



Town of Glastonbury

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

January 16, 2009

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

GLASTONBURY
PUBLIC WORKS
FILE COPY

Re: MS4 General Permit – 2008 Testing Data
Application #200401149

Dear Ms. Patel:

Enclosed please find our 2008 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 2008 reporting year. The 2008 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: Town of Glastonbury

Mailing Address: 2155 Main Street, Glastonbury, CT 06033

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

Permit Registration # GSM000057

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): #1 30" RCP: South of Naubuc Avenue

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

Receiving Water (name, basin): Keeney Cove/CT River

Time of Start of Discharge: Approximately 6pm

Date/Time Collected: 9/12/08 7:12pm-7:24pm Water Temperature: 18.5 degC

Person Collecting Sample: Delores St.Louis – TurnKey Compliance Solutions, LLC

Storm Magnitude (inches): 0.54 inch Storm Duration (hours): > 8 hours

Date of Previous Storm Event: 9/9/08

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	pH Probe	7.24 s.u.	Field Measurement
Rain pH	pH Probe	6.13 s.u.	Field Measurement
Hardness	S 2340 B	6.34 mg/l	Phoenix Environmental Laboratories
Conductivity	SM 2510 B	48.0 umhos/cm	Phoenix Environmental Laboratories
Oil & Grease	EPA 1664	<1.5 mg/l	Phoenix Environmental Laboratories
COD	SM 5220 D	23 mg/l	Phoenix Environmental Laboratories
Turbidity	E 180.1	4.08 NTU	Phoenix Environmental Laboratories
TSS	SM 2540 D	6.5 mg/l	Phoenix Environmental Laboratories
TP	E 365.2	0.06 mg/l	Phoenix Environmental Laboratories
Ammonia	S 4500 NH3	0.76 mg/l	Phoenix Environmental Laboratories
TKN	E 351.1	1.7 mg/l	Phoenix Environmental Laboratories
NO ₃ +NO ₂	E 353.2	0.14 mg/l	Phoenix Environmental Laboratories
E. coli	SM 9222 G	>2000 /100 mls	Phoenix Environmental Laboratories

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: Daniel Pennington, Town Engineer/Manager of Physical Services

Signature: *Daniel A. Pennington* Date: 11/7/09



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, Glastonbury, CT 06033</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>#2 36" ACCMP: West of Welles Street on Curve</u>
Please circle the appropriate area description: Industrial, <u>Commercial</u> , or Residential
Receiving Water (name, basin): <u>CT River</u>
Time of Start of Discharge: <u>Approximately 6pm</u>
Date/Time Collected: <u>9/12/08 7:55pm</u> Water Temperature: <u>18.5 degC</u>
Person Collecting Sample: <u>Delores St.Louis – TurnKey Compliance Solutions, LLC</u>
Storm Magnitude (inches): <u>0.54 inch</u> Storm Duration (hours): <u>> 8 hours</u>
Date of Previous Storm Event: <u>9/9/08</u>

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	pH Probe	7.78 s.u.	Field Measurement
Rain pH	pH Probe	6.13 s.u.	Field Measurement
Hardness	S 2340 B	7.56 mg/l	Phoenix Environmental Laboratories
Conductivity	SM 2510 B	39.2 umhos/cm	Phoenix Environmental Laboratories
Oil & Grease	EPA 1664	<2.9 mg/l	Phoenix Environmental Laboratories
COD	SM 5220 D	<10 mg/l	Phoenix Environmental Laboratories
Turbidity	E 180.1	4.38 NTU	Phoenix Environmental Laboratories
TSS	SM 2540 D	6.0 mg/l	Phoenix Environmental Laboratories
TP	E 365.2	0.01 mg/l	Phoenix Environmental Laboratories
Ammonia	S 4500 NH3	0.18 mg/l	Phoenix Environmental Laboratories
TKN	E 351.1	0.64 mg/l	Phoenix Environmental Laboratories
NO ₃ +NO ₂	E 353.2	0.39 mg/l	Phoenix Environmental Laboratories
E. coli	SM 9222 G	>2000 /100 mls	Phoenix Environmental Laboratories

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>Daniel Pennington, Town Engineer/Manager of Physical Services</u>
Signature:	<u><i>Daniel Pennington</i></u> Date: <u>11/7/09</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, Glastonbury, CT 06033</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>#3 15"RCP: West of Nutmeg Lane cul-de-sac</u>
Please circle the appropriate area description: <u>Industrial</u> , Commercial, or Residential
Receiving Water (name, basin): <u>Hubbard Brook</u>
Time of Start of Discharge: <u>Approximately 6pm</u>
Date/Time Collected: <u>9/12/08 8:24pm</u> Water Temperature: <u>18.9 degC</u>
Person Collecting Sample: <u>Delores St.Louis – TurnKey Compliance Solutions, LLC</u>
Storm Magnitude (inches): <u>0.54 inch</u> Storm Duration (hours): <u>> 8 hours</u>
Date of Previous Storm Event: <u>9/9/08</u>

