# Town of Windsor Stormwater Management Plan



2007 Annual Report

December 31, 2007

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#### **Executive Summary**

In 2004, the Town of Windsor prepared a five-year Phase II Stormwater Management Plan as required by the Connecticut Department of Environmental Protection's General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems.

This plan includes several goals and actions to achieve cleaner stormwater in drainage systems, watercourses, waterbodies, and wetlands throughout the Town.

The General Permit requires the Town to submit annual reports, which demonstrate the plan progress, effectiveness, and upcoming goals and actions. These reports are also produced for residents for review and comment. The following information includes the Town's efforts to date on the plan and what the Town will accomplish throughout the life of the General Permit.

#### 2007 Annual Report

The Town of Windsor completed the preparation of the Stormwater Management Plan in May 2004. The Plan is available for public review at the Windsor Main Library, the Wilson Branch Library, the Town Clerk's Office in the Windsor Town Hall, on the internet at <a href="https://www.townofwindsorct.com">www.townofwindsorct.com</a>, or arrangements can be made to receive a copy by contacting the Engineering Department at (860) 285-1861.

As part of the General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems, the Town is required to develop and submit annual reports to demonstrate the progress of the Plan.

The first permit year (2004) for the Plan technically began in January of 2004 although the Plan was not formally submitted to CTDEP until July 2004. The first permit year ended on December 31, 2004. This report covers the period of January 1, 2007 through December 31, 2007.

The activities completed this year, include the following:

#### **Catch Basin Marker Installation**

As part of the catch basin marker installation program, approximately 381 catch basins were marked with a placard, stating, "Drains to Waterways and the Long Island Sound, No Dumping!" To date, 544 catch basins have been marked. These markers warn people that discharging harmful contaminants into a catch basin has a negative impact on the local waterways and the Long Island Sound. This year, the Rotary Club of Windsor/Windsor Locks volunteered to install the markers. This program will continue throughout the permit years.

#### **Stormwater Website**

The Information Section of the Town's website, was used to provide information regarding the Town's efforts on stormwater management. This information can also be accessed through the introductory screen on the Town of Windsor's web page at www.townofwindsorct.com. The stormwater section includes the five-year Stormwater Management Plan, the presentation slides for the stormwater management plan that were used at the Conservation Commission meeting, and the 2004 through 2006 Annual Report. As the plan progresses, additional stormwater related information will be added to this web page. The 2007 Annual Report will be made available through the web page.

#### **Household Hazardous Waste Collection Day**

The Town continued its coordination efforts for the Metropolitan District Commission's (MDC) Household Hazardous Waste Collection Days in 2007.

This collection allows residents to properly dispose of household hazardous wastes such as pool chemicals, wood preservatives, and disinfectants. This program is anticipated to remain throughout the life of the permit. In 2007, MDC collected over 4800 pounds of hazardous waste from 279 Windsor households.

#### **Community Clean-ups**

The Town Environmental Planner conducted 2 community clean-ups, April 20, 2007 and September 29, 2007. The April clean-up was throughout Town and 1.4 tons of trash was collected. The September clean-up was focused on the banks of the Farmington River and Connecticut River, with over ¾ ton of debris removed.

#### **Public Education**

The Town provided stormwater management information to Windsor residents through a variety of media outlets over the past year. Feature articles and photos were published in local newspapers on the Earth Day and Connecticut River community clean-up efforts. These newspapers include the Hartford Courant, Journal Inquirer, Windsor Journal, and Reminder News. Promotional information on these events as well as other stormwater management educational information was also broadcast on Windsor's Government Access Television Channel, WGTV.

In addition, the Town of Windsor publication, *There's a lot to do in Windsor* included public relations information for pool and outdoor hot tub owners regarding regulations for pool wastewater discharge and environmental education tips for residents regarding washing cars and watering lawns. Earth Day and Connecticut River Clean-up programs were also publicized in the magazine to educate all citizens. This town magazine, published three times per year is mailed to every household and business in Windsor for a total distribution of 13,500.

This past Fall, the Environmental Planner conducted an informational dialogue with the Exchange Club, a civic organization in Windsor.

#### **Street Sweeping**

The Town continued its efforts to sweep Town-owned roadways and parking areas. All of the town roadways and parking areas were swept between the early spring and summer. This program will continue throughout the five-year stormwater plan.

#### **Catch Basin Cleaning**

The Town continued its efforts to clean Town-owned catch basins. In 2007 a total of 2335 catch basins were cleaned. This program will continue throughout the five-year stormwater plan.

#### **Development Reviews**

Town staff reviews all proposed developments with respect to stormwater quality impacts. Town staff works with developers and engineers for each individual project to determine the best management practices. This practice will also continue throughout the life of the plan.

Oil/water separators are now being required in new commercial and industrial parking areas for stormwater cleaning prior to discharge into detention basins or offsite stormwater systems.

#### Water Testing - 2007

The Town was required by the permit to complete a minimum of six outfall water tests, which represent the overall nature of each respective land use type, including industrial, commercial, and residential land uses. Outfalls are stormwater discharges, typically pipes located at the end of a storm drainage system that allow stormwater to enter into a watercourse, waterbody, wetland etc.

The six outfall water testing locations were selected in an attempt to geographically cover the Town and subsequently cover different watersheds, watercourses, wetlands, etc. We visited several potential outfalls and selected the following locations due to their geographic location, accessibility, and the nature of the contributing watershed area:

#### **Commercial Outfall Locations**

- 1. 1075 Kennedy Road (Shopping Center with Stop & Shop)
- 2. 555 Day Hill Road (Day Hill Village Shoppes)

#### **Industrial Outfall Locations**

- 1. 800 Marshall Phelps Road (Industrial Park)
- 2. 615 Day Hill Road (Scott's Lawn Care)
- 3. 570 Hayden Station Road Alternate test location (Industrial Park)

#### Residential Outfall Locations

- 1. Between 124 and 128 Harvest Lane
- 2. Between 21 and 27 Philip Henry Circle

Both residential sites showed a drop in E. coli levels with R1 showing an increase in lead. Industrial Site 1 showed increased levels of hardness, COD, TP, ammonia, and lead while Industrial Site 2 showed a decrease in oil & grease, TSS, and NO3+NO2. Commercial Site1 showed decreased levels of TSS, E.coli, and lead with Commercial Site 2 showing an increase in hardness and TP.

In addition, the Town is conducting a pilot program using catch basin inserts in a small drainage area on Rainbow Road. Base water testing was done in April 2007. The inserts were installed in May and the first test was done in November. The results of the first test showed a decrease in turbidity, TSS, E. coli, and lead. Increases were shown in hardness, conductivity and TP. As soon as the weather permits, the inserts are due to be cleaned.

#### **Proposed 2008 Permit Year Activities**

Several goals and actions are proposed, which will be completed during the fifth permit year (2008) of the Plan. The following measures are planned to be completed in 2008 with respect to the Minimum Control Measures:

#### Public Participation/Involvement

- Conduct a community cleanup
- Conduct a public information meeting
- Request involvement from a Town Organization(s)

#### **Public Education and Outreach**

- Develop educational brochures
- Develop an educational television campaign
- Continue catch basin markings, with new markers for new residential subdivisions

#### **Illicit Discharge Detection and Elimination**

- Continue household hazardous waste collection day
- Develop an illicit discharge ordinance
- Employee training

#### Pollution Prevention/Municipal Stormwater Practices

- Develop employee training materials
- Develop Best Management Practices
- Evaluate maintenance program effectiveness
- Employ Stormwater Pollution Prevention Plans for Town facilities
- Utilize the Information Management System
- Prepare a stormwater system maintenance plan and schedule
- Continue street sweeping and catch basin cleaning

#### **Construction Site Runoff Control**

- Setup information management system
- Develop a sediment and erosion control ordinance

#### **Post Construction Site Runoff Control**

- Develop a list of recommended Best Management Practices
- Develop a post construction runoff control ordinance
- Continue staff training

#### Water Testing, Evaluation, and Reporting

- Continue to conduct water quality testing (Commercial, Industrial, Residential)
- Prepare an evaluation Report



#### Stormwater Monitoring Report Form

#### PERMITTEE INFORMATION

Town: Town	of Windsor		
		Windsor, CT 06095	
1			tal Planner Phone: <u>860-285-1987</u>
1			
Permit Registrati	on # <u>GSM 200</u>	0401190	
SAMPLING INFO	ORMATION		
Discharge Locati	on (Lat/Long or othe	er description):	
#1 – 1075 Kenne	edy Rd.		
			ommercial, or Residential
	(name, basin): <u>Fa</u>		
<del>-</del>	Discharge: 8:30		
	<del>-</del>		Water Temperature: 4.4degC
			ompliance Solutions
			orm Duration (hours): 8hrs
Date of Previous	Storm Event:	4/4/07	
MONITORING R	<u>ESULTS</u>		
Parameter	Method	Results (units)	Laboratory
Sample pH	pH Probe	6.25 s.u.	Measurement Taken in Field
Rain pH	pH Probe	6.11 s.u.	Measurement Taken in Field
Hardness	S 2340 B	17.8 mg/l	Phoenix Environmental Labs
	01105405	120 umhos/cm	Phoenix Environmental Labs
Conductivity	SM 2510 B		
Conductivity Oil & Grease	SM 2510 B EPA 1664	1.6 mg/l	Phoenix Environmental Labs
		<u> </u>	Phoenix Environmental Labs Phoenix Environmental Labs
Oil & Grease	EPA 1664	1.6 mg/l	Phoenix Environmental Labs Phoenix Environmental Labs Phoenix Environmental Labs
Oil & Grease COD	EPA 1664 SM 5220 D	1.6 mg/l 63 mg/l	Phoenix Environmental Labs Phoenix Environmental Labs Phoenix Environmental Labs Phoenix Environmental Labs
Oil & Grease COD Turbidity	EPA 1664 SM 5220 D E 180.1	1.6 mg/l 63 mg/l 31.3 NTU	Phoenix Environmental Labs
Oil & Grease COD Turbidity TSS	EPA 1664 SM 5220 D E 180.1 SM 2540 D	1.6 mg/l 63 mg/l 31.3 NTU 26 mg/l	Phoenix Environmental Labs
Oil & Grease COD Turbidity TSS TP	EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2	1.6 mg/l 63 mg/l 31.3 NTU 26 mg/l 0.19 mg/l	Phoenix Environmental Labs
Oil & Grease COD Turbidity TSS TP Ammonia	EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3	1.6 mg/l 63 mg/l 31.3 NTU 26 mg/l 0.19 mg/l 0.28 mg/l	Phoenix Environmental Labs
Oil & Grease COD Turbidity TSS TP Ammonia TKN	EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1	1.6 mg/l 63 mg/l 31.3 NTU 26 mg/l 0.19 mg/l 0.28 mg/l 1.3 mg/l	Phoenix Environmental Labs
Oil & Grease COD Turbidity TSS TP Ammonia TKN NO <sub>3</sub> +NO <sub>2</sub> E. coli	EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1 E 353.2	1.6 mg/l 63 mg/l 31.3 NTU 26 mg/l 0.19 mg/l 0.28 mg/l 1.3 mg/l 1.3 mg/l 260 /100 mls	Phoenix Environmental Labs
Oil & Grease COD Turbidity TSS TP Ammonia TKN NO <sub>3</sub> +NO <sub>2</sub> E. coli  STATEMENT OI  I certify that the accordance with	EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1 E 353.2 SM 9222 G  F ACKNOWLEDG	1.6 mg/l 63 mg/l 31.3 NTU 26 mg/l 0.19 mg/l 0.28 mg/l 1.3 mg/l 1.3 mg/l 260 /100 mls	Phoenix Environmental Labs
Oil & Grease COD Turbidity TSS TP Ammonia TKN NO <sub>3</sub> +NO <sub>2</sub> E. coli  STATEMENT OI  I certify that the accordance with	EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1 E 353.2 SM 9222 G  F ACKNOWLEDG  data reported on the MS4 General Procurate and comple	1.6 mg/l 63 mg/l 31.3 NTU 26 mg/l 0.19 mg/l 0.28 mg/l 1.3 mg/l 1.3 mg/l 260 /100 mls	Phoenix Environmental Labs



#### Stormwater Monitoring Report Form

#### PERMITTEE INFORMATION

Darameter Method	Poculte (unite)	Laboratory
MONITORING RESULTS		
Date of Previous Storm Event: 4/		
- · · · · · · · · · · · · · · · · · · ·	_	rm Duration (hours): 8hrs
Person Collecting Sample: Mark		
		Water Temperature: 45.6degC
Time of Start of Discharge: 8:30a	m	
Receiving Water (name, basin): Farm	nington River	
Please circle the appropriate area desc	cription: Industrial, Co	mmercial, or Residential
#2 - 124/128 Harvest Lane		
Discharge Location (Lat/Long or other	description):	
SAMPLING INFORMATION		
Permit Registration #GSM 2004	01195	
Contact Person: Cyd Groff	_ Title: <u>Environment</u>	al Planner Phone: 860-285-1987
Mailing Address: <u>275 Broad Street, W</u>	/indsor, CT 06095	
Town: Town of Windsor		
I LIMIT ILL IN OKMATION		

Parameter	Method	Results (units)	Laboratory
Sample pH	pH Probe	5.90 s.u.	Measurement Taken in Field
Rain pH	pH Probe	6.11 s.u.	Measurement Taken in Field
Hardness	S 2340 B	11.7 mg/l	Phoenix Environmental Labs
Conductivity	SM 2510 B	67 umhos/cm	Phoenix Environmental Labs
Oil & Grease	EPA 1664	<1.4 mg/l	Phoenix Environmental Labs
COD	SM 5220 D	40 mg/l	Phoenix Environmental Labs
Turbidity	E 180.1	36.0 NTU	Phoenix Environmental Labs
TSS	SM 2540 D	35 mg/l	Phoenix Environmental Labs
TP	E 365.2	0.15 mg/l	Phoenix Environmental Labs
Ammonia	S 4500 NH3	0.29 mg/l	Phoenix Environmental Labs
TKN	E 351.1	1.1 mg/l	Phoenix Environmental Labs
NO <sub>3</sub> +NO <sub>2</sub>	E 353.2	0.27 mg/l	Phoenix Environmental Labs
E. coli	SM 9222 G	<20 /100 mls	Phoenix Environmental Labs

#### STATEMENT OF ACKNOWLEDGMENT

I certify that the data accordance with the and belief, true, accu	ta 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 trate and complete.
Authorized Official:	Tom Lenehan, Town Engineer
Signature:	Word Leben Date: 5/20/07



#### Stormwater Monitoring Report Form

#### **PERMITTEE INFORMATION**

Town: <u>Town</u>	of Windsor		
Mailing Address:	275 Broad Street,	Windsor, CT 06095	
Contact Person: Cyd Groff Title: Environmental Planner Phone: 860-285-1987			
	on # <u>GSM 20</u> 0		
L 1 0////	<u> </u>		
SAMPLING INFO	ORMATION .		
Discharge Locati	on (Lat/Long or othe	er description):	
-	•		
			ommercial, or Residential
	(name, basin): Mil		
	Discharge: 8:30		1424 T 4 8dogC
			Water Temperature: 4.6degC
			ompliance Solutions
Storm Magnitude	e (inches):1.12	2 inches Sto	orm Duration (hours): 8hrs
Date of Previous	Storm Event:	4/4/07	
MONITORING R			
Parameter	Method	Results (units)	Laboratory
Sample pH	pH Probe	6.21 s.u.	Measurement Taken in Field
Rain pH	pH Probe	6.11 s.u.	Measurement Taken in Field
1 1 VS111 P			
Hardness	S 2340 B	7.15 mg/l	Phoenix Environmental Labs
Hardness Conductivity	S 2340 B SM 2510 B	46 umhos/cm	Phoenix Environmental Labs  Phoenix Environmental Labs
<u> </u>			Phoenix Environmental Labs Phoenix Environmental Labs
Conductivity	SM 2510 B	46 umhos/cm	Phoenix Environmental Labs Phoenix Environmental Labs Phoenix Environmental Labs
Conductivity Oil & Grease	SM 2510 B EPA 1664	46 umhos/cm 2.6 mg/l	Phoenix Environmental Labs Phoenix Environmental Labs Phoenix Environmental Labs Phoenix Environmental Labs
Conductivity Oil & Grease COD	SM 2510 B EPA 1664 SM 5220 D	46 umhos/cm 2.6 mg/l 43 mg/l	Phoenix Environmental Labs
Conductivity Oil & Grease COD Turbidity	SM 2510 B EPA 1664 SM 5220 D E 180.1	46 umhos/cm 2.6 mg/l 43 mg/l 55.0 NTU 45 mg/l 0.41 mg/l	Phoenix Environmental Labs Phoenix Environmental Labs Phoenix Environmental Labs Phoenix Environmental Labs
Conductivity Oil & Grease COD Turbidity TSS	SM 2510 B EPA 1664 SM 5220 D E 180.1 SM 2540 D	46 umhos/cm 2.6 mg/l 43 mg/l 55.0 NTU 45 mg/l	Phoenix Environmental Labs
Conductivity Oil & Grease COD Turbidity TSS TP	SM 2510 B EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2	46 umhos/cm 2.6 mg/l 43 mg/l 55.0 NTU 45 mg/l 0.41 mg/l	Phoenix Environmental Labs
Conductivity Oil & Grease COD Turbidity TSS TP Ammonia	SM 2510 B EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1 E 353.2	46 umhos/cm 2.6 mg/l 43 mg/l 55.0 NTU 45 mg/l 0.41 mg/l 0.54 mg/l 2.4 mg/l 0.22 mg/l	Phoenix Environmental Labs
Conductivity Oil & Grease COD Turbidity TSS TP Ammonia TKN	SM 2510 B EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1	46 umhos/cm 2.6 mg/l 43 mg/l 55.0 NTU 45 mg/l 0.41 mg/l 0.54 mg/l 2.4 mg/l	Phoenix Environmental Labs
Conductivity Oil & Grease COD Turbidity TSS TP Ammonia TKN NO <sub>3</sub> +NO <sub>2</sub> E. coli	SM 2510 B EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1 E 353.2	46 umhos/cm 2.6 mg/l 43 mg/l 55.0 NTU 45 mg/l 0.41 mg/l 0.54 mg/l 2.4 mg/l 0.22 mg/l 160 /100 mls	Phoenix Environmental Labs
Conductivity Oil & Grease COD Turbidity TSS TP Ammonia TKN NO <sub>3</sub> +NO <sub>2</sub> E. coli  STATEMENT OF	SM 2510 B EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1 E 353.2 SM 9222 G  ACKNOWLEDG  data reported on the MS4 General Procurate and comple	46 umhos/cm 2.6 mg/l 43 mg/l 55.0 NTU 45 mg/l 0.41 mg/l 0.54 mg/l 2.4 mg/l 0.22 mg/l 160 /100 mls  MENT  his document were preferent. The information stee.	Phoenix Environmental Labs
Conductivity Oil & Grease COD Turbidity TSS TP Ammonia TKN NO <sub>3</sub> +NO <sub>2</sub> E. coli  STATEMENT OF	SM 2510 B EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1 E 353.2 SM 9222 G  ACKNOWLEDG  data reported on the MS4 General Procurate and comple	46 umhos/cm 2.6 mg/l 43 mg/l 55.0 NTU 45 mg/l 0.41 mg/l 0.54 mg/l 2.4 mg/l 0.22 mg/l 160 /100 mls	Phoenix Environmental Labs



#### Stormwater Monitoring Report Form

#### **PERMITTEE INFORMATION**

Town: Town of Windsor
Mailing Address: 275 Broad Street, Windsor, CT 06095
Contact Person: Cyd Groff Title: Environmental Planner Phone: 860-285-1987
Permit Registration #GSM 200401195
SAMPLING INFORMATION
Discharge Location (Lat/Long or other description):
#4 - 555 Day Hill Rd.
Please circle the appropriate area description: Industrial, Commercial, or Residential
Receiving Water (name, basin): Mill Brook
Time of Start of Discharge: 8:30am
Date/Time Collected: 4/12/07 11:18-11:29 am Water Temperature: 6.1degC
Person Collecting Sample: Mark Morgano, TurnKey Compliance Solutions
Storm Magnitude (inches): 1.12 inches Storm Duration (hours): 8hrs
Date of Previous Storm Event: 4/4/07

#### **MONITORING RESULTS**

Parameter	Method	Results (units)	Laboratory
Sample pH	pH Probe	5.90 s.u.	Measurement Taken in Field
Rain pH	pH Probe	6.11 s.u.	Measurement Taken in Field
Hardness	S 2340 B	5.95 mg/l	Phoenix Environmental Labs
Conductivity	SM 2510 B	75 umhos/cm	Phoenix Environmental Labs
Oil & Grease	EPA 1664	<1.4 mg/l	Phoenix Environmental Labs
COD	SM 5220 D	20 mg/l	Phoenix Environmental Labs
Turbidity	E 180.1	23.4 NTU	Phoenix Environmental Labs
TSS	SM 2540 D	14 mg/l	Phoenix Environmental Labs
TP	E 365.2	0.13 mg/l	Phoenix Environmental Labs
Ammonia	S 4500 NH3	0.16 mg/l	Phoenix Environmental Labs
TKN	E 351.1	0.61 mg/l	Phoenix Environmental Labs
NO <sub>3</sub> +NO <sub>2</sub>	E 353.2	0.26 mg/l	Phoenix Environmental Labs
E. coli	SM 9222 G	100 /100 mls	Phoenix Environmental Labs

#### STATEMENT OF ACKNOWLEDGMENT

	ta 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 urate and complete.
Authorized Official:	Tom Lenehan, Town Engineer
Sìgnature:	Worlden Date: 5/2019



#### Stormwater Monitoring Report Form

#### PERMITTEE INFORMATION

PEKMILIE IM			
Town: Town			And the second s
Mailing Address: 275 Broad Street, Windsor, CT 06095			
Contact Person: Cyd Groff Title: Environmental Planner Phone: 860-285-1987			
	on # <u>GSM 200</u>		
SAMPLING INFO	ORMATION		
		er description):	
			ommercial, or Residential
			minorola, or recordental
	(name, basin): Mil		
Time of Start of	Discharge: 8:30	am	
Date/Time Colle	cted: <u>4/12/07 1</u>	1:38-11:46 am	Water Temperature: 5.3degC
Person Collectin	g Sample: <u>Mar</u>	k Morgano, TurnKey C	ompliance Solutions
Storm Magnitude	e (inches):1.12	! inches Sto	orm Duration (hours): 8hrs
	Storm Event:		
2010 0			
MONITORING R	ESULTS		
Parameter	Method	Results (units)	Laboratory
Sample pH	pH Probe	4.05 s.u.	Measurement Taken in Field
Rain pH	pH Probe	6.11 s.u.	Measurement Taken in Field
Hardness	S 2340 B	1.44 mg/l	Phoenix Environmental Labs
Conductivity	SM 2510 B	8.0 umhos/cm	Phoenix Environmental Labs
Oil & Grease	EPA 1664	<1.4 mg/l	Phoenix Environmental Labs
COD	SM 5220 D	15 mg/l	Phoenix Environmental Labs
Turbidity	E 180.1	9.54 NTU	Phoenix Environmental Labs
TSS	SM 2540 D	16 mg/l	Phoenix Environmental Labs
TP	E 365.2	0.06 mg/l	Phoenix Environmental Labs
Ammonia	S 4500 NH3	0.09 mg/l	Phoenix Environmental Labs
TKN	E 351.1	0.29 mg/l	Phoenix Environmental Labs
NO <sub>3</sub> +NO <sub>2</sub>	E 353.2	0.07 mg/l	Phoenix Environmental Labs
E. coli	SM 9222 G	<20 /100 mls	Phoenix Environmental Labs
Ł			
STATEMENT O	F ACKNOWLEDG	MENT	
accordance with	data reported on the the MS4 General Paccurate and comple	ermit. The information	epared under my direction or supervision in submitted is, to the best of my knowledge
Authorized Officia	al: Tom Leneha	n, Town Engineer	Ch. La
Signature:	Word V	Lille-	Date:
		The state of the s	



#### Stormwater Monitoring Report Form

#### **PERMITTEE INFORMATION**

<u> </u>			
Town: <u>Town</u>	of Windsor		
Mailing Address:	275 Broad Street,	Windsor, CT 06095	
Contact Person:	Cvd Groff	Title: Environment	tal <u>Planner</u> Phone: <u>860-285-1987</u>
	on # <u>GSM 200</u>		
T CITILE ROGIONAL	<u> </u>		
SAMPLING INFO	<u>ORMATION</u>		
Discharge Locati	ion (Lat/Long or othe	er description):	
#6 – 21/27 Philip	Henry Circle		
		scription: Industrial, Co	ommercial, or Residential
		cker's Brook/Connectic	
Time of Start of	Discharge: 8:30	)am	
	-		Water Temperature:5.1degC
			ompliance Solutions
Storm Magnitude	e (inches):1.12	<u>inches</u> Sto	orm Duration (hours): 8hrs
Date of Previous	Storm Event:	4/4/07	
MONITORING D	ECH TO		
MONITORING R	ESULIS		
Parameter	Method	Results (units)	Laboratory
Sample pH	pH Probe	5.92 s.u.	Measurement Taken in Field
Rain pH	pH Probe	6.11 s.u.	Measurement Taken in Field
Hardness	S 2340 B	20.1 mg/l	Phoenix Environmental Labs
Conductivity	SM 2510 B	78 umhos/cm	Phoenix Environmental Labs
Oil & Grease	EPA 1664	1.9 mg/l	Phoenix Environmental Labs
COD	SM 5220 D	52 mg/l	Phoenix Environmental Labs
Turbidity	E 180.1	72.1 NTU	Phoenix Environmental Labs
TSS	SM 2540 D	74 mg/l	Phoenix Environmental Labs
TP	E 365.2	0.30 mg/l	Phoenix Environmental Labs
Ammonia	S 4500 NH3	0.18 mg/l	Phoenix Environmental Labs
# \ # \	3 4300 141 13		
TKN	E 351.1	1 mg/l	Phoenix Environmental Labs
<u> </u>			Phoenix Environmental Labs Phoenix Environmental Labs
TKN	E 351.1	1 mg/l	

#### STATEMENT OF ACKNOWLEDGMENT

I certify that the dat accordance with the and belief, true, accu	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:	Tom Lenehan, Town Engineer
Signature:	you Lela Date: 5 (3elo)

Bureau of Water Management DEP-PERD-SMR-021



#### Stormwater Monitoring Report Form

PERMITTEE INFORMATION					
Town: Town of Windsor					
<u> </u>	Mailing Address: 275 Broad Street, Windsor, CT 06095				
Contact Person: Cyd Groff Title: Environmental Planner Phone: 860-285-1987					
Permit Registrat	ion # <u>GSM 20</u>	0401195			
SAMPLING INFO	ORMATION				
Discharge Locat	ion (Lat/Long or othe	er description):	-		
EXTRA A - Bart	's on Palisado Aveni	ue			
Please circle the	appropriate area de	escription: Industrial, Co	mmercial, or Residential		
		rmington River			
		Dam			
Date/Time Colle	cted: <u>4/12/07</u>	12:36-12:43pm	Water Temperature: <u>5.6 degC</u>		
Person Collectin	g Sample: <u>Mar</u>	<u>rk Morgano, TurnKey C</u>	ompliance Solutions		
Storm Magnitud	e (inches):1.12	2 inches Sto	orm Duration (hours): 8hrs		
	Storm Event:				
Date 01 1 1011000					
MONITORING F	RESULTS				
Parameter	Method	Results (units)	Laboratory		
Parameter Sample pH	Method pH Probe	Results (units) 5.23 s.u.	Measurement Taken in Field		
		<u> </u>	Measurement Taken in Field  Measurement Taken in Field		
Sample pH	pH Probe	5.23 s.u.	Measurement Taken in Field  Measurement Taken in Field  Phoenix Environmental Labs		
Sample pH Rain pH Hardness	pH Probe pH Probe	5.23 s.u. 6.11 s.u.	Measurement Taken in Field  Measurement Taken in Field		
Sample pH Rain pH Hardness Conductivity	pH Probe pH Probe S 2340 B	5.23 s.u. 6.11 s.u. 8.5 mg/l	Measurement Taken in Field  Measurement Taken in Field  Phoenix Environmental Labs		
Sample pH Rain pH Hardness Conductivity Oil & Grease	pH Probe pH Probe S 2340 B SM 2510 B	5.23 s.u. 6.11 s.u. 8.5 mg/l 20 umhos/cm	Measurement Taken in Field Measurement Taken in Field Phoenix Environmental Labs Phoenix Environmental Labs		
Sample pH Rain pH Hardness Conductivity Oil & Grease COD	pH Probe pH Probe S 2340 B SM 2510 B EPA 1664	5.23 s.u. 6.11 s.u. 8.5 mg/l 20 umhos/cm <1.4 mg/l	Measurement Taken in Field Measurement Taken in Field Phoenix Environmental Labs Phoenix Environmental Labs Phoenix Environmental Labs		
Sample pH Rain pH Hardness Conductivity Oil & Grease COD Turbidity	pH Probe pH Probe S 2340 B SM 2510 B EPA 1664 SM 5220 D E 180.1	5.23 s.u. 6.11 s.u. 8.5 mg/l 20 umhos/cm <1.4 mg/l 43 mg/l	Measurement Taken in Field Measurement Taken in Field Phoenix Environmental Labs Phoenix Environmental Labs Phoenix Environmental Labs Phoenix Environmental Labs		
Sample pH Rain pH Hardness Conductivity Oil & Grease COD Turbidity TSS	pH Probe pH Probe S 2340 B SM 2510 B EPA 1664 SM 5220 D	5.23 s.u. 6.11 s.u. 8.5 mg/l 20 umhos/cm <1.4 mg/l 43 mg/l 29.4 NTU 48 mg/l	Measurement Taken in Field Measurement Taken in Field Phoenix Environmental Labs		
Sample pH Rain pH Hardness Conductivity Oil & Grease COD Turbidity TSS TP	pH Probe pH Probe S 2340 B SM 2510 B EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2	5.23 s.u. 6.11 s.u. 8.5 mg/l 20 umhos/cm <1.4 mg/l 43 mg/l 29.4 NTU 48 mg/l 0.18 mg/l	Measurement Taken in Field Measurement Taken in Field Phoenix Environmental Labs		
Sample pH Rain pH Hardness Conductivity Oil & Grease COD Turbidity TSS TP Ammonia	pH Probe pH Probe S 2340 B SM 2510 B EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3	5.23 s.u. 6.11 s.u. 8.5 mg/l 20 umhos/cm <1.4 mg/l 43 mg/l 29.4 NTU 48 mg/l 0.18 mg/l 0.13 mg/l	Measurement Taken in Field Measurement Taken in Field Phoenix Environmental Labs		
Sample pH Rain pH Hardness Conductivity Oil & Grease COD Turbidity TSS TP Ammonia TKN	pH Probe pH Probe S 2340 B SM 2510 B EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1	5.23 s.u. 6.11 s.u. 8.5 mg/l 20 umhos/cm <1.4 mg/l 43 mg/l 29.4 NTU 48 mg/l 0.18 mg/l	Measurement Taken in Field Measurement Taken in Field Phoenix Environmental Labs		
Sample pH Rain pH Hardness Conductivity Oil & Grease COD Turbidity TSS TP Ammonia TKN NO <sub>3</sub> +NO <sub>2</sub>	pH Probe pH Probe S 2340 B SM 2510 B EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1 E 353.2	5.23 s.u. 6.11 s.u. 8.5 mg/l 20 umhos/cm <1.4 mg/l 43 mg/l 29.4 NTU 48 mg/l 0.18 mg/l 0.13 mg/l 0.63 mg/l 0.08 mg/l	Measurement Taken in Field Measurement Taken in Field Phoenix Environmental Labs		
Sample pH Rain pH Hardness Conductivity Oil & Grease COD Turbidity TSS TP Ammonia TKN NO <sub>3</sub> +NO <sub>2</sub> E. coli	pH Probe pH Probe S 2340 B SM 2510 B EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1	5.23 s.u. 6.11 s.u. 8.5 mg/l 20 umhos/cm <1.4 mg/l 43 mg/l 29.4 NTU 48 mg/l 0.18 mg/l 0.13 mg/l 0.08 mg/l >1200 /100 mls	Measurement Taken in Field Measurement Taken in Field Phoenix Environmental Labs		
Sample pH Rain pH Hardness Conductivity Oil & Grease COD Turbidity TSS TP Ammonia TKN NO <sub>3</sub> +NO <sub>2</sub> E. coli  STATEMENT O  I certify that the accordance with	pH Probe pH Probe S 2340 B SM 2510 B EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1 E 353.2 SM 9222 G  F ACKNOWLEDG	5.23 s.u. 6.11 s.u. 8.5 mg/l 20 umhos/cm <1.4 mg/l 43 mg/l 29.4 NTU 48 mg/l 0.18 mg/l 0.13 mg/l 0.08 mg/l >1200 /100 mls  ### MENT  The information	Measurement Taken in Field Measurement Taken in Field Phoenix Environmental Labs		
Sample pH Rain pH Hardness Conductivity Oil & Grease COD Turbidity TSS TP Ammonia TKN NO <sub>3</sub> +NO <sub>2</sub> E. coli  STATEMENT O  I certify that the accordance with	pH Probe pH Probe S 2340 B SM 2510 B EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1 E 353.2 SM 9222 G  F ACKNOWLEDG  data reported on the MS4 General Faccurate and complete	5.23 s.u. 6.11 s.u. 8.5 mg/l 20 umhos/cm <1.4 mg/l 43 mg/l 29.4 NTU 48 mg/l 0.18 mg/l 0.13 mg/l 0.08 mg/l >1200 /100 mls  ### MENT  The information	Measurement Taken in Field Measurement Taken in Field Phoenix Environmental Labs		

**Bureau of Water Management** DEP-PERD-SMR-021

Rev. 10/21/04



#### Stormwater Monitoring Report Form

#### **PERMITTEE INFORMATION**

Town: Town of Windsor
Mailing Address: 275 Broad Street, Windsor, CT 06095
Contact Person: Cyd Groff Title: Environmental Planner Phone: 860-285-1987
Permit Registration #GSM 200401195
SAMPLING INFORMATION
Discharge Location (Lat/Long or other description):
EXTRA B – Rainbow Road at East Granby Road
Please circle the appropriate area description: Industrial, Commercial, or Residential
Receiving Water (name, basin):
Time of Start of Discharge: 8:30am
Date/Time Collected: 4/12/07 10:12-10:31am Water Temperature: 5.4degC
Person Collecting Sample: Mark Morgano, TurnKey Compliance Solutions
Storm Magnitude (inches): 1.12 inches Storm Duration (hours): 8hrs

#### MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	pH Probe	6.07 s.u.	Measurement Taken in Field
Rain pH	pH Probe	6.11 s.u.	Measurement Taken in Field
Hardness	S 2340 B	42.1 mg/l	Phoenix Environmental Labs
Conductivity	SM 2510 B	290 umhos/cm	Phoenix Environmental Labs
Oil & Grease	EPA 1664	<1.6 mg/l	Phoenix Environmental Labs
COD	SM 5220 D	13 mg/l	Phoenix Environmental Labs
Turbidity	E 180.1	17.3 NTU	Phoenix Environmental Labs
TSS	SM 2540 D	29 mg/l	Phoenix Environmental Labs
TP	E 365.2	0.10 mg/l	Phoenix Environmental Labs
Ammonia	S 4500 NH3	0.06 mg/l	Phoenix Environmental Labs
TKN	E 351.1	0.47 mg/l	Phoenix Environmental Labs
NO <sub>3</sub> +NO <sub>2</sub>	E 353.2	0.43 mg/l	Phoenix Environmental Labs
E. coli	SM 9222 G	500 /100 mls	Phoenix Environmental Labs

#### STATEMENT OF ACKNOWLEDGMENT

	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:	Tom Lenghan, Jown Engineer
Signature:	Mort Le Car Date: 5 (30/0)

Bureau of Water Management DEP-PERD-SMR-021

Rev. 10/21/04



#### Stormwater Monitoring Report Form

#### PERMITTEE INFORMATION

	FEMILITEE IN ORMATION				
Town: Town	of Windsor				
	Mailing Address: 275 Broad Street, Windsor, CT 06095				
Contact Person: Cyd Groff Title: Environmental Planner Phone: 860-285-1987					
Permit Registration #GSM 200401195					
Permit Registrati	ON # <u>GOIVI 200</u>	J401185			
SAMPLING INFO	ORMATION				
		er description):			
#1 – 1075 Kenne	· · ·				
			ommercial, or Residential		
-	•	rmington River			
	<del>-</del>	proximately 4am			
Date/Time Collect	cted: <u>11/26/07</u>	5:15am	Water Temperature:	5,1degC	
			ompliance Solutions		
			orm Duration (hours): 3 hrs		
	Storm Event:		,		
Date of Frevious	Stolin Event.	11/20/01			
MONITORING R	ESULTS				
Parameter	Method	Results (units)	Laboratory		
Sample pH	pH Probe	6.71 s.u.	Measurement Taken in Field		
Rain pH	pH Probe	6.13 s.u.	Measurement Taken in Field		
Hardness	S 2340 B	8.56 mg/l	Phoenix Environmental Labs		
Conductivity	SM 2510 B	240 umhos/cm	Phoenix Environmental Labs		
0100		-			
Oil & Grease	EPA 1664	<1.5 mg/l	Phoenix Environmental Labs		
COD	SM 5220 D	16 mg/l	Phoenix Environmental Labs		
COD Turbidity	SM 5220 D E 180.1	16 mg/l 7.35 NTU	Phoenix Environmental Labs Phoenix Environmental Labs		
COD	SM 5220 D E 180.1 SM 2540 D	16 mg/l 7.35 NTU 10 mg/l	Phoenix Environmental Labs Phoenix Environmental Labs Phoenix Environmental Labs		
COD Turbidity TSS TP	SM 5220 D E 180.1 SM 2540 D E 365.2	16 mg/l 7.35 NTU 10 mg/l 0.12 mg/l	Phoenix Environmental Labs Phoenix Environmental Labs Phoenix Environmental Labs Phoenix Environmental Labs		
COD Turbidity TSS TP Ammonia	SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3	16 mg/l 7.35 NTU 10 mg/l 0.12 mg/l 0.2 mg/l	Phoenix Environmental Labs		
COD Turbidity TSS TP	SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1	16 mg/l 7.35 NTU 10 mg/l 0.12 mg/l 0.2 mg/l 0.54 mg/l	Phoenix Environmental Labs		
COD Turbidity TSS TP Ammonia TKN NO <sub>3</sub> +NO <sub>2</sub>	SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1 E 353.2	16 mg/l 7.35 NTU 10 mg/l 0.12 mg/