1	1.69 NTU	Phoenix Environmental Laboratories, Inc.
TSS	SM 2540 D	8.0 mg/L	Phoenix Environmental Laboratories, Inc.
TP	SM 4500 PE	<0.02 mg/L	Phoenix Environmental Laboratories, Inc.
Ammonia	350.1	0.14 mg/L	Phoenix Environmental Laboratories, Inc.
TKN	E 351.1	0.49 mg/L	Phoenix Environmental Laboratories, Inc.
NO <sub>3</sub> +NO <sub>2</sub>	E 353.2	2.9 mg/L	Phoenix Environmental Laboratories, Inc.
E. coli	SM 9223 B	2,600 col/100 mL	Phoenix Environmental Laboratories, Inc.

**STATEMENT OF ACKNOWLEDGMENT**

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the MS4 General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Authorized Official: Robert Shirshac, Senior Engineering Technician

Signature: *Robert Shirshac* Date: 12/14/2010