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	pH Probe	8.24 s.u.	Field Measurement
Rain pH	pH Probe	6.13 s.u.	Field Measurement
Hardness	S 2340 B	2.81 mg/l	Phoenix Environmental Laboratories
Conductivity	SM 2510 B	11.3 umhos/cm	Phoenix Environmental Laboratories
Oil & Grease	EPA 1664	<1.5 mg/l	Phoenix Environmental Laboratories
COD	SM 5220 D	<10 mg/l	Phoenix Environmental Laboratories
Turbidity	E 180.1	2.01 NTU	Phoenix Environmental Laboratories
TSS	SM 2540 D	<5.0 mg/l	Phoenix Environmental Laboratories
TP	E 365.2	0.04 mg/l	Phoenix Environmental Laboratories
Ammonia	S 4500 NH3	0.14 mg/l	Phoenix Environmental Laboratories
TKN	E 351.1	0.63 mg/l	Phoenix Environmental Laboratories
NO ₃ +NO ₂	E 353.2	0.07 mg/l	Phoenix Environmental Laboratories
E. coli	SM 9222 G	120 /100 mls	Phoenix Environmental Laboratories

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>Daniel Pennington, Town Engineer/Manager of Physical Services</u>
Signature:	<u><i>Daniel A. Pennington</i></u> Date: <u>11/7/09</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, Glastonbury, CT 06033</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>#4 42"RCP: Southeast of Kreiger Lane cul-de-sac</u>
Please circle the appropriate area description: <u>Industrial</u> , Commercial, or Residential
Receiving Water (name, basin): <u>Hubbard Brook</u>
Time of Start of Discharge: <u>Approximately 6pm</u>
Date/Time Collected: <u>9/12/08 8:41pm</u> Water Temperature: <u>19.0 degC</u>
Person Collecting Sample: <u>Delores St.Louis – TurnKey Compliance Solutions, LLC</u>
Storm Magnitude (inches): <u>0.54 inch</u> Storm Duration (hours): <u>> 8 hours</u>
Date of Previous Storm Event: <u>9/9/08</u>

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	pH Probe	7.06 s.u.	Field Measurement
Rain pH	pH Probe	6.13 s.u.	Field Measurement
Hardness	S 2340 B	5.35 mg/l	Phoenix Environmental Laboratories
Conductivity	SM 2510 B	37.0 umhos/cm	Phoenix Environmental Laboratories
Oil & Grease	EPA 1664	<1.5 mg/l	Phoenix Environmental Laboratories
COD	SM 5220 D	10 mg/l	Phoenix Environmental Laboratories
Turbidity	E 180.1	2.48 NTU	Phoenix Environmental Laboratories
TSS	SM 2540 D	<5.0 mg/l	Phoenix Environmental Laboratories
TP	E 365.2	0.03 mg/l	Phoenix Environmental Laboratories
Ammonia	S 4500 NH3	0.15 mg/l	Phoenix Environmental Laboratories
TKN	E 351.1	0.54 mg/l	Phoenix Environmental Laboratories
NO ₃ +NO ₂	E 353.2	0.25 mg/l	Phoenix Environmental Laboratories
E. coli	SM 9222 G	>2000 /100 mls	Phoenix Environmental Laboratories

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>Daniel Pennington, Town Engineer/Manager of Physical Services</u>
Signature:	<u><i>Daniel A. Pennington</i></u> Date: <u>11/7/08</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, Glastonbury, CT 06033

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

Permit Registration #GSM000057

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): #5 15"RCP: 400' West of Warner Court cul-de-sac

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

Receiving Water (name, basin): Hubbard Brook

Time of Start of Discharge: Approximately 6pm

Date/Time Collected: 9/12/08 9:23pm Water Temperature: 17.2 degC

Person Collecting Sample: Delores St.Louis – TurnKey Compliance Solutions, LLC

Storm Magnitude (inches): 0.54 inch Storm Duration (hours): > 8 hours

Date of Previous Storm Event: 9/9/08

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	pH Probe	7.84 s.u.	Field Measurement
Rain pH	pH Probe	6.13 s.u.	Field Measurement
Hardness	S 2340 B	3.98 mg/l	Phoenix Environmental Laboratories
Conductivity	SM 2510 B	68.6 umhos/cm	Phoenix Environmental Laboratories
Oil & Grease	EPA 1664	<1.5 mg/l	Phoenix Environmental Laboratories
COD	SM 5220 D	14 mg/l	Phoenix Environmental Laboratories
Turbidity	E 180.1	3.06 NTU	Phoenix Environmental Laboratories
TSS	SM 2540 D	13 mg/l	Phoenix Environmental Laboratories
TP	E 365.2	0.03 mg/l	Phoenix Environmental Laboratories
Ammonia	S 4500 NH3	0.07 mg/l	Phoenix Environmental Laboratories
TKN	E 351.1	0.98 mg/l	Phoenix Environmental Laboratories
NO ₃ +NO ₂	E 353.2	4.6 mg/l	Phoenix Environmental Laboratories
E. coli	SM 9222 G	>2000 /100 mls	Phoenix Environmental Laboratories

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: Daniel Pennington, Town Engineer/Manager of Physical Services

Signature: *Daniel A. Pennington* Date: 11/21/09



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, Glastonbury, CT 06033</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>#6 30"RCP: 300' East of Rosewood Drive near School</u>
Please circle the appropriate area description: Industrial, Commercial, or Residential
Receiving Water (name, basin): <u>Salmon Brook</u>
Time of Start of Discharge: <u>Approximately 6pm</u>
Date/Time Collected: <u>9/12/08 10:13pm</u> Water Temperature: <u>14.0 degC</u>
Person Collecting Sample: <u>Delores St.Louis – TurnKey Compliance Solutions, LLC</u>
Storm Magnitude (inches): <u>0.54 inch</u> Storm Duration (hours): <u>> 8 hours</u>
Date of Previous Storm Event: <u>9/9/08</u>

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	pH Probe	6.44 s.u.	Field Measurement
Rain pH	pH Probe	6.13 s.u.	Field Measurement
Hardness	S 2340 B	66.2 mg/l	Phoenix Environmental Laboratories
Conductivity	SM 2510 B	257 umhos/cm	Phoenix Environmental Laboratories
Oil & Grease	EPA 1664	<1.5 mg/l	Phoenix Environmental Laboratories
COD	SM 5220 D	<10 mg/l	Phoenix Environmental Laboratories
Turbidity	E 180.1	0.97 NTU	Phoenix Environmental Laboratories
TSS	SM 2540 D	<5.0 mg/l	Phoenix Environmental Laboratories
TP	E 365.2	0.02 mg/l	Phoenix Environmental Laboratories
Ammonia	S 4500 NH3	0.12 mg/l	Phoenix Environmental Laboratories
TKN	E 351.1	1.1 mg/l	Phoenix Environmental Laboratories
NO ₃ +NO ₂	E 353.2	5.8 mg/l	Phoenix Environmental Laboratories
E. coli	SM 9222 G	<10 /100 mls	Phoenix Environmental Laboratories

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>Daniel Pennington, Town Engineer/Manager of Physical Services</u>	
Signature: <u></u>	Date: <u>11/1/09</u>



STATE OF CONNECTICUT
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 79 ELM STREET
 HARTFORD, CT 06106-5127

CO./IND. NAME: RICHARD J. JOHNSON
 TOWN OF GLASTONBURY
 2155 MAIN ST
 GLASTONBURY, CT 06033-

BILLED DATE: 10-23-2008
 INVOICE NUMBER: 112334
 PREVIOUS INVOICE NUMBER:
 FEIN/SSN:

INSTRUCTIONS:

- * MAKE CHECKS PAYABLE TO: DEPARTMENT OF ENVIRONMENTAL PROTECTION.
- * BE SURE TO INCLUDE THE INVOICE NUMBER ON YOUR CHECK.
- * RETURN THE ONE COPY WITH YOUR PAYMENT.
- * MAIL PAYMENT TO:
 - CENTRAL PERMIT PROCESSING UNIT
 - DEPARTMENT OF ENVIRONMENTAL PROTECTION
 - 79 ELM STREET
 - HARTFORD, CT 06106-5127
- * IF PAYMENT IS NOT RECEIVED BY THE DUE DATE, LATE CHARGES WILL ACCRUE AT THE RATE APPLICABLE TO THE SPECIFIC PROGRAM AND CATEGORY OF FEE.
- * IF YOU HAVE ANY QUESTIONS REGARDING RECEIPT OF PAYMENT OR CHANGE OF ADDRESS, PLEASE CALL THE CENTRAL PERMIT PROCESSING UNIT AT (860)424-4004. IF YOU HAVE QUESTIONS REGARDING SITE LOCATION OR TECHNICAL INFORMATION ABOUT THIS INVOICE, PLEASE CONTACT WATER BUREAU AT (860) 424-3018.

TOTAL AMOUNT DUE: \$	187.50	PAYMENT DUE DATE:	01-01-2009
----------------------	--------	-------------------	------------

BILLING DETAIL - PAGE: 1 OF 1

ACCT	SID	FUNC	PROGRAM	REFERENCE ID	DESCRIPTION	FEE AMOUNT	DISC %	NET AMOUNT
206	177	925	GENPT	GSM000057	STORMWATER PLAN REVIEW ANNUAL FEE PERMIT EXPIRES ON: 1-8-2009	187.50	0	187.50

THIS INVOICE COVERS THE FISCAL PERIOD FROM 7/1/08 TO 6/30/09

Please note: most fees required pursuant to Title 22a of the Connecticut General Statutes, and regulations thereunder, were increased effective August 21, 2003.

cc: