

Sullivan Independence Hall 725 Old Post Road Fairfield, Connecticut 06824 Engineering Department

(203) 256-3015 FAX (203) 256-3080

June 4, 2015

Christopher O. Stone, P.E.
Stormwater Permit Coordinator
CT DEP
79 Elm Street
Hartford CT 06106

RE: Town of Fairfield – Stormwater Monitoring Results from <u>PHASE 1</u> Activities are enclosed Sample dates: April 20, 2015.

Dear Mr. Stone:

Enclosed are the Town of Fairfield's Stormwater monitoring results for Phase 1. Reference is made to the following:

Fairfield DPW Yard: GSI - 001448

Fairfield/Former Ground Products Site/Current Green Cycle (Compost Facility) GSI-001871

Fairfield WPCF (Sewage Treatment Plant) GSI-001992 Site #51-001

Town Marina/Boat Basin results are included GSI-002240

We are also submitting the monitoring results for Phase 2 MS4 also sampled on April 20, 2015.

DPW #3 is now considered inactive/obsolete as site has been re-graded and pipe is bulkheaded.

Please contact me if you have any questions or comments.

Sincerely,

William Hurley, P.E.

**Engineering Manager** 

WH:pal

Enc.



## Stormwater Monitoring Report Form

## **PERMITTEE INFORMATION**

Town: Town of Fairfield	
Mailing Address: 725 Old Post Road	
Contact Person: William Hurley Title: Eng. Manager Phone: 203-256-3015	
Permit Registration #GSM: 000012	

## **SAMPLING INFORMATION**

Discharge Location (Lat/Long or other description): Flintlock N41° - 8.742' W73° -17.614'			
Please circle the appropriate area description: Industria	l, Commercial, or Residential		
Receiving Water (name, basin): Mill River			
Time of Start of Discharge: est.7:00 AM			
Date/Time Collected: April 20, 2015 Water Temperature: 49°			
Person Collecting Sample: Chris Rogers / John Chizmadia			
Storm Magnitude (inches): 0.82"	Storm Duration (hours): 12hrs		
Date of Previous Storm Event: April 17, 2015			

## **MONITORING RESULTS**

Parameter	Method	Results (units)	Laboratory
Sample pH	4500H-B	6.47	PH-0116
Rain pH	WPCF Data	4.9	PH-0116
Hardness	200.7	49	PH-0116
Conductivity	2510B	180	PH-0116
Oil & Grease	1664A	ND < 5.0	PH-0116
COD	5220D	39	PH-0116
Turbidity	180.1	11	PH-0116
TSS	2450D	36	PH-0116
TP	365.4	ND < 0.10	PH-0116
Ammonia	350.1	0.23	PH-0116
TKN	351.2	1.5	PH-0116
NO <sub>3</sub> +NO <sub>2</sub>	300.0	0.43	PH-0116
E. coli	SM9223B	886.4	PH-0535

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:	W,	Man	Hulley		Eng monage
Signature:	William	Hurle		Date:	6/4/15



## Stormwater Monitoring Report Form

## **PERMITTEE INFORMATION**

Town: Town of Fairfield
Mailing Address: 725 Old Post Road
Contact Person: William Hurley Title: Eng. Manager Phone: 203-256-3015
Permit Registration #GSM: 000012

## **SAMPLING INFORMATION**

Discharge Location (Lat/Long or other description): Mil	II Hill Terr. N41° - 8.705' W73° – 17.083'		
Please circle the appropriate area description: Industria	ıl, Commercial, or Residential		
Receiving Water (name, basin): Sasco Brook			
Time of Start of Discharge: est 7:00 AM			
Date/Time Collected: April 20, 2015 Water Temperature: 49°			
Person Collecting Sample: Chris Rogers / John Chizm	adia		
Storm Magnitude (inches): 0.82"	Storm Duration (hours): 12hrs		
Date of Previous Storm Event: April 17, 2015			

## **MONITORING RESULTS**

Parameter	Method	Results (units)	Laboratory
Sample pH	4500H-B	6.64	PH-0116
Rain pH	WPCF Data	4.9	PH-0116
Hardness	200.7	20	PH-0116
Conductivity	2510B	48	PH-0116
Oil & Grease	1664A	ND < 5.0	PH-0116
COD	5220D	110	PH-0116
Turbidity	180.1	68	PH-0116
TSS	2450D	200	PH-0116
TP	365.4	0.41	PH-0116
Ammonia	350.1	0.38	PH-0116
TKN	351.2	2.3	PH-0116
NO <sub>3</sub> +NO <sub>2</sub>	300.0	0.28	PH-0116
E. coli	SM9223B	>72419.6	PH-0535

	MS4 General Permit.			my direction or supervision in , to the best of my knowledge
Authorized Official:	William	Huley	Eng	Meurejer
Signature:	Wllean	Kerly	Date: _	6/4/15



## Stormwater Monitoring Report Form

## **PERMITTEE INFORMATION**

Town:Town of Fairfield		=		
Mailing Address: <u>725 Old Post Road</u>				
Contact Person: William Hurley	_ Title:	Eng. Manager	Phone:	203-256-3015
Permit Registration #GSM: 000012				

## **SAMPLING INFORMATION**

Discharge Location (Lat/Long or other description): Tin	nothy St. N41° – 8.952' W73° – 15.125'			
Please circle the appropriate area description: Industria	I, Commercial, or Residential			
Receiving Water (name, basin): Turney Creek				
Time of Start of Discharge: est. 7:00 AM				
Date/Time Collected: April 20, 2015 Water Temperature: 49°				
Person Collecting Sample: Chris Rogers / John Chizmadia				
Storm Magnitude (inches): 0.82"	Storm Duration (hours): 12hrs			
Date of Previous Storm Event: April 17, 2015				

## **MONITORING RESULTS**

Parameter	Method	Results (units)	Laboratory
Sample pH	4500H-B	6.52	PH-0116
Rain pH	WPCF Data	4.9	PH-0116
Hardness	200.7	18	PH-0116
Conductivity	2510B	190	PH-0116
Oil & Grease	1664A	ND < 5.0	PH-0116
COD	5220D	98	PH-0116
Turbidity	180.1	59	PH-0116
TSS	2450D	140	PH-0116
TP	365.4	0.29	PH-0116
Ammonia	350.1	0.29	PH-0116
TKN	351.2	1.9	PH-0116
NO <sub>3</sub> +NO <sub>2</sub>	300.0	0.40	PH-0116
E. coli	SM9223B	1732.9	PH-0535

I certify that the data accordance with the and belief, true, accur	MS4 General Permit. Th	ent were prepared e information sub	d under my mitted is, to	y direction or supervision in the best of my knowledge
Authorized Official:	William	Hurley	Eng	Manager
Signature:	Wlliam 1	Lylo	Date:	6/4/15



## Stormwater Monitoring Report Form

## **PERMITTEE INFORMATION**

Town: <u>Town of Fairfield</u>		
Mailing Address: <u>725 Old Post Rd</u>		
Contact Person: William Hurley	Title: <u>Eng. Manager</u> Phone:	203-256-3015
Permit Registration #GSM: 000012		

## **SAMPLING INFORMATION**

Discharge Location (Lat/Long or other description): Pe	quot Ave. N 41°-8.194' W 73° – 17.129'			
Please circle the appropriate area description: Industria	l, Commercial, or Residential			
Receiving Water (name, basin): Horse Tavern to Sout	hport Harbor			
Time of Start of Discharge: est. 7:00 am				
Date/Time Collected: April 20, 2015 Water Temperature: 49°				
Pater Time Concoted. 7.0111 20, 2010	vvaler remperature. 49			
Person Collecting Sample: Chris Rogers / John Chizma				

## **MONITORING RESULTS**

Parameter	Method	Results (units)	Laboratory
Sample pH	4500H-B	6.43	PH-0116
Rain pH	WPCF Data	4.9	PH-0116
Hardness	200.7	22	PH-0116
Conductivity	2510B	150	PH-0116
Oil & Grease	1664A	ND < 5.0	PH-0116
COD	5220D	91	PH-0116
Turbidity	180.1	33	PH-0116
TSS	2450D	73	PH-0116
TP	365.4	0.16	PH-0116
Ammonia	350.1	0.33	PH-0116
TKN	351.2	1.6	PH-0116
NO <sub>3</sub> +NO <sub>2</sub>	300.0	0.29	PH-0116
E. coli	SM9223B	>72419.6	PH-0535

	a reported on this document were prepared under my direction or supervision in MS4 General Permit. The information submitted is, to the best of my knowledge rate and complete.
Authorized Official:	William Hurley Eng Manyer
Signature:	hellum Herley Date: 614/15



## Stormwater Monitoring Report Form

## **PERMITTEE INFORMATION**

Town: Town of Fairfield					
Mailing Address:	Mailing Address: 725 Old Post Road				
Contact Person: V	Villiam Hurley	Title:	Eng, Manager	_Phone:	203-256-3015
Permit Registration	n #GSM: 000012				

## SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): Beaumont N41°-8.326' W73°-15.957'			
Please circle the appropriate area description: Industria	I, Commercial, or Residential		
Receiving Water (name, basin): Pine Creek			
Time of Start of Discharge; est 7:00 am			
Date/Time Collected: April 20, 2015 Water Temperature: 49°			
Person Collecting Sample: Chris Rogers / John Chizmadia			
Storm Magnitude (inches): 0.82"	Storm Duration (hours): 12hrs		
Date of Previous Storm Event: April 17,2015			

## **MONITORING RESULTS**

Parameter	Method	Results (units)	Laboratory
Sample pH	4500H-B	6.48	PH-0116
Rain pH	WPCF Data	4.9	PH-0116
Hardness	200.7	10	PH-0116
Conductivity	2510B	77	PH-0116
Oil & Grease	1664A	ND < 5.0	PH-0116
COD	5220D	62	PH-0116
Turbidity	180.1	24	PH-0116
TSS	2450D	38	PH-0116
TP	365.4	0.18	PH-0116
Ammonia	350.1	0.38	PH-0116
TKN	351.2	1.6	PH-0116
NO <sub>3</sub> +NO <sub>2</sub>	300.0	0.29	PH-0116
E. coli	SM9223B	727.0	PH-0535

	a reported on this document were prepared under my direction or supervision in MS4 General Permit. The information submitted is, to the best of my knowledge rate and complete.
Authorized Official:	William Horley Eng Manage
Signature:	Wlliam Hung Date: 6/4/15



## Stormwater Monitoring Report Form

## **PERMITTEE INFORMATION**

Town:Town of Fairfield
Mailing Address: 725 Old Post Road
Contact Person: William Hurley Title: Eng. Manager Phone: 203-256-3015
Permit Registration #GSM: 000012

## SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): Bla	ack Rock Tpke. N41° - 9.662 W73° -13.806'			
Please circle the appropriate area description: Industrial, Commercial, or Residential				
Receiving Water (name, basin): Ash Creek				
Time of Start of Discharge: est. 7:00 AM				
Date/Time Collected: April 20, 2015 Water Temperature: 49°				
Person Collecting Sample: Chris Rogers / John Chizmadia				
Storm Magnitude (inches): 0.82" Storm Duration (hours): 12hrs				
Date of Previous Storm Event: _April 17, 2015				

## **MONITORING RESULTS**

Parameter	Method	Results (units)	Laboratory
Sample pH	4500H-B	6.41	PH-0116
Rain pH	WPCF Data	4.9	PH-0116
Hardness	200.7	640	PH-0116
Conductivity	2510B	5800	PH-0116
Oil & Grease	1664A	ND < 5.0	PH-0116
COD	5220D	110	PH-0116
Turbidity	180.1	12	PH-0116
TSS	2450D	27	PH-0116
TP	365.4	ND < 0.10	PH-0116
Ammonia	350.1	0.19	PH-0116
TKN	351.2	ND < 1.0	PH-0116
NO <sub>3</sub> +NO <sub>2</sub>	300.0	ND < 0.10	PH-0116 & PH-0723
E. coli	SM9223B	344.8	PH-0535

accordance with the	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:	William Huley	Eng Manyer									
Signature	William Highes	Date: 6/4/15									



# General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Stormwater Monitoring Report Form

General Requirements and Sector G Transportation Facilities Only (Do <u>not</u> submit if you have other sector specific requirements)

## **Facility Information**

L CHIHITIEC IA	ame: Town of Fai	irfield	Site Name	: WPCF-1		
	ress: 725 Old Pos		<del></del>	·		
_	son: William Hurl	10	Title: <b>F</b>	ngineering M:	nager	
Business Pr	none: <u>203-256-301</u>	5	_ext.:En	nail: whurley@	tairfieldct.org	
Site Address	s:					
Receiving V	Vater (name/basin)	: Pine Creek				
Permit #: G	SI <b>001992</b>	Prim	ary SIC:			
	into an Impaired V					3 of this form
ample Info	rmation					
Sample Loc	ation: WPCF-1		Dereon (	Collecting Sam	nie Chris Pogo	re
·	,			_		3
	Collected: <u>4/20/20</u>		=;			
This report i	s for samples requ	ıired: Semi-	annually 🛚	Annually	Other	
Check here	if the sample cont	ains <b>snow or</b>	ice melt:			
Chack hara	if a benchmark ex	ceedance is s	solely due to ba	ackaround or of	ff site sources	see note below
CHECK HEIE						
lonitoring l						
		Results (units)	Benchmark	Benchmark Exceedance (see pg 4)	Test Method	
Onitoring I	Results Required	Results	Benchmark	Benchmark Exceedance		Laboratory
Parameter Dil & Grease	Results  Required Frequency	Results (units)		Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name
Parameter Dil & Grease Rainfall pH	Results  Required Frequency  Semi-annual Semi-annual	Results (units) ND < 5.0	Benchmark 5.0 mg/L n/a	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name PH-0116
Parameter Dil & Grease Rainfall pH Gample pH	Results  Required Frequency  Semi-annual Semi-annual Semi-annual	Results (units) ND < 5.0 7.31	Benchmark 5.0 mg/L n/a 5-9 SU	Benchmark Exceedance (see pg 4)	Test Method  1664A 4500H-B 4500H-B	Laboratory Name PH-0116 PH-0116 PH-0116
Parameter Dil & Grease Rainfall pH Gample pH	Results  Required Frequency  Semi-annual Semi-annual Semi-annual Semi-annual	Results (units)  ND < 5.0  7.31  6.49	Benchmark 5.0 mg/L n/a 5-9 SU 75 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A  4500H-B  4500H-B  5220D	Laboratory Name PH-0116 PH-0116 PH-0116 PH-0116
Parameter Dil & Grease Rainfall pH Sample pH COD	Results  Required Frequency  Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual	Results (units) ND < 5.0 7.31 6.49	Benchmark  5.0 mg/L  n/a  5-9 SU  75 mg/L  90 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A 4500H-B 4500H-B	Laboratory Name PH-0116 PH-0116 PH-0116
Parameter Dil & Grease Rainfall pH Gample pH COD TSS	Results  Required Frequency  Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual	Results (units) ND < 5.0 7.31 6.49 19	5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A  4500H-B  4500H-B  5220D  2540D	Laboratory Name PH-0116 PH-0116 PH-0116 PH-0116
Parameter Dil & Grease Rainfall pH Gample pH COD TSS TP	Results  Required Frequency  Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual	Results (units) ND < 5.0 7.31 6.49 19 13 ND < 0.10	Benchmark  5.0 mg/L  n/a  5-9 SU  75 mg/L  90 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A  4500H-B  4500H-B  5220D  2540D  365.4	Laboratory Name PH-0116 PH-0116 PH-0116 PH-0116 PH-0116
Parameter Dil & Grease Rainfall pH Gample pH COD TSS TP TKN NO3-N	Results  Required Frequency  Semi-annual	Results (units) ND < 5.0 7.31 6.49 19 13 ND < 0.10 ND < 1.0 0.120	5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L 2.30 mg/L 1.10 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A 4500H-B 4500H-B 5220D 2540D 365.4 351.2	Laboratory Name  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0123
Parameter Dil & Grease Rainfall pH Gample pH COD TSS TP TKN NO <sub>3</sub> -N Total Copper	Results  Required Frequency  Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual	Results (units) ND < 5.0 7.31 6.49 19 13 ND < 0.10 ND < 1.0	5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L 2.30 mg/L 1.10 mg/L 0.059 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A 4500H-B 4500H-B 5220D 2540D 365.4 351.2 300.0	Laboratory Name  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116
Parameter  Dil & Grease Rainfall pH  Sample pH  COD  TSS  TP  TKN  NO3-N  Total Copper  Total Zinc	Results  Required Frequency  Semi-annual	Results (units) ND < 5.0 7.31 6.49 19 13 ND < 0.10 ND < 1.0 0.120 ND < 0.04	5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L 2.30 mg/L 1.10 mg/L 0.059 mg/L 0.160 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A 4500H-B 4500H-B 5220D 2540D 365.4 351.2 300.0 200.7	Laboratory Name  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0723  PH-0116
Parameter Dil & Grease Rainfall pH Gample pH COD FSS FP FKN NO <sub>3</sub> -N Fotal Copper Total Zinc Total Lead	Results  Required Frequency  Semi-annual	Results (units)  ND < 5.0  7.31  6.49  19  13  ND < 0.10  ND < 1.0  0.120  ND < 0.04  0.42	5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L 2.30 mg/L 1.10 mg/L 0.059 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A  4500H-B  4500H-B  5220D  2540D  365.4  351.2  300.0  200.7  200.7	Laboratory Name  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0723  PH-0116  PH-0116
onitoring l	Results  Required Frequency  Semi-annual	Results (units)  ND < 5.0  7.31  6.49  19  13  ND < 0.10  ND < 1.0  0.120  ND < 0.04  0.42	5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L 2.30 mg/L 1.10 mg/L 0.059 mg/L 0.160 mg/L 0.076 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A  4500H-B  4500H-B  5220D  2540D  365.4  351.2  300.0  200.7  200.7	Laboratory Name  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0723  PH-0116  PH-0116
Parameter  Dil & Grease Rainfall pH Sample pH COD TSS TP TKN NO <sub>3</sub> -N Total Copper Total Zinc Total Lead 24 Hr. LC <sub>50</sub> 48 Hr. LC <sub>50</sub>	Results  Required Frequency  Semi-annual Annual-Year 1&2 Annual-Year 1&2	Results (units)  ND < 5.0  7.31  6.49  19  13  ND < 0.10  ND < 1.0  0.120  ND < 0.04  0.42	5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L 2.30 mg/L 1.10 mg/L 0.059 mg/L 0.160 mg/L 0.076 mg/L n/a	Benchmark Exceedance (see pg 4)	Test Method  1664A  4500H-B  4500H-B  5220D  2540D  365.4  351.2  300.0  200.7  200.7	Laboratory Name  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116
Parameter  Dil & Grease Rainfall pH Sample pH COD TSS TP TKN NO3-N Total Copper Total Zinc Total Lead 24 Hr. LC <sub>50</sub>	Results  Required Frequency  Semi-annual Annual-Year 1&2 Annual-Year 1&2	Results (units)  ND < 5.0  7.31  6.49  19  13  ND < 0.10  ND < 1.0  0.120  ND < 0.04  0.42	5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L 2.30 mg/L 1.10 mg/L 0.059 mg/L 0.160 mg/L 0.076 mg/L n/a	Benchmark Exceedance (see pg 4)	Test Method  1664A  4500H-B  4500H-B  5220D  2540D  365.4  351.2  300.0  200.7  200.7	Laboratory Name  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116

**NOTE:** Complete the "Data Tracking Table" (page 4 on this form) to show the parameter is eligible for the monitoring exemption in Section 5(e)(1)(B)(iii) of the general permit. If you are discontinuing monitoring for impaired water parameters (per Section 5(e)(1)(D)), or parameters that are present due to natural or background levels or off site run-on (per Section 5(e)(1)(B)(V)), attach additional supporting information to this form.

### STORMWATER ACUTE TOXICITY TEST DATA SHEET

(required annually only during Year 1 and Year 2 of the permit)

Site Name: WPCF-1					
Date/Time Begin:	Date/Time End:				
Sample Hardness:	Sample Conductivity:				
Test Species: Daphnia pulex < 24 hrs old	Dilution Water Hardness;				

Effluent Dilution		er of Org Surviving		Disso	olved Ox (mg/L)	ygen	Те	mperatu (°C)	ıre		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
CONTROL 1												
CONTROL 2												
CONTROL 3												
CONTROL 4												
6.25% A												
6.25% B												
6.25% C												
6.25% D												
12.5% A					_							
12.5% B												
12.5% C												
12.5% D												
25% A												
25% B												
25% C												
25% D							5					
50% A												
50% B												
50% C												
50% D												
100% A												
100% B												
100% C												
100% D												

### REFERENCE TOXICANT RESULTS

Test Species	Date	Reference Toxicant	Source	LC <sub>50</sub>
Daphnia pulex				

## Additional Monitoring for Discharges to Impaired Waters (if applicable):

Parameter	Frequency	Results (units)	Test Method	Laboratory Name

### **Statement of Certification**

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute."								
Signature of Permittee	6/4/15							
Signature of Permittee /	Date							
Name of Permittee (print or type)	Title (if applicable)							
Name of Permittee (print or type)	Title (if applicable)							
Signature of Preparer (if different than above)	Date							
Name of Preparer (print or type)	Title (if applicable)							

Please send all completed forms to:

WATER TOXICS PROGRAM COORDINATOR BUREAU OF WATER PROTECTION AND LAND REUSE CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION 79 ELM STREET HARTFORD, CT 06106-5127

# General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Data Tracking Sheet General and Sector G Transportation Facilities Only Monitoring Requirements

Permittee Name: <u>Town of Fairfield</u>	Permit #: GSI <u>001992</u>
Site Name: WPCF-1	:
Site Address:	,
Sample Location;	

Enter the sample dates and the data reported for the four (4) most recent semi-annual sample results at this discharge location into the chart below. To determine the average for the four samples add up each of the four results and then divide that number by 4.

## Average = (<u>Sample 1+ Sample 2 + Sample 3 + Sample 4</u>)

		Samp	le Result	1111 1121			
Parameter	1	2	3	4	Average	Benchmark*	Qualify for
Sample Date	4/20/15						exemption?
O&G	ND < 5.0					5.0 mg/L	
Sample pH	6.49					5-9 S.U.	
COD	19					75 mg/L	
TSS	13					90 mg/L	
TP	ND < 0.10					0.40 mg/L	
TKN	ND < 1.0					2.30 mg/L	
NO <sub>3</sub> -N	0.120					1.10 mg/L	
Total Copper	ND < 0.04					0.059 mg/L	
Total Zinc	0.42					0.160 mg/L	
Total Lead	0.014					0.076 mg/L	

\*If the average of the four (4) most recent samples is less than the benchmark listed, your facility is no longer required to sample semi-annually for that parameter for the rest of the permit (current permit expires 9/30/2016). If your facility qualifies for an exemption from monitoring for sample pH, your facility is also exempt from monitoring rainfall pH for the remainder of the permit.

If the average of the four (4) most resent samples is equal to or greater than the benchmark listed, check the appropriate box on page 1. If so, you have exceeded the benchmark and must continue to sample this parameter semiannually until the average is below the benchmark. See Section 5(e)(1)(B) of the General permit for requirements when exceeding a benchmark.

If the sample result reported by the testing laboratory was below detection limit, for the purpose of averaging, use a value that is ½ the detection limit for that parameter in the formula above. For example, if the result for Oil & Grease was <2.0 mg/L, use a value of 1.0 mg/L for determining the average. Please refer to Section 5 e(1)B(iii) of the General Permit for a more detailed explanation.



## **General Permit for the Discharge of Stormwater Associated with** Industrial Activity, effective 10/1/2011 Stormwater Monitoring Report Form

General Requirements and Sector G Transportation Facilities Only (Do not submit if you have other sector specific requirements)

## **Facility Information**

Perminee N	ame: <u>Town of Fai</u>		Site Name	. WPCF-Z		
Mailing Add	ress: <u><b>725 Old Pos</b></u>	t Road				
Contact Per	son: William Hurle	έΛ	Title: <u>E</u>	ngineering Ma	nager	
Business Ph	none: 203-256-301	5	ext.:Em	nail: whurley@	fairfieldct.org	
	S: <sub>19</sub>					
	vater (name/basin)					
	SI <u>001992</u>					
Discharges	into an Impaired W	/aterbody: Ye	es 🗌 No 🖂	(If yes, complete	the table on page	3 of this form
ample Info	rmation					
Campulata	otion, WDOE 2		Damas: (	Callagting Court	olo: Chris Dess	
	ation: WPCF-2					5
Date/Time C	Collected: <u>4/20/201</u>	<u> 5   11:15 am</u>	_ Date of Prev	ious Storm Eve	ent: <u>4/17/2015</u>	
This report i	s for samples requ	ired: Semi-	annually 🛚	Annually $\square$	Other	
·			ice melt:			
Check here	if the sample conta	ains <b>snow or</b>		ockground or of	f cita cources [	ן see note below
Check here		ains <b>snow or</b>		ackground or of	f site sources	see note below
Check here	if the sample conta if a benchmark exc	ains <b>snow or</b>		ackground or of	f site sources	see note below
Check here	if the sample conta if a benchmark exc	ains <b>snow or</b>		Benchmark Exceedance (see pg 4)	f site sources	Laboratory
Check here Check here onitoring I	if the sample containing a benchmark exception of the sample containing and the sample containin	ains snow or ceedance is s	solely due to ba	Benchmark Exceedance		Laboratory
Check here Check here Conitoring I Parameter Dil & Grease	if the sample containing if a benchmark exception of the sample containing in the sample contain	Results (units)	Benchmark	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name
Check here Check here Onitoring I Parameter Dil & Grease Rainfall pH	if the sample contains if a benchmark exception of the sample contains if a benchmark exception of the sample contains if the sample contains it is the sample contains if the sample contains it is the sa	Results (units)	Benchmark 5.0 mg/L	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name PH-0116
Check here Check here Check here Conitoring I Parameter Dil & Grease Rainfall pH Gample pH	if the sample containing if a benchmark exception of the sample containing in the sample contain	Results (units)  ND < 5.0 7.31	Benchmark  5.0 mg/L n/a	Benchmark Exceedance (see pg 4)	Test Method  1664A 4500H-B	Laboratory Name PH-0116 PH-0116
Check here	if the sample containing if a benchmark exception of the sample containing in the sample contain	Results (units)  ND < 5.0  7.31  6.59	Benchmark  5.0 mg/L  n/a  5-9 SU	Benchmark Exceedance (see pg 4)	Test Method  1664A  4500H-B  4500H-B	Laboratory Name PH-0116 PH-0116 PH-0116
Check here	if the sample containing if a benchmark except to the sample containing in the sample containing	Results (units)  ND < 5.0  7.31  6.59  220	Benchmark  5.0 mg/L  n/a  5-9 SU  75 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A  4500H-B  4500H-B  5220D	Laboratory Name PH-0116 PH-0116 PH-0116 PH-0116
Check here	if the sample contains if a benchmark except to the sample contains if the sample contains if a benchmark except to the sample contains if the sample contains if a benchmark except to the sample contains it as	Results (units)  ND < 5.0  7.31  6.59  220  220	Benchmark  5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A  4500H-B  4500H-B  5220D  2540D	Laboratory Name PH-0116 PH-0116 PH-0116 PH-0116
Check here	if the sample contains if a benchmark exception of a benchmark exception.  Results  Required Frequency  Semi-annual	Results (units)  ND < 5.0  7.31  6.59  220  220  2.6	Benchmark  5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A  4500H-B  4500H-B  5220D  2540D  365.4	Laboratory Name PH-0116 PH-0116 PH-0116 PH-0116 PH-0116
Check here	required Frequency Semi-annual	Results (units)  ND < 5.0  7.31  6.59  220  2.6  9.6	Benchmark  5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L 2.30 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A  4500H-B  4500H-B  5220D  2540D  365.4  351.2	Laboratory Name PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0116
Check here	if the sample contains a benchmark except a benchmark except and the sample contains a benchmark except a be	Results (units)  ND < 5.0  7.31  6.59  220  220  2.6  9.6  0.171	Benchmark  5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L 2.30 mg/L 1.10 mg/L 0.059 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A  4500H-B  4500H-B  5220D  2540D  365.4  351.2  300.0	Laboratory Name  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0723
Check here	if the sample contains if a benchmark except a benchmark except and a benchmark except and a benchmark except and a beni-annual semi-annual	Results (units)  ND < 5.0  7.31  6.59  220  2.6  9.6  0.171  0.10	Benchmark  5.0 mg/L  n/a  5-9 SU  75 mg/L  90 mg/L  0.40 mg/L  2.30 mg/L  1.10 mg/L  0.059 mg/L  0.160 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A 4500H-B 4500H-B 5220D 2540D 365.4 351.2 300.0 200.7	Laboratory Name  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0723  PH-0116
Check here Check here Ionitoring	if the sample contains if a benchmark except a benchmark except and a benchmark except and a benchmark except and a beni-annual semi-annual	Results (units)  ND < 5.0  7.31  6.59  220  2.6  9.6  0.171  0.10  0.32	Benchmark  5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L 2.30 mg/L 1.10 mg/L 0.059 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A 4500H-B 4500H-B 5220D 2540D 365.4 351.2 300.0 200.7 200.7	Laboratory Name  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0723  PH-0116  PH-0116

List here any parameter(s) that will not be sampled for the remainder of the permit term: see note below

NOTE: Complete the "Data Tracking Table" (page 4 on this form) to show the parameter is eligible for the monitoring exemption in Section 5(e)(1)(B)(iii) of the general permit. If you are discontinuing monitoring for impaired water parameters (per Section 5(e)(1)(D)), or parameters that are present due to natural or background levels or off site run-on (per Section 5(e)(1)(B)(V)), attach additional supporting information to this form.

## STORMWATER ACUTE TOXICITY TEST DATA SHEET

(required annually only during Year 1 and Year 2 of the permit)

Site Name: WPCF-2	
Date/Time Begin:	Date/Time End:
Sample Hardness:	Sample Conductivity:
Test Species: <i>Daphnia pulex</i> < 24 hrs old	Dilution Water Hardness:

	uent ition		er of Org Surviving		Disso	olved Ox (mg/L)	ygen	Те	mperatu (°C)	ıre		pH (su)	
	Hour	00	24	48	00	24	48	00	24	48	00	24	48
CONT	ROL 1												
CONT	ROL 2												
CONT	ROL 3												
CONT	ROL 4												
6.25	5% A												
6.25	5% B												
6.25	% C												
6.25	% D												
12.5	5% A												
12.5	5% B												
12.5	% C												
12.5	% D												
25%	% A												
25%	% B												
25%	% С												
25%	6 D												
50%	% A												
50%	% B												
50%	6 C												
50%	6 D												
100	% A												
100	%В												
100	% C												
1009	% D												

## REFERENCE TOXICANT RESULTS

Test Species	Date	Reference Toxicant	Source	LC <sub>50</sub>
Daphnia pulex				

## Additional Monitoring for Discharges to Impaired Waters (if applicable):

Parameter	Frequency	Results (units)	Test Method	Laboratory Name

## **Statement of Certification**

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute."						
William Kyley	6/4/15					
Signature of Permittee	Date					
Name of Permittee (print or type)	Title (if applicable)					
Name of Permittee (print or type)	тше (п аррпсавіе)					
Signature of Preparer (if different than above)	Date					
Name of Preparer (print or type)	Title (if applicable)					

Please send all completed forms to:

WATER TOXICS PROGRAM COORDINATOR BUREAU OF WATER PROTECTION AND LAND REUSE CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION 79 ELM STREET HARTFORD, CT 06106-5127

# General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Data Tracking Sheet General and Sector G Transportation Facilities Only Monitoring Requirements

Permittee Name: <u>Town of Fairfield</u>	Permit #: GSI <u>001992</u>
Site Name: WPCF-2	
Site Address:	
Sample Location:	

Enter the sample dates and the data reported for the four (4) most recent semi-annual sample results at this discharge location into the chart below. To determine the average for the four samples add up each of the four results and then divide that number by 4.

## Average = (Sample 1+ Sample 2 + Sample 3 + Sample 4)

		Samp	le Result	THE ARTS			
Parameter	1	2	3	4		Benchmark*	Qualify for exemption?
Sample Date	4/20/15				Average		
O&G	ND < 5.0					5.0 mg/L	
Sample pH	6.59					5-9 S.U.	
COD	220					75 mg/L	
TSS	220					90 mg/L	
TP	2.6					0.40 mg/L	
TKN	9.6			_		2.30 mg/L	
NO <sub>3</sub> -N	0.171					1.10 mg/L	
Total Copper	0.10					0.059 mg/L	
Total Zinc	0.32					0.160 mg/L	
Total Lead	0.032					0.076 mg/L	

\*If the average of the four (4) most recent samples is less than the benchmark listed, your facility is no longer required to sample semi-annually for that parameter for the rest of the permit (current permit expires 9/30/2016). If your facility qualifies for an exemption from monitoring for sample pH, your facility is also exempt from monitoring rainfall pH for the remainder of the permit.

If the average of the four (4) most resent samples is equal to or greater than the benchmark listed, check the appropriate box on page 1. If so, you have exceeded the benchmark and must continue to sample this parameter semiannually until the average is below the benchmark. See Section 5(e)(1)(B) of the General permit for requirements when exceeding a benchmark.

If the sample result reported by the testing laboratory was below detection limit, for the purpose of averaging, use a value that is ½ the detection limit for that parameter in the formula above. For example, if the result for Oil & Grease was <2.0 mg/L, use a value of 1.0 mg/L for determining the average. Please refer to Section 5 e(1)B(iii) of the General Permit for a more detailed explanation.



# General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Stormwater Monitoring Report Form

General Requirements and Sector G Transportation Facilities Only (Do not submit if you have other sector specific requirements)

## **Facility Information**

_	rocc: 725 Old Doc			: WPCF-3					
Contact Per	Mailing Address: 725 Old Post Road								
Contact Person: William Hurley Title: Engineering Manager									
Business Phone: 203-256-3015 ext.:Email: whurley@fairfieldct.org									
Site Address:									
Receiving Water (name/basin): Pine Creek									
Permit #: GSI <u>001992</u> Primary SIC:									
Discharges	into an Impaired V	Vaterbody: Ye	s 🗌 No 🛛	(If yes, complete	the table on page	3 of this form			
ample Info	rmation								
Sample Loc	ation: WPCF-3		Person (	Collecting Sam	ple: <b>Chris Roger</b>	s			
	Collected: 4/20/20			_					
	s for samples requ		===						
·	·		· _	Allitually [	Other 🖂				
Check here if the sample contains <b>snow or ice melt</b> :									
	Check here if a benchmark exceedance is solely due to background or off site sources   see note below								
Check here	if a benchmark ex	ceedance is s	solely due to ba	ackground or of	ff site sources	see note below			
		ceedance is s	solely due to ba	ackground or of	ff site sources	see note below			
		Results (units)	Benchmark	Benchmark Exceedance (see pg 4)	ff site sources  Test Method	Laboratory Name			
lonitoring l	Results Required	Results		Benchmark Exceedance		Laboratory			
Parameter Dil & Grease	Results  Required Frequency	Results (units)	Benchmark	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name			
Parameter Dil & Grease Rainfall pH	Results  Required Frequency  Semi-annual	Results (units) ND < 5.0	Benchmark 5.0 mg/L	Benchmark Exceedance (see pg 4)	Test Method 1664A	Laboratory Name PH-0116			
Parameter Dil & Grease Rainfall pH Gample pH	Results  Required Frequency  Semi-annual Semi-annual	Results (units)  ND < 5.0  7.31	Benchmark 5.0 mg/L n/a	Benchmark Exceedance (see pg 4)	Test Method 1664A 4500H-B	Laboratory Name PH-0116 PH-0116			
Parameter Dil & Grease Rainfall pH Sample pH COD	Results  Required Frequency  Semi-annual Semi-annual Semi-annual	Results (units)  ND < 5.0  7.31  6.36	Benchmark 5.0 mg/L n/a 5-9 SU	Benchmark Exceedance (see pg 4)	Test Method  1664A  4500H-B  4500H-B	Laboratory Name PH-0116 PH-0116 PH-0116			
Parameter Dil & Grease Rainfall pH Sample pH COD	Results  Required Frequency  Semi-annual Semi-annual Semi-annual Semi-annual	Results (units)  ND < 5.0  7.31  6.36  44	Benchmark  5.0 mg/L  n/a  5-9 SU  75 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A  4500H-B  4500H-B  5220D	Laboratory Name PH-0116 PH-0116 PH-0116			
Parameter Dil & Grease Rainfall pH Sample pH COD TSS	Results  Required Frequency  Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual	Results (units) ND < 5.0 7.31 6.36 44 41	5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A  4500H-B  4500H-B  5220D  2540D	Laboratory Name PH-0116 PH-0116 PH-0116 PH-0116			
Parameter Dil & Grease Rainfall pH Gample pH COD TSS	Results  Required Frequency  Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual	Results (units) ND < 5.0 7.31 6.36 44 41 ND < 0.10	5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A  4500H-B  4500H-B  5220D  2540D  365.4	Laboratory Name PH-0116 PH-0116 PH-0116 PH-0116 PH-0116			
Parameter Dil & Grease Rainfall pH Sample pH COD TSS TP TKN NO3-N	Results  Required Frequency  Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual	Results (units)  ND < 5.0  7.31  6.36  44  41  ND < 0.10  1.4	5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L 2.30 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A 4500H-B 4500H-B 5220D 2540D 365.4 351.2	Laboratory Name PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0116			
Parameter Dil & Grease Rainfall pH COD TSS TP TKN NO <sub>3</sub> -N Total Copper	Results  Required Frequency  Semi-annual	Results (units) ND < 5.0 7.31 6.36 44 41 ND < 0.10 1.4 0.184	5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L 2.30 mg/L 1.10 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A 4500H-B 4500H-B 5220D 2540D 365.4 351.2 300.0	Laboratory Name PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0723			
Parameter  Oil & Grease Rainfall pH Sample pH COD TSS TP TKN NO <sub>3</sub> -N Total Copper	Results  Required Frequency  Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual	Results (units)  ND < 5.0  7.31  6.36  44  41  ND < 0.10  1.4  0.184  ND < 0.04	5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L 2.30 mg/L 1.10 mg/L 0.059 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A  4500H-B  4500H-B  5220D  2540D  365.4  351.2  300.0  200.7	Laboratory Name  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0723  PH-0116			
lonitoring l	Results  Required Frequency  Semi-annual	Results (units)  ND < 5.0  7.31  6.36  44  41  ND < 0.10  1.4  0.184  ND < 0.04  0.17	5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L 2.30 mg/L 1.10 mg/L 0.059 mg/L 0.160 mg/L	Benchmark Exceedance (see pg 4)	Test Method  1664A  4500H-B  4500H-B  5220D  2540D  365.4  351.2  300.0  200.7	Laboratory Name  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0723  PH-0116  PH-0116			

**NOTE:** Complete the "Data Tracking Table" (page 4 on this form) to show the parameter is eligible for the monitoring exemption in Section 5(e)(1)(B)(iii) of the general permit. If you are discontinuing monitoring for impaired water parameters (per Section 5(e)(1)(D)), or parameters that are present due to natural or background levels or off site run-on (per Section 5(e)(1)(B)(V)), attach additional supporting information to this form.

## STORMWATER ACUTE TOXICITY TEST DATA SHEET

(required annually only during Year 1 and Year 2 of the permit)

Site Name: WPCF-3					
Date/Time Begin:	Date/Time End;				
Sample Hardness:	Sample Conductivity:				
Test Species: <i>Daphnia pulex</i> < 24 hrs old	Dilution Water Hardness:				

Effluent Dilution		er of Org Surviving		Disso	olved Ox (mg/L)	ygen	Те	mperatu (°C)	ıre		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
CONTROL 1												
CONTROL 2												
CONTROL 3												
CONTROL 4												
6.25% A												
6.25% B												
6.25% C												
6.25% D												
12.5% A												
12.5% B												
12.5% C												
12.5% D												
25% A												
25% B												
25% C												
25% D												
50% A												
50% B												
50% C												
50% D												
100% A												
100% B												
100% C												
100% D												

## REFERENCE TOXICANT RESULTS

Test Species	Date	Reference Toxicant	Source	LC <sub>50</sub>
Daphnia pulex				

## Additional Monitoring for Discharges to Impaired Waters (if applicable):

Parameter	Frequency	Results (units)	Test Method	Laboratory Name

## **Statement of Certification**

attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute."						
William Hung 6/4/15 Signature of Permittee Date						
Signature of Permittee Date						
William Howley  Name of Permittee (print or type)  Engineering Manager  Title (if applicable)						
Name of Permittee (print or type)  Title (if applicable)						
Signature of Preparer (if different than above)  Date						
Name of Preparer (print or type)  Title (if applicable)						

Please send all completed forms to:

WATER TOXICS PROGRAM COORDINATOR BUREAU OF WATER PROTECTION AND LAND REUSE CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION 79 ELM STREET HARTFORD, CT 06106-5127

# General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Data Tracking Sheet General and Sector G Transportation Facilities Only Monitoring Requirements

Permittee Name: <u>Town of Fairfield</u>	Permit #: GSI <u>001992</u>
Site Name: WPCF-3	
Site Address:	
Sample Location:	

Enter the sample dates and the data reported for the four (4) most recent semi-annual sample results at this discharge location into the chart below. To determine the average for the four samples add up each of the four results and then divide that number by 4.

## Average = (Sample 1+ Sample 2 + Sample 3 + Sample 4)

		Samp	le Result			file vie 1)	-
Parameter	1	2	3	4	Average	Benchmark*	Qualify for
Sample Date	4/20/15				Average		exemption?
O&G	ND < 5.0					5.0 mg/L	
Sample pH	6.36					5-9 S.U,	
COD	44					75 mg/L	
TSS	41					90 mg/L	
TP	ND < 0.10					0.40 mg/L	
TKN	1.4					2.30 mg/L	
NO <sub>3</sub> -N	0.184					1.10 mg/L	
Total Copper	ND < 0.04					0.059 mg/L	
Total Zinc	0.17					0.160 mg/L	
Total Lead	ND<0.013					0.076 mg/L	

\*If the average of the four (4) most recent samples is less than the benchmark listed, your facility is no longer required to sample semi-annually for that parameter for the rest of the permit (current permit expires 9/30/2016). If your facility qualifies for an exemption from monitoring for sample pH, your facility is also exempt from monitoring rainfall pH for the remainder of the permit.

If the average of the four (4) most resent samples is equal to or greater than the benchmark listed, check the appropriate box on page 1. If so, you have exceeded the benchmark and must continue to sample this parameter semiannually until the average is below the benchmark. See Section 5(e)(1)(B) of the General permit for requirements when exceeding a benchmark.

If the sample result reported by the testing laboratory was below detection limit, for the purpose of averaging, use a value that is ½ the detection limit for that parameter in the formula above. For example, if the result for Oil & Grease was <2.0 mg/L, use a value of 1.0 mg/L for determining the average. Please refer to Section 5 e(1)B(iii) of the General Permit for a more detailed explanation.



# General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Stormwater Monitoring Report Form

General Requirements and Sector G Transportation Facilities Only (Do <u>not</u> submit if you have other sector specific requirements)

#### **Facility Information**

Permittee N	Permittee Name: Town of Fairfield Site Name: WPCF-4						
Mailing Address: 725 Old Post Road							
Contact Person: William Hurley Title: Engineering Manager							
	none: <u>203-256-301</u>		ext.:En	naii: <u>wnurieγ@</u>	TairTieldct.org		
Site Address	s:						
Receiving V	Vater (name/basin)	: Pine Creek					
Permit #: G	SI <b>001992</b>	Prim	arv SIC:				
	into an Impaired W						
Sample Info	rmation						
Sample Loc	ation: WPCF-4		Person (	Collecting Sam	ple: Chris Roge	rs	
	Collected: 4/20/20						
	s for samples requ						
			-		Other 🗆		
	if the sample conta					- and make below	
Check here	if a benchmark ex	ceedance is	solely due to ba	ackground or o	ff site sources L	see note below	
/lonitoring l	Results						
Parameter	Required Frequency	Results (units)	Benchmark	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name	
Oil & Grease	Semi-annual	ND < 5.0	5.0 mg/L		1664A	PH-0116	
Rainfall pH	Semi-annual	7.31	n/a	Billiotiv ! Ti	4500H-B	PH-0116	
Sample pH	Semi-annual	6.76	5-9 SU		4500H-B	PH-0116	
COD	Semi-annual	91	75 mg/L		5220D	PH-0116	
rss	Semi-annual	100	90 mg/L		2540D	PH-0116	
ГР	Semi-annual	0.31	0.40 mg/L		365.4	PH-0116	
TKN	Semi-annual	1.9	2.30 mg/L		351.2	PH-0116	
NO <sub>3</sub> -N	Semi-annual	0.103	1.10 mg/L		300.0	PH-0723	
Total Copper	Semi-annual	0.17	0.059 mg/L		200.7	PH-0116	
Total Zinc	Semi-annual	0.94	0.160 mg/L	$\boxtimes$	200.7	PH-0116	
Total Lead	Semi-annual	0.071	0.076 mg/L		200.7	PH-0116	
24 Hr. LC <sub>50</sub>	4 Hr. LC <sub>50</sub> Annual-Year 1&2 n/a						
48 Hr. LC <sub>50</sub>	Annual-Year 1&2		n/a				
xemptions							
List here any l	parameter(s) that w	ill not be sam	oled for the rem	ainder of the pe	ermit term: see note b	elow	

**NOTE:** Complete the "Data Tracking Table" (page 4 on this form) to show the parameter is eligible for the monitoring exemption in Section 5(e)(1)(B)(iii) of the general permit. If you are discontinuing monitoring for impaired water parameters (per Section 5(e)(1)(D)), or parameters that are present due to natural or background levels or off site run-on (per Section 5(e)(1)(B)(V)), attach additional supporting information to this form.

## STORMWATER ACUTE TOXICITY TEST DATA SHEET

(required annually only during Year 1 and Year 2 of the permit)

Site Name: WPCF-4					
Date/Time Begin;	Date/Time End:				
Sample Hardness:	Sample Conductivity:				
Test Species: <i>Daphnia pulex</i> < 24 hrs old	Dilution Water Hardness:				

Effluent Dilution	Numbe	er of Org Surviving	anisms 3	Disso	olved Ox (mg/L)	ygen	Te	mperatu (°C)	ire		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
CONTROL 1												
CONTROL 2												
CONTROL 3												
CONTROL 4												
6.25% A												
6.25% B												
6.25% C												
6.25% D												
12.5% A												
12.5% B												
12.5% C												
12.5% D												
25% A												
25% B												
25% C												
25% D												
50% A												
50% B												
50% C	7.											
50% D												
100% A												
100% B												
100% C												
100% D												

### **REFERENCE TOXICANT RESULTS**

Test Species	Date	Reference Toxicant	Source	LC <sub>50</sub>
Daphnia pulex				

## Additional Monitoring for Discharges to Impaired Waters (if applicable):

Parameter	Frequency	Results (units)	Test Method	Laboratory Name

## **Statement of Certification**

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute."					
Signature of Permittee	6/4/15				
Signature of Permittee	Date				
Name of Permittee (print or type)	Title (if applicable)				
Name of Commune (print of type)	The (ii applicable)				
Signature of Preparer (if different than above)	Date				
Name of Preparer (print or type)	Title (if applicable)				

Please send all completed forms to:

WATER TOXICS PROGRAM COORDINATOR BUREAU OF WATER PROTECTION AND LAND REUSE CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION 79 ELM STREET HARTFORD, CT 06106-5127

# General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Data Tracking Sheet General and Sector G Transportation Facilities Only Monitoring Requirements

Permittee Name: <b>Town of Fairfield</b>	Permit #: GSI <u>001992</u>
Site Name: WPCF-4	
Site Address:	
Sample Location:	

Enter the sample dates and the data reported for the four (4) most recent semi-annual sample results at this discharge location into the chart below. To determine the average for the four samples add up each of the four results and then divide that number by 4.

## Average = (Sample 1+ Sample 2 + Sample 3 + Sample 4)

Dally agent at	Sample Result							
Parameter	11-1	2	3	4	Average	Benchmark*	Qualify for exemption?	
Sample Date	4/20/15						exemplions	
O&G	ND < 5.0					5.0 mg/L		
Sample pH	6.76					5-9 S.U.		
COD	91					75 mg/L		
TSS	100					90 mg/L		
TP	0.31					0.40 mg/L		
TKN	1.9					2.30 mg/L		
NO <sub>3</sub> -N	0.103					1.10 mg/L		
Total Copper	0.17					0.059 mg/L		
Total Zinc	0.94					0.160 mg/L		
Total Lead	0.071					0.076 mg/L		

<sup>\*</sup>If the average of the four (4) most recent samples is less than the benchmark listed, your facility is no longer required to sample semi-annually for that parameter for the rest of the permit (current permit expires 9/30/2016). If your facility qualifies for an exemption from monitoring for sample pH, your facility is also exempt from monitoring rainfall pH for the remainder of the permit.

If the average of the four (4) most resent samples is equal to or greater than the benchmark listed, check the appropriate box on page 1. If so, you have exceeded the benchmark and must continue to sample this parameter semiannually until the average is below the benchmark. See Section 5(e)(1)(B) of the General permit for requirements when exceeding a benchmark.

If the sample result reported by the testing laboratory was below detection limit, for the purpose of averaging, use a value that is ½ the detection limit for that parameter in the formula above. For example, if the result for Oil & Grease was <2.0 mg/L, use a value of 1.0 mg/L for determining the average. Please refer to Section 5 e(1)B(iii) of the General Permit for a more detailed explanation.



# General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Stormwater Monitoring Report Form

General Requirements and Sector G Transportation Facilities Only (Do <u>not</u> submit if you have other sector specific requirements)

### **Facility Information**

Permittee N	ame: <b>Town of Fa</b>	irfield	Site Name	e: DPW-1			
Mailing Addı	ress: 725 Old Po	st Road					
Contact Per	Contact Person: William Hurley Title: Engineering Manager						
	Business Phone: 203-256-3015 ext.: Email: whurley@fairfieldct.org						
l	s:						
1							
_	/ater (name/basir					<del></del>	
1	SI <u><b>001448</b></u>						
Discharges	into an Impaired \	Naterbody: Ye	es 🗌 No 🛛	(If yes, complete	the table on page	3 of this form)	
Sample Info	Sample Information						
Sample Loc	Sample Location: DPW-1 Person Collecting Sample: Chris Rogers						
Date/Time C	Collected: 4/20/20						
	s for samples req						
				, unidally			
	if the sample con				ss - 11	¬ see note below	
Check here	if a benchmark e	xceedance is s	solely due to ba	ackground or o	π site sources L		
Monitoring I	Results						
Parameter	Required Frequency	Results (units)	Benchmark	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name	
Oil & Grease	Semi-annual	6.4	5.0 mg/L		1664A	PH-0116	
Rainfall pH	Semi-annual	7.31	n/a		4500H-B	PH-0116	
Sample pH	Semi-annual	7.28	5-9 SU		4500H-B	PH-0116	
COD	Semi-annual	120	75 mg/L	$\boxtimes$	5220D	PH-0116	
TSS	Semi-annual	150	90 mg/L		2540D	PH-0116	
TP	Semi-annual	0.22	0.40 mg/L		365.4	PH-0116	
TKN	Semi-annual	1.6	2.30 mg/L		351.2	PH-0116	

#### Exemptions

**Total Copper** 

**Total Zinc** 

Total Lead

24 Hr. LC<sub>50</sub>

48 Hr. LC<sub>50</sub>

 $NO_3-N$ 

List here any parameter(s) that will not be sampled for the remainder of the permit term:	see note below

1.10 mg/L

0.059 mg/L

0.160 mg/L

0.076 mg/L

n/a

n/a

0.146

ND < 0.04

0.081

0.016

П

300.0

200.7

200.7

200.7

**NOTE:** Complete the "Data Tracking Table" (page 4 on this form) to show the parameter is eligible for the monitoring exemption in Section 5(e)(1)(B)(iii) of the general permit. If you are discontinuing monitoring for impaired water parameters (per Section 5(e)(1)(D)), or parameters that are present due to natural or background levels or off site run-on (per Section 5(e)(1)(B)(V)), attach additional supporting information to this form.

Semi-annual

Semi-annual

Semi-annual

Semi-annual

Annual-Year 1&2

Annual-Year 1&2

PH-0723

PH-0116

PH-0116

PH-0116

## STORMWATER ACUTE TOXICITY TEST DATA SHEET

(required annually only during Year 1 and Year 2 of the permit)

Site Name: DPW-1					
Date/Time Begin:	Date/Time End:				
Sample Hardness:	Sample Conductivity:				
Test Species: Daphnia pulex < 24 hrs old	Dilution Water Hardness:				

Effluent Dilution		er of Orga Surviving		Disso	olved Ox (mg/L)	ygen	Те	mperatu (°C)	ıre		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
CONTROL 1												
CONTROL 2												
CONTROL 3												
CONTROL 4												
6.25% A												
6.25% B												
6.25% C												
6.25% D												
12.5% A												
12.5% B												
12.5% C												
12.5% D												
25% A												
25% B												
25% C												
25% D												
50% A												
50% B												
50% C												
50% D												
100% A			*									
100% B												
100% C												
100% D												

### REFERENCE TOXICANT RESULTS

Test Species	Date	Reference Toxicant	Source	LC <sub>50</sub>
Daphnia pulex				

## Additional Monitoring for Discharges to Impaired Waters (if applicable):

Parameter	Frequency	Results (units)	Test Method	Laboratory Name

## **Statement of Certification**

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute."						
Signature of Permittee	6/4/15 Date					
Name of Permittee (print or type)	Eng Manager Title (if applicable)					
Signature of Preparer (if different than above)	Date					
Name of Preparer (print or type)	Title (if applicable)					

Please send all completed forms to:

WATER TOXICS PROGRAM COORDINATOR BUREAU OF WATER PROTECTION AND LAND REUSE CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION 79 ELM STREET HARTFORD, CT 06106-5127

# General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Data Tracking Sheet General and Sector G Transportation Facilities Only Monitoring Requirements

Permittee Name: <u>Town of Fairfield</u>	Permit #: GSI <u>001448</u>
Site Name: <b>DPW-1</b>	
Site Address:	
Sample Location:	

Enter the sample dates and the data reported for the four (4) most recent semi-annual sample results at this discharge location into the chart below. To determine the average for the four samples add up each of the four results and then divide that number by 4.

## Average = (Sample 1+ Sample 2 + Sample 3 + Sample 4)

		Sample	e Result	14 mJ/4 Mg/L=s	والمراجع المراجع المراجع		
Parameter	1	2	3	4	Average	Benchmark*	Qualify for
Sample Date	4/20/15				7.110.0.9		exemption?
O&G	6.4					5.0 mg/L	
Sample pH	7.28					5-9 S.U.	
COD	120					75 mg/L	
TSS	150					90 mg/L	
TP	0.22					0.40 mg/L	
TKN	1.6			li .		2.30 mg/L	
NO <sub>3</sub> -N	0.146					1.10 mg/L	
Total Copper	ND < 0.04					0.059 mg/L	
Total Zinc	0.081					0.160 mg/L	
Total Lead	0.016					0.076 mg/L	

\*If the average of the four (4) most recent samples is less than the benchmark listed, your facility is no longer required to sample semi-annually for that parameter for the rest of the permit (current permit expires 9/30/2016). If your facility qualifies for an exemption from monitoring for sample pH, your facility is also exempt from monitoring rainfall pH for the remainder of the permit.

If the average of the four (4) most resent samples is equal to or greater than the benchmark listed, check the appropriate box on page 1. If so, you have exceeded the benchmark and must continue to sample this parameter semiannually until the average is below the benchmark. See Section 5(e)(1)(B) of the General permit for requirements when exceeding a benchmark.

If the sample result reported by the testing laboratory was below detection limit, for the purpose of averaging, use a value that is ½ the detection limit for that parameter in the formula above. For example, if the result for Oil & Grease was <2.0 mg/L, use a value of 1.0 mg/L for determining the average. Please refer to Section 5 e(1)B(iii) of the General Permit for a more detailed explanation.



## General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Stormwater Monitoring Report Form

General Requirements and Sector G Transportation Facilities Only (Do <u>not</u> submit if you have other sector specific requirements)

## **Facility Information**

Mailing Add	ame: <u>I own of Fal</u> ress: <b>725 Old Pos</b>		Site Name	: <u>DPW-2</u>			
Contact Person: William Hurley Title: Engineering Manager							
Business Phone: 203-256-3015 ext.:Email: whurley@fairfieldct.org							
	\ <u>-</u>				iairiieiuci.org		
	s:						
•	Vater (name/basin)	7					
Permit #: G	SI <b>001448</b>	Prima	ary SIC:				
Discharges	into an Impaired V	Vaterbody: Ye	s 🗌 No 🛚	(If yes, complete	the table on page	3 of this form)	
ample Info	rmation						
Sample Loc	ation: <b>DPW-2</b>		Person (	Collecting Sam	ple: Chris Rogei	rs	
	Collected: 4/20/20						
	s for samples requ		=				
•	·		·	•	Other 🗀		
	if the sample cont					see note below	
Check here	if a benchmark ex	ceedance is s	solely due to ba	ackground or of	ff site sources L	] see note below	
	D 14 -						
lonitoring l	Results						
Parameter	Required Frequency	Results (units)	Benchmark	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name	
\$15 E	Required		Benchmark 5.0 mg/L	Exceedance	Test Method		
Parameter Dil & Grease	Required Frequency	(units)		Exceedance (see pg 4)		Name	
Parameter Dil & Grease Rainfall pH	Required Frequency Semi-annual	(units) ND < 5.0	5.0 mg/L	Exceedance (see pg 4)	1664A	Name PH-0116	
Parameter Dil & Grease Rainfall pH Sample pH	Required Frequency Semi-annual Semi-annual	(units) ND < 5.0 7.31	5.0 mg/L n/a	Exceedance (see pg 4)	1664A 4500H-B	Name PH-0116 PH-0116	
Parameter Dil & Grease Rainfall pH Sample pH COD	Required Frequency  Semi-annual  Semi-annual  Semi-annual	(units)  ND < 5.0  7.31  6.85	5.0 mg/L n/a 5-9 SU	Exceedance (see pg 4)	1664A 4500H-B 4500H-B	PH-0116 PH-0116 PH-0116	
Parameter Dil & Grease Rainfall pH Sample pH COD	Required Frequency  Semi-annual Semi-annual Semi-annual Semi-annual	(units)  ND < 5.0  7.31  6.85  91	5.0 mg/L n/a 5-9 SU 75 mg/L	Exceedance (see pg 4)	1664A 4500H-B 4500H-B 5220D	PH-0116 PH-0116 PH-0116 PH-0116	
Parameter Dil & Grease Rainfall pH Sample pH COD TSS	Required Frequency  Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual	(units)  ND < 5.0  7.31  6.85  91  73	5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L	Exceedance (see pg 4)	1664A 4500H-B 4500H-B 5220D 2540D	PH-0116 PH-0116 PH-0116 PH-0116 PH-0116	
Parameter Dil & Grease Rainfall pH Gample pH COD TSS	Required Frequency  Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual	(units)  ND < 5.0  7.31  6.85  91  73  0.38	5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L	Exceedance (see pg 4)	1664A 4500H-B 4500H-B 5220D 2540D 365.4	PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0116	
Parameter Dil & Grease Rainfall pH Sample pH COD TSS TP TKN NO <sub>3</sub> -N	Required Frequency  Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual	(units)  ND < 5.0  7.31  6.85  91  73  0.38  2.7	5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L 2.30 mg/L	Exceedance (see pg 4)	1664A 4500H-B 4500H-B 5220D 2540D 365.4 351.2	PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0116	
Parameter  Dil & Grease Rainfall pH Sample pH COD TSS TP TKN NO <sub>3</sub> -N Total Copper	Required Frequency  Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual Semi-annual	(units)  ND < 5.0  7.31  6.85  91  73  0.38  2.7  0.248	5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L 2.30 mg/L 1.10 mg/L	Exceedance (see pg 4)	1664A 4500H-B 4500H-B 5220D 2540D 365.4 351.2 300.0	PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0723	
Parameter  Dil & Grease Rainfall pH  Sample pH  COD  TSS  TP  TKN  NO <sub>3</sub> -N  Total Copper  Total Zinc  Total Lead	Required Frequency  Semi-annual	(units)  ND < 5.0  7.31  6.85  91  73  0.38  2.7  0.248  ND < 0.04	5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L 2.30 mg/L 1.10 mg/L 0.059 mg/L 0.160 mg/L 0.076 mg/L	Exceedance (see pg 4)	1664A 4500H-B 4500H-B 5220D 2540D 365.4 351.2 300.0 200.7	Name  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0116  PH-0723  PH-0116	
Parameter  Dil & Grease Rainfall pH  Sample pH  COD  TSS  TP  TKN  NO <sub>3</sub> -N  Total Copper  Total Zinc  Total Lead  24 Hr. LC <sub>50</sub>	Required Frequency  Semi-annual Amnual Semi-annual	(units)  ND < 5.0  7.31  6.85  91  73  0.38  2.7  0.248  ND < 0.04  0.061	5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L 2.30 mg/L 1.10 mg/L 0.059 mg/L 0.160 mg/L 0.076 mg/L n/a	Exceedance (see pg 4)	1664A 4500H-B 4500H-B 5220D 2540D 365.4 351.2 300.0 200.7 200.7	Name PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0723 PH-0116 PH-0116	
Parameter  Dil & Grease Rainfall pH  Sample pH  COD  TSS  TP  TKN  NO <sub>3</sub> -N  Fotal Copper  Fotal Zinc  Fotal Lead	Required Frequency  Semi-annual	(units)  ND < 5.0  7.31  6.85  91  73  0.38  2.7  0.248  ND < 0.04  0.061	5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L 2.30 mg/L 1.10 mg/L 0.059 mg/L 0.160 mg/L 0.076 mg/L	Exceedance (see pg 4)	1664A 4500H-B 4500H-B 5220D 2540D 365.4 351.2 300.0 200.7 200.7	Name PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0723 PH-0116 PH-0116	
Parameter  Dil & Grease Rainfall pH  Sample pH  COD  TSS  TP  TKN  NO <sub>3</sub> -N  Total Copper  Total Zinc  Total Lead  24 Hr. LC <sub>50</sub>	Required Frequency  Semi-annual Annual-Year 1&2 Annual-Year 1&2	(units)  ND < 5.0  7.31  6.85  91  73  0.38  2.7  0.248  ND < 0.04  0.061	5.0 mg/L n/a 5-9 SU 75 mg/L 90 mg/L 0.40 mg/L 2.30 mg/L 1.10 mg/L 0.059 mg/L 0.160 mg/L 0.076 mg/L n/a	Exceedance (see pg 4)	1664A 4500H-B 4500H-B 5220D 2540D 365.4 351.2 300.0 200.7 200.7	Name PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0116 PH-0723 PH-0116 PH-0116	

**NOTE:** Complete the "Data Tracking Table" (page 4 on this form) to show the parameter is eligible for the monitoring exemption in Section 5(e)(1)(B)(iii) of the general permit. If you are discontinuing monitoring for impaired water parameters (per Section 5(e)(1)(D)), or parameters that are present due to natural or background levels or off site run-on (per Section 5(e)(1)(B)(V)), attach additional supporting information to this form.

### STORMWATER ACUTE TOXICITY TEST DATA SHEET

(required annually only during Year 1 and Year 2 of the permit)

Site Name: DPW-2					
Date/Time Begin:	Date/Time End:				
Sample Hardness:	Sample Conductivity:				
Test Species: <i>Daphnia pulex</i> < 24 hrs old	Dilution Water Hardness:				

Effluent Dilution		er of Org Surviving		Disso	olved Ox (mg/L)	ygen	Тє	emperati (°C)	ıre		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
CONTROL 1												
CONTROL 2												
CONTROL 3												
CONTROL 4												
6.25% A												
6.25% B												
6.25% C												
6.25% D												
12.5% A												
12.5% B												
12.5% C												
12.5% D												
25% A												
25% B												
25% C												
25% D												
50% A												
50% B												
50% C												
50% D												
100% A												
100% B												
100% C												
100% D												

### REFERENCE TOXICANT RESULTS

Test Species	Date	Reference Toxicant	Source	LC <sub>50</sub>
Daphnia pulex				

## Additional Monitoring for Discharges to Impaired Waters (if applicable):

Results (units)	Test Method	Laboratory Name

## **Statement of Certification**

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute."						
Wellcam Hulles Signature of Permittee	6/4/15					
Signature of Permittee	Date					
Name of Permittee (print or type)	Eng Manuser Title (if applicable)					
Name of Permittee (print or type)	Title (if applicable)					
Signature of Preparer (if different than above)	Date					
Name of Preparer (print or type)	Title (if applicable)					

Please send all completed forms to:

WATER TOXICS PROGRAM COORDINATOR BUREAU OF WATER PROTECTION AND LAND REUSE CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION 79 ELM STREET HARTFORD, CT 06106-5127

# General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Data Tracking Sheet General and Sector G Transportation Facilities Only Monitoring Requirements

Permittee Name: Town of Fairfield	Permit #: GSI <u>001448</u>
Site Name: DPW-2	,
Site Address:	
Sample Location:	

Enter the sample dates and the data reported for the four (4) most recent semi-annual sample results at this discharge location into the chart below. To determine the average for the four samples add up each of the four results and then divide that number by 4.

## Average = (Sample 1+ Sample 2 + Sample 3 + Sample 4)

		Samp	le Result	3 3 7			
Parameter	1	2	3	4	Average	Benchmark*	Qualify for exemption?
Sample Date	4/20/15				, wording o	Donominant	
O&G	ND < 5.0					5.0 mg/L	
Sample pH	6.85					5-9 S.U.	
COD	91					75 mg/L	
TSS	73					90 mg/L	
TP	0.38					0.40 mg/L	
TKN	2.7					2.30 mg/L	
NO <sub>3</sub> -N	0.248					1.10 mg/L	
Total Copper	ND < 0.04					0.059 mg/L	
Total Zinc	0.061					0.160 mg/L	
Total Lead	ND<0.013					0.076 mg/L	

\*If the average of the four (4) most recent samples is less than the benchmark listed, your facility is no longer required to sample semi-annually for that parameter for the rest of the permit (current permit expires 9/30/2016). If your facility qualifies for an exemption from monitoring for sample pH, your facility is also exempt from monitoring rainfall pH for the remainder of the permit.

If the average of the four (4) most resent samples is equal to or greater than the benchmark listed, check the appropriate box on page 1. If so, you have exceeded the benchmark and must continue to sample this parameter semiannually until the average is below the benchmark. See Section 5(e)(1)(B) of the General permit for requirements when exceeding a benchmark.

If the sample result reported by the testing laboratory was below detection limit, for the purpose of averaging, use a value that is ½ the detection limit for that parameter in the formula above. For example, if the result for Oil & Grease was <2.0 mg/L, use a value of 1.0 mg/L for determining the average. Please refer to Section 5 e(1)B(iii) of the General Permit for a more detailed explanation.



## General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Stormwater Monitoring Report Form

General Requirements and Sector G Transportation Facilities Only (Do <u>not</u> submit if you have other sector specific requirements)

## **Facility Information**

		4								
	Permittee Name: Town of Fairfield Site Name: Ground Products 1									
_	Mailing Address: 725 Old Post Road  Contact Person: William Hurley  Title: Engineering Manager									
Contact Per	son: <u>William Hurl</u>	ev.	Title: <u>E</u>	ngineering Ma	anager					
Business Phone: 203-256-3015 ext.:Email: whurley@fairfieldct.org										
Site Address:										
Receiving Water (name/basin): Pine Creek										
Permit #: GSI 001871 Primary SIC:										
	into an Impaired W					3 of this form)				
Sample Info	rmation									
Sample Loc	ation: <b>Ground Pro</b>	oducts 1	Person (	Collecting Sam	ple: Chris Roge	r's				
	Collected: 4/20/20									
	s for samples requ									
				Annually 🗀	Other 🗀					
	if the sample conta				_	T and note below				
Check here	if a benchmark ex	ceedance is	solely due to ba	ackground or of	ff site sources	see note below				
onitoring	Results									
Parameter	Required Frequency	Results (units)	Benchmark	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name				
Oil & Grease	Semi-annual	10	5.0 mg/L		1664A	PH-0116				
Rainfall pH	Semi-annual	7.31	n/a		4500H-B	PH-0116				
Sample pH	Semi-annual	7.05	5-9 SU		4500H-B	PH-0116				
COD	Semi-annual	770	75 mg/L	$\boxtimes$	5220D	PH-0116				
rss	Semi-annual	870	90 mg/L		2540D	PH-0116				
ГР	Semi-annual	2.8	0.40 mg/L	$\boxtimes$	365.4	PH-0116				
ΓKN	Semi-annual	13	2.30 mg/L		351.2	PH-0116				
1O <sub>3</sub> -N	Semi-annual	0.242	1.10 mg/L		300.0	PH-0723				
otal Copper	Semi-annual	0.13	0.059 mg/L	$\boxtimes$	200.7	PH-0116				
Γotal Zinc	Semi-annual	0.46	0.160 mg/L	$\boxtimes$	200.7	PH-0116				
Total Lead	Semi-annual	0.068	0.076 mg/L		200.7	PH-0116				
24 Hr. LC <sub>50</sub>	Annual-Year 1&2		n/a							
48 Hr. LC <sub>50</sub>	Annual-Year 1&2		n/a							
xemptions										
₋ist here any <sub>l</sub>	parameter(s) that w	ill not be samp	oled for the rem	ainder of the pe	rmit term: see note b	elow				

**NOTE:** Complete the "Data Tracking Table" (page 4 on this form) to show the parameter is eligible for the monitoring exemption in Section 5(e)(1)(B)(iii) of the general permit. If you are discontinuing monitoring for impaired water parameters (per Section 5(e)(1)(D)), or parameters that are present due to natural or background levels or off site run-on (per Section 5(e)(1)(B)(V)), attach additional supporting information to this form.

### STORMWATER ACUTE TOXICITY TEST DATA SHEET

(required annually only during Year 1 and Year 2 of the permit)

Site Name: Ground Products 1					
Date/Time Begin:	Date/Time End:				
Sample Hardness:	Sample Conductivity:				
Test Species: Daphnia pulex < 24 hrs old	Dilution Water Hardness:				

Effluent Dilution	Numbe	er of Org Surviving	anisms 3	Disso	olved Ox (mg/L)	ygen	Te	mperatu (°C)	ıre		pH (su)	
Hour	00	24	48	00	24	48	00	24	48	00	24	48
CONTROL 1												
CONTROL 2												
CONTROL 3												
CONTROL 4												
6.25% A												
6.25% B												
6.25% C												
6.25% D												
12.5% A												
12.5% B												
12.5% C												
12.5% D												
25% A												
25% B												
25% C												
25% D												
50% A												
50% B												
50% C												
50% D												
100% A												
100% B												
100% C												
100% D												

### REFERENCE TOXICANT RESULTS

Test Species	Date	Reference Toxicant	Source	LC <sub>50</sub>
Daphnia pulex				

## Additional Monitoring for Discharges to Impaired Waters (if applicable):

Parameter	Frequency	Results (units)	Test Method	Laboratory Name
	ž.			

## **Statement of Certification**

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute."							
William Husle Signature of Permittee	6/4/15						
Signature of Permittee	Date						
Name of Permittee (print or type)	Eng Manager Title (if applicable)						
Name of Permittee (print or type)	Title (if applicable)						
Signature of Preparer (if different than above)	Date						
Name of Preparer (print or type)	Title (if applicable)						

Please send all completed forms to:

WATER TOXICS PROGRAM COORDINATOR BUREAU OF WATER PROTECTION AND LAND REUSE CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION 79 ELM STREET HARTFORD, CT 06106-5127

# General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Data Tracking Sheet General and Sector G Transportation Facilities Only Monitoring Requirements

Permittee Name: Town of Fairfield	Permit #: GSI <u>001871</u>
Site Name: Ground Products 1	
Site Address:	
Sample Location:	

Enter the sample dates and the data reported for the four (4) most recent semi-annual sample results at this discharge location into the chart below. To determine the average for the four samples add up each of the four results and then divide that number by 4.

## Average = (Sample 1 + Sample 2 + Sample 3 + Sample 4)

Parameter		Sample	Result				
	1	2	3	4	Average	Benchmark*	Qualify for
Sample Date	4/20/15				Average	Benefittark	exemption?
O&G	10					5.0 mg/L	
Sample pH	7.05					5-9 S.U.	
COD	770					75 mg/L	
TSS	870					90 mg/L	
TP	2.8					0.40 mg/L	
TKN	13					2.30 mg/L	
NO <sub>3</sub> -N	0.242					1.10 mg/L	
Total Copper	0.13					0.059 mg/L	
Total Zinc	0.46					0.160 mg/L	
Total Lead	0.068					0.076 mg/L	

\*If the average of the four (4) most recent samples is less than the benchmark listed, your facility is no longer required to sample semi-annually for that parameter for the rest of the permit (current permit expires 9/30/2016). If your facility qualifies for an exemption from monitoring for sample pH, your facility is also exempt from monitoring rainfall pH for the remainder of the permit.

If the average of the four (4) most resent samples is equal to or greater than the benchmark listed, check the appropriate box on page 1.If so, you have exceeded the benchmark and must continue to sample this parameter semiannually until the average is below the benchmark. See Section 5(e)(1)(B) of the General permit for requirements when exceeding a benchmark.

If the sample result reported by the testing laboratory was below detection limit, for the purpose of averaging, use a value that is ½ the detection limit for that parameter in the formula above. For example, if the result for Oil & Grease was <2.0 mg/L, use a value of 1.0 mg/L for determining the average. Please refer to Section 5 e(1)B(iii) of the General Permit for a more detailed explanation.



#### General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Stormwater Monitoring Report Form

General Requirements and Sector G Transportation Facilities Only (Do not submit if you have other sector specific requirements)

#### **Facility Information**

Permittee N	ame: <u>Town of Fa</u>	irfield	Site Name	: Ground Prod	ducts 2				
Mailing Add	ress: 725 Old Pos	st Road				-			
Contact Per	Contact Person: William Hurley Title: Engineering Manager								
Business Phone: 203-256-3015 ext.:Email: whurley@fairfieldct.org									
Site Address	3:								
Receiving W	/ater (name/basin	): <u>Pine Creek</u>							
Permit #: GS	SI_ <b>001871</b>	Prim	ary SIC:						
Discharges	into an Impaired V	Vaterbody: Ye	es 🗌 No 🖂	(If yes, complete	the table on page	3 of this form)			
Sample Info	rmation								
Sample Loc	ation: <b>Ground Pr</b>	oducte 2	Person (	Collecting Sam	nle" Chris Pogo	re			
	Collected: <u>4/20/20</u>					15			
	s for samples req				7				
1	if the sample conf			Annually [					
	if a benchmark ex			ackground or of	ff site sources [	¬ see note below			
Officer field			———————						
Monitoring I	Results								
Parameter	Required Frequency	Results (units)	Benchmark	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name			
Oil & Grease	Semi-annual	ND < 5.0	5.0 mg/l		16644	PH-0116			

Parameter	Required Frequency	Results (units)	Benchmark	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name
Oil & Grease	Semi-annual	ND < 5.0	5.0 mg/L		1664A	PH-0116
Rainfall pH	Semi-annual	7.31	n/a		4500H-B	PH-0116
Sample pH	Semi-annual	6,88	5-9 SU		4500H-B	PH-0116
COD	Semi-annual	2200	75 mg/L	$\boxtimes$	5220D	PH-0116
TSS	Semi-annual	1300	90 mg/L		2540D	PH-0116
TP	Semi-annual	7,4	0.40 mg/L	$\boxtimes$	365.4	PH-0116
TKN	Semi-annual	19	2.30 mg/L		351.2	PH-0116
NO <sub>3</sub> -N	Semi-annual	0.438	1.10 mg/L		300.0	PH-0723
Total Copper	Semi-annual	0.42	0.059 mg/L		200.7	PH-0116
Total Zinc	Semi-annual	0.96	0.160 mg/L		200.7	PH-0116
Total Lead	Semi-annual	0.14	0.076 mg/L		200.7	PH-0116
24 Hr. LC <sub>50</sub>	Annual-Year 1&2		n/a			
48 Hr. LC <sub>50</sub>	Annual-Year 1&2		n/a			

Exem	otions
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List here any parameter(s) that will not be sampled for the remainder of the permit term:	see note below
9	

(required annually only during Year 1 and Year 2 of the permit)

Site Name: Ground Products 2					
Date/Time Begin:	Date/Time End:				
Sample Hardness:	Sample Conductivity:				
Test Species: Daphnia pulex < 24 hrs old	Dilution Water Hardness:				

Effluent Dilution	Numbe	er of Orga	anisms	Dissolved Oxygen Temperature (°C)			pH (su)					
Hour	00	24	48	00	24	48	00	24	48	00	24	48
CONTROL 1												
CONTROL 2												
CONTROL 3												
CONTROL 4												
6.25% A												
6.25% B												
6.25% C												
6.25% D												
12.5% A												
12.5% B												
12.5% C												
12.5% D												
25% A												
25% B												
25% C												
25% D												
50% A												
50% B												
50% C												
50% D												
100% A				10								
100% B												
100% C												
100% D												

Test Species	Date	Reference Toxicant	Source	LC <sub>50</sub>
Daphnia pulex				

#### Additional Monitoring for Discharges to Impaired Waters (if applicable):

Parameter	Frequency	Results (units)	Test Method	Laboratory Name

#### **Statement of Certification**

"I have personally examined and am familiar with the informatio attachments thereto, and I certify that based on reasonable investindividuals responsible for obtaining the information, the submitt complete to the best of my knowledge and belief. I understand to information may be punishable as a criminal offense, in accordance Statutes, pursuant to section 53a-157b of the General Statutes, applicable statute."	estigation, including my inquiry of the ted information is true, accurate and hat a false statement in the submitted ance with section 22a-6 of the General
William Khalay Signature of Permittee	6/4/15
Signature of Permittee	Date
Name of Permittee (print or type)	Eng Manager Title (if applicable)
	N
Signature of Preparer (if different than above)	Date
Name of Preparer (print or type)	Title (if applicable)

Please send all completed forms to:

# General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Data Tracking Sheet General and Sector G Transportation Facilities Only Monitoring Requirements

Permittee Name: <u>Town of Fairfield</u>	Permit #: GSI <u>001871</u>
Site Name: Ground Products 2	"
Site Address:	
Sample Location:	

Enter the sample dates and the data reported for the four (4) most recent semi-annual sample results at this discharge location into the chart below. To determine the average for the four samples add up each of the four results and then divide that number by 4.

### Average = (Sample 1 + Sample 2 + Sample 3 + Sample 4)

	Sample Result							
Parameter	1	2	3	4	Average	Benchmark*	Qualify for	
Sample Date	4/20/15				Average	Deficialitate	exemption?	
O&G	ND < 5.0					5.0 mg/L		
Sample pH	6.88					5-9 S.U.		
COD	2200					75 mg/L		
TSS	1300					90 mg/L		
TP	7.4					0.40 mg/L		
TKN	19					2.30 mg/L		
NO <sub>3</sub> -N	0.438					1.10 mg/L		
Total Copper	0.42					0.059 mg/L		
Total Zinc	0.96					0.160 mg/L		
Total Lead	0.14					0.076 mg/L		

\*If the average of the four (4) most recent samples is less than the benchmark listed, your facility is no longer required to sample semi-annually for that parameter for the rest of the permit (current permit expires 9/30/2016). If your facility qualifies for an exemption from monitoring for sample pH, your facility is also exempt from monitoring rainfall pH for the remainder of the permit.

If the average of the four (4) most resent samples is equal to or greater than the benchmark listed, check the appropriate box on page 1. If so, you have exceeded the benchmark and must continue to sample this parameter semiannually until the average is below the benchmark. See Section 5(e)(1)(B) of the General permit for requirements when exceeding a benchmark.



## General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Stormwater Monitoring Report Form Sector H - Marinas, Yacht Clubs & Boat Dealers

#### **Facility Information**

Permittee Name: Town of Fairfield Site Name: Marina 1								
Mailing Address: 725 Old Post Road								
Contact Person: William Hurley Title: Engineering Manager								
Business Phone: 203-256-3015 ext.:Email: whurley@fairfieldct.org								
Site Address								
Receiving Wa	ater (name/basin):	LIS						
Permit #: GS	002240	Prima	ry SIC:					
Discharges ir	nto an Impaired Wa	iterbody: Ye	es 🗌 No 🛭	(If yes, comp	lete the table on pag	e 3 of this form)		
Sample Infor	mation							
Sample Loca	ition: Marina 1		Person Colle	ecting Sample:	Chris Rogers			
I	ollected: 4/20/2015							
	for samples requir							
· ·	f the sample contai		•	•				
	f a benchmark exce			ckground or off	site sources	see note below		
Monitoring Results								
Parameter	Required Frequency	Results (units)	Benchmark	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name		
Oil & Grease	Semi-annual	ND < 5.0	5.0 mg/L		1664A	PH-0116		
Rainfall pH	Semi-annual	6.63	n/a		4500H-B	PH-0116		
Sample pH	Semi-annual	6.65	5-9 SU		4500H-B	PH-0116		
COD	Semi-annual	85	75 mg/L		5220D	PH-0116		

				(see pg 4)		
Oil & Grease	Semi-annual	ND < 5.0	5.0 mg/L		1664A	PH-0116
Rainfall pH	Semi-annual	6.63	n/a		4500H-B	PH-0116
Sample pH	Semi-annual	6.65	5-9 SU		4500H-B	PH-0116
COD	Semi-annual	85	75 mg/L	$\boxtimes$	5220D	PH-0116
TSS	Semi-annual	110	90 mg/L		2540D	PH-0116
TP	Semi-annual	0.15	0.40 mg/L		365.4	PH-0116
TKN	Semi-annual	1.8	2.30 mg/L		351.2	PH-0116
NO <sub>3</sub> -N	Semi-annual	0.167	1.10 mg/L		300.0	PH-0723
Total Copper	Semi-annual for the entire permit term	ND < 0.04	n/a		200.7	PH-0116
Total Zinc	Semi-annual	0.13	0.160 mg/L		200.7	PH-0116
Total Lead	Semi-annual	ND < 0.013	0.076 mg/L		200.7	PH-0116
24 Hr. LC <sub>50</sub>	Annual-Year 1&2		n/a			
48 Hr. LC <sub>50</sub>	Annual-Year 1&2		n/a			

<sup>\*</sup>See Additional Sector H Monitoring Section on page 3 of this form

#### **Exemptions**

(required annually only during Year 1 and Year 2 of the permit)

Site Name: Marina 1					
Date/Time Begin:	Date/Time End;				
Sample Hardness:	Sample Conductivity:				
Test Species: <i>Daphnia pulex</i> < 24 hrs old	Dilution Water Hardness:				

Effluent Dilution	Numbe	er of Org Surviving	anisms 3	Dissolved Oxygen (mg/L)		Temperature (°C)			pH (su)			
Hour	00	24	48	00	24	48	00	24	48	00	24	48
CONTROL 1												
CONTROL 2												
CONTROL 3												
CONTROL 4												
6.25% A												
6.25% B												
6.25% C												
6.25% D												
12.5% A												
12.5% B												
12.5% C												
12.5% D												
25% A												
25% B												
25% C												
25% D												
50% A												
50% B												
50% C												
50% D												
100% A												
100% B												
100% C												
100% D												

Test Species	Date	Reference Toxicant	Source	LC <sub>50</sub>
Daphnia pulex				

Parameter	Required Frequency	Results (units)	Benchmark	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name
Total Iron	Semi-annual	2.9	1.0 mg/L	$\boxtimes$	200.7	PH-0116
Total Aluminum	Semi-annual	1.3	0.75 mg/L		200.7	PH-0116

### Additional Monitoring for Discharges to Impaired Waters (if applicable):

Parameter	Frequency	Results (units)	Test Method	Laboratory Name

#### **Statement of Certification**

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute."						
Wleum Kurk	6/4/15					
Signature of Permittee	Date					
Name of Permittee (print or type)	Eng Manager					
Name of Permittee (print or type)	Title (if applicable)					
Signature of Preparer (if different than above)	Date					
Name of Preparer (print or type)	Title (if applicable)					

Please send all completed forms to:

## General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Data Tracking Sheet Sector H –Marinas, Yacht Clubs & Boat Dealers

Permittee Name: <u>Town of Fairfield</u>	Permit #: GSI <u>002240</u>			
Site Name: Marina 1				
Site Address:				
Sample Location:	_			

Enter the sample dates and the data reported for the four (4) most recent semi-annual sample results at this discharge location in the chart below. To determine the average for the four samples add up each of the four results and then divide that number by 4.

## Average = (Sample 1+ Sample 2 + Sample 3 + Sample 4)

Parameter		Sample	Result				
	1 1	2	3	4	Average	Benchmark*	Qualify for
Sample Date	4/20/15					A CONTRACTOR	exemption?
O&G	ND					5.0 mg/L	
Sample pH	6.65					5-9 S.U.	
COD	85					75 mg/L	
TSS	110					90 mg/L	
TP	0.15					0.40 mg/L	
TKN	1.8					2.30 mg/L	
NO <sub>3</sub> -N	0.167					1.10 mg/L	
Total Zinc	0.13					0.160 mg/L	
Total Lead	ND < 0.04					0.076 mg/L	
Total Iron	2.9					1.0 mg.L	
Total Aluminum	1.3					0.75 mg/L	

<sup>\*</sup>If the average of the four (4) most recent samples is less than the benchmark listed, your facility is no longer required to sample semi-annually for that parameter for the rest of the permit (current permit expires 9/30/2016). If your facility qualifies for an exemption from monitoring for sample pH, your facility is also exempt from monitoring rainfall pH for the remainder of the permit. There is no monitoring exemption for copper for this sector. Facilities in this sector must monitor for copper semi-annually for the entire permit.

If the average of the four (4) most resent samples is equal to or greater than the benchmark listed, check the appropriate box on page 1. If so, you have exceeded the benchmark and must continue to sample this parameter semiannually until the average is below the benchmark. See Section 5(e)(1)(B) of the General permit for requirements when exceeding a benchmark.



## General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Stormwater Monitoring Report Form Sector H - Marinas, Yacht Clubs & Boat Dealers

#### **Facility Information**

Permittee Nar	ne: Town of Fairf	ield	Site Na	me: Marina 3					
Mailing Addre	ss: 725 Old Post I	Rd							
Contact Perso	on: William Hurley		Title: En	gineering Mar	nager				
Business Pho	ne: <b>203-256-3015</b>	6	ext.:Ema	ail: whurley@fa	airfieldct.org				
Site Address:	Site Address:								
Receiving Water (name/basin): LIS									
Permit #: GSI	Permit #: GSI <u>002240</u> Primary SIC:								
	Discharges into an Impaired Waterbody: Yes  No  (If yes, complete the table on page 3 of this form)								
Sample Information									
Sample Locat	ion: Marina 3		Person Colle	ecting Sample:	Chris Rogers				
	llected: 4/20/15 1								
l	for samples requir								
	the sample contain								
Check here if	a benchmark exce	edance is so	olely due to bad	ckground or off	site sources	see note below			
Monitoring R	esults								
Parameter	Required Frequency	Results (units)	Benchmark	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name			
Oil & Grease	Semi-annual	ND < 5.0	5.0 mg/L		1664A	PH-0116			

Parameter	Required Frequency	Results (units)	Benchmark	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name
Oil & Grease	Semi-annual	ND < 5.0	5.0 mg/L		1664A	PH-0116
Rainfall pH	Semi-annual	6.63	n/a	(3) A - 1	4500H-B	PH-0116
Sample pH	Semi-annual	7.18	5-9 SU		4500H-B	PH-0116
COD	Semi-annual	140	75 mg/L	$\boxtimes$	5220D	PH-0116
TSS	Semi-annual	280	90 mg/L	$\boxtimes$	2540D	PH-0116
TP	Semi-annual	0.32	0.40 mg/L		365.4	PH-0116
TKN	Semi-annual	1.9	2.30 mg/L		351.2	PH-0116
NO <sub>3</sub> -N	Semi-annual	0.111	1.10 mg/L		300.0	PH-0723
Total Copper	Semi-annual for the entire permit term	ND < 0.04	n/a		200.7	PH-0116
Total Zinc	Semi-annual	0.19	0.160 mg/L		200.7	PH-0116
Total Lead	Semi-annual	ND < 0.013	0.076 mg/L		200.7	PH-0116
24 Hr. LC <sub>50</sub>	Annual-Year 1&2		n/a			
48 Hr. LC <sub>50</sub>	Annual-Year 1&2		n/a			

<sup>\*</sup>See Additional Sector H Monitoring Section on page 3 of this form

#### **Exemptions**

List here any parameter(s) that will not be sampled for the remainder of the permit term: see not	e below
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(required annually only during Year 1 and Year 2 of the permit)

Site Name: Marina 3	,
Date/Time Begin:	Date/Time End:
Sample Hardness:	Sample Conductivity:
Test Species: <i>Daphnia pulex</i> < 24 hrs old	Dilution Water Hardness;

Effluent Dilution	Numbe	er of Orga Surviving	anisms	Disso	olved Ox (mg/L)	ygen	Te	Temperature (°C)			pH (su)		
Hour	00	24	48	00	24	48	00	24	48	00	24	48	
CONTROL 1													
CONTROL 2													
CONTROL 3													
CONTROL 4													
6.25% A													
6.25% B													
6.25% C													
6.25% D													
12.5% A													
12.5% B													
12.5% C													
12.5% D													
25% A													
25% B													
25% C													
25% D													
50% A													
50% B													
50% C													
50% D													
100% A													
100% B													
100% C													
100% D													

Test Species	Date	Reference Toxicant	Source	LC <sub>50</sub>
Daphnia pulex				

Parameter	Required Frequency	Benchmark		Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name
Total Iron	Semi-annual	6.5	1.0 mg/L		200.7	PH-0116
Total Aluminum	Semi-annual	4.3	0.75 mg/L	$\boxtimes$	200.7	PH-0116

#### Additional Monitoring for Discharges to Impaired Waters (if applicable):

Parameter	Frequency	Results (units)	Test Method	Laboratory Name

#### **Statement of Certification**

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute."							
William King	6/4/15						
Signature of Permittee	Date						
Willian Hurley	Eng Manuser						
Name of Permittee (print or type)	Title (if applicable)						
Signature of Preparer (if different than above)	Date						
Name of Preparer (print or type)	Title (if applicable)						

Please send all completed forms to:

#### General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Data Tracking Sheet Sector H –Marinas, Yacht Clubs & Boat Dealers

Permittee Name: <u>Town of Fairfield</u>	Permit #: GSI <u>002240</u>
Site Name: Marina 3	
Site Address:	A:
Sample Location:	

Enter the sample dates and the data reported for the four (4) most recent semi-annual sample results at this discharge location in the chart below. To determine the average for the four samples add up each of the four results and then divide that number by 4.

### Average = (Sample 1+ Sample 2 + Sample 3 + Sample 4)

		Samp	le Result				
Parameter	1	2	3	4	Average	Benchmark*	Qualify for
Sample Date	4/20/15				Average	Delicilliaik	exemption?
O&G	ND < 5.0					5.0 mg/L	
Sample pH	7.18					5-9 S.U.	
COD	140					75 mg/L	
TSS	280					90 mg/L	
TP	0.32					0.40 mg/L	
TKN	1.9					2.30 mg/L	
NO <sub>3</sub> -N	0.111					1.10 mg/L	
Total Zinc	0.19					0.160 mg/L	
Total Lead	ND < 0.013					0.076 mg/L	
Total Iron	6.5					1.0 mg.L	
Total Aluminum	4.3		ar .			0.75 mg/L	

\*If the average of the four (4) most recent samples is less than the benchmark listed, your facility is no longer required to sample semi-annually for that parameter for the rest of the permit (current permit expires 9/30/2016). If your facility qualifies for an exemption from monitoring for sample pH, your facility is also exempt from monitoring rainfall pH for the remainder of the permit. There is no monitoring exemption for copper for this sector. Facilities in this sector must monitor for copper semi-annually for the entire permit.

If the average of the four (4) most resent samples is equal to or greater than the benchmark listed, check the appropriate box on page 1. If so, you have exceeded the benchmark and must continue to sample this parameter semiannually until the average is below the benchmark. See Section 5(e)(1)(B) of the General permit for requirements when exceeding a benchmark.



## General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Stormwater Monitoring Report Form Sector H - Marinas, Yacht Clubs & Boat Dealers

#### **Facility Information**

Permittee Name: Town of Fairfield Site Name: Marina 7										
Mailing Address: 725 Old Post Rd										
Contact Person: William Hurley Title: Engineering Manager										
Business Phone: 203-256-3015 ext.: Email: whurley@fairfieldct.org										
Site Address	Site Address:									
Receiving W	/ater (name/basin): L	IS								
1	SI <b>002240</b>									
	into an Impaired Wat					o 3 of this form)				
Discharges	into an impaired vvai	erbody. re-		(II yes, comp	======================================	e 3 of this form)				
Sample Info	rmation									
Sample Loc	ation: Marina 7		_Person Colle	ecting Sample:	Chris Rogers					
· ·	Collected: <u>4/20/2015</u>									
	s for samples require									
	if the sample contain									
l	•			drawa und ar off	site sources 🗀	see note below				
Check here	if a benchmark exce	edance is soi	ely due to bac	ekground or on	site sources [					
Monitoring l	Results									
Parameter	Required Frequency	Results (units)	Benchmark	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name				
Oil & Grease	Semi-annual	ND < 5.0	5.0 mg/L		1664A	PH-0116				
Rainfall pH	Semi-annual	6.63	n/a		4500H-B	PH-0116				
Sample pH	Semi-annual	6.71	5-9 SU		4500H-B	PH-0116				
COD	Semi-annual	85	75 mg/L	$\boxtimes$	5220D	PH-0116				
TSS	Semi-annual	60	90 mg/L		2540D	PH-0116				
TP	Semi-annual	0.12	0.40 mg/L		365.4	PH-0116				
TKN	Semi-annual	1.5	2.30 mg/L		351.2	PH-0116				
NO <sub>3</sub> -N	Semi-annual	0.202	1.10 mg/L		300.0	PH-0723				
Total Copper	Semi-annual for the entire permit term	ND < 0.04	n/a		200.7	PH-0116				
Total Zinc	Semi-annual	0.071	0.160 mg/L		200.7	PH-0116				
Total Lead	Semi-annual	ND < 0.013	0.076 mg/L		200.7	PH-0116				
24 Hr. LC <sub>50</sub>	Annual-Year 1&2		n/a							
48 Hr. LC <sub>50</sub>	Annual-Year 1&2		n/a							

#### **Exemptions**

List here any parameter(s) that will not be sampled for the remainder of the permit term: see note below

<sup>\*</sup>See Additional Sector H Monitoring Section on page 3 of this form

(required annually only during Year 1 and Year 2 of the permit)

Site Name: Marina 8							
Date/Time Begin:	Date/Time End:						
Sample Hardness:	Sample Conductivity:						
Test Species: Daphnia pulex < 24 hrs old	Dilution Water Hardness:						

Effluent Dilution	Numbe	er of Orga Surviving	anisms J	Dissolved Oxygen (mg/L)		Temperature (°C)				pH (su)		
Hour	00	24	48	00	24	48	00	24	48	00	24	48
CONTROL 1												
CONTROL 2												
CONTROL 3												
CONTROL 4												
6.25% A												
6.25% B												
6.25% C												
6.25% D					,							
12.5% A												
12.5% B												
12.5% C												
12.5% D												
25% A												
25% B												
25% C												
25% D												
50% A												
50% B												
50% C												
50% D												
100% A												
100% B												
100% C												
100% D												

Test Species	Date	Reference Toxicant	Source	LC <sub>50</sub>
Daphnia pulex				

Parameter	Required Frequency	Results (units)	Benchmark	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name
Total Iron	Semi-annual	2.4	1.0 mg/L		200.7	PH-0116
Total Aluminum	Semi-annual	1.4	0.75 mg/L	$\boxtimes$	200.7	PH-0116

#### Additional Monitoring for Discharges to Impaired Waters (if applicable):

Parameter	Frequency	Results (units)	Test Method	Laboratory Name

#### **Statement of Certification**

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute."							
Wellean Herle	614115						
Signature of Permittee	Date						
William Hulley	Eng Manager						
Name of Permittee (print or type)	Title (if applicable)						
Signature of Preparer (if different than above)	Date						
Name of Preparer (print or type)	Title (if applicable)						

Please send all completed forms to:

#### General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Data Tracking Sheet Sector H –Marinas, Yacht Clubs & Boat Dealers

Permittee Name: <u>Town of Fairfield</u>	Permit #: GSI <u>002240</u>
Site Name: Marina 7	
Site Address:	
Sample Location:	

Enter the sample dates and the data reported for the four (4) most recent semi-annual sample results at this discharge location in the chart below. To determine the average for the four samples add up each of the four results and then divide that number by 4.

## Average = (Sample 1+ Sample 2 + Sample 3 + Sample 4)

		Sample	Result	Un 3 m			
Parameter	. 1	2	3	4	Augraga	Danahara dat	Qualify for
Sample Date	4/20/15				Average	Benchmark*	exemption?
O&G	ND < 5.0					5.0 mg/L	
Sample pH	6.71					5-9 S.U.	
COD	85					75 mg/L	
TSS	60					90 mg/L	
TP	0.12					0.40 mg/L	
TKN	1.5					2.30 mg/L	
NO <sub>3</sub> -N	0.202					1.10 mg/L	
Total Zinc	0.071					0.160 mg/L	
Total Lead	ND < 0.013					0.076 mg/L	
Total Iron	2.4					1.0 mg.L	
Total	1.4					0.75 mg/L	

\*If the average of the four (4) most recent samples is less than the benchmark listed, your facility is no longer required to sample semi-annually for that parameter for the rest of the permit (current permit expires 9/30/2016). If your facility qualifies for an exemption from monitoring for sample pH, your facility is also exempt from monitoring rainfall pH for the remainder of the permit. There is no monitoring exemption for copper for this sector. Facilities in this sector must monitor for copper semi-annually for the entire permit.

If the average of the four (4) most resent samples is equal to or greater than the benchmark listed, check the appropriate box on page 1. If so, you have exceeded the benchmark and must continue to sample this parameter semiannually until the average is below the benchmark. See Section 5(e)(1)(B) of the General permit for requirements when exceeding a benchmark.



#### General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Stormwater Monitoring Report Form Sector H - Marinas, Yacht Clubs & Boat Dealers

#### **Facility Information**

Permittee Name: Town of Fairfield Site Name: Marina 8									
Mailing Address: 725 Old Post Rd									
Contact Perso	Contact Person: William Hurley Title: Engineering Manager								
Business Phone: 203-256-3015 ext.:Email: whurley@fairfieldct.org									
Site Address:									
Receiving Water (name/basin): LIS									
Permit #: GSI	Permit #: GSI <u>002240</u> Primary SIC:								
Discharges in	Discharges into an Impaired Waterbody: Yes  No  (If yes, complete the table on page 3 of this form)								
Sample Information									
Sample Locat	tion: Marina 8		_Person Colle	ecting Sample:	Chris Rogers	2			
i i	ollected: 4/20/2015								
	for samples require				-	3			
· ·	the sample contain			-					
				karound or off	site sources	see note below			
Check here if a benchmark exceedance is solely due to background or off site sources									
Monitoring Results									
Parameter	Required Frequency	Results (units)	Benchmark	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name			

Parameter Required Frequency		Results (units)	Benchmark	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name
Oil & Grease	Semi-annual	ND < 5.0	5.0 mg/L		1664A	PH-0116
Rainfall pH	Semi-annual	6.63	n/a		4500H-B	PH-0116
Sample pH	Semi-annual	7.04	5-9 SU		4500H-B	PH-0116
COD	Semi-annual	96	75 mg/L		5220D	PH-0116
TSS	Semi-annual	78	90 mg/L		2540D	PH-0116
TP	Semi-annual	0.19	0.40 mg/L		365.4	PH-0116
TKN	Semi-annual	2.0	2.30 mg/L		351.2	PH-0116
NO <sub>3</sub> -N	Semi-annual	0.217	1.10 mg/L		300.0	PH-0723
Total Copper	Semi-annual for the entire permit term	ND < 0.04	n/a		200.7	PH-0116
Total Zinc	Semi-annual	0.081	0.160 mg/L		200.7	PH-0116
Total Lead	Semi-annual	ND < 0.013	0.076 mg/L		200.7	PH-0116
24 Hr. LC <sub>50</sub>	Annual-Year 1&2		n/a	VX STEERS		
48 Hr. LC <sub>50</sub>	Annual-Year 1&2		n/a	9		

<sup>\*</sup>See Additional Sector H Monitoring Section on page 3 of this form

#### **Exemptions**

List here any parameter(s) that will not be sampled for the remainder of the permit term: see note	below
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(required annually only during Year 1 and Year 2 of the permit)

Site Name: Marina 8	
Date/Time Begin:	Date/Time End:
Sample Hardness;	Sample Conductivity:
Test Species: <i>Daphnia pulex</i> < 24 hrs old	Dilution Water Hardness:

Effluent Dilution		er of Org Surviving		Dissolved Oxygen (mg/L)		Temperature (°C)				pH (su)		
Hour	00	24	48	00	24	48	00	24	48	00	24	48
CONTROL 1												
CONTROL 2												
CONTROL 3												
CONTROL 4												
6.25% A												
6.25% B												
6.25% C												
6.25% D												
12.5% A												
12.5% B												
12.5% C												
12.5% D												
25% A												
25% B												
25% C												
25% D												
50% A												
50% B												
50% C												
50% D												
100% A												
100% B												
100% C												
100% D												

Test Species	Date	Reference Toxicant	Source	LC <sub>50</sub>
Daphnia pulex				

Parameter	Required Frequency	Results (units)	Benchmark	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name
Total Iron	Semi-annual	2.8	1.0 mg/L		200.7	PH-0116
Total Aluminum	Semi-annual	1.6	0.75 mg/L	$\boxtimes$	200.7	PH-0116

### Additional Monitoring for Discharges to Impaired Waters (if applicable):

Parameter	Frequency	Results (units)	Test Method	Laboratory Name
				1

#### **Statement of Certification**

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute."				
William Hinly	6/4/15			
Signature of Permittee	Date			
Name of Permittee (print or type)	Eng Manager			
Name of Permittee (print or type)	Title (if applicable)			
Signature of Preparer (if different than above)	Date			
Name of Preparer (print or type)	Title (if applicable)			

Please send all completed forms to:

## General Permit for the Discharge of Stormwater Associated with Industrial Activity, effective 10/1/2011 Data Tracking Sheet Sector H – Marinas, Yacht Clubs & Boat Dealers

Permittee Name: <u>Town of Fairfield</u>	Permit #: GSI <u>002240</u>		
Site Name: Marina 8			
Site Address:			
Sample Location:			

Enter the sample dates and the data reported for the four (4) most recent semi-annual sample results at this discharge location in the chart below. To determine the average for the four samples add up each of the four results and then divide that number by 4.

## Average = (Sample 1+ Sample 2 + Sample 3 + Sample 4)

Parameter	Sample Result						
	2001 1:00 P	2	3	4	Average	Benchmark*	Qualify for
Sample Date	4/20/15						exemption?
O&G	ND < 5.0					5.0 mg/L	
Sample pH	7.04					5-9 S.U.	
COD	96					75 mg/L	
TSS	78					90 mg/L	
TP	0.19					0.40 mg/L	
TKN	2.0					2.30 mg/L	
NO <sub>3</sub> -N	0.217					1.10 mg/L	
Total Zinc	0.081					0.160 mg/L	
Total Lead	ND < 0.013					0.076 mg/L	
Total Iron	2.8					1.0 mg.L	
Total Aluminum	1.6					0.75 mg/L	

\*If the average of the four (4) most recent samples is less than the benchmark listed, your facility is no longer required to sample semi-annually for that parameter for the rest of the permit (current permit expires 9/30/2016). If your facility qualifies for an exemption from monitoring for sample pH, your facility is also exempt from monitoring rainfall pH for the remainder of the permit. There is no monitoring exemption for copper for this sector. Facilities in this sector must monitor for copper semi-annually for the entire permit.

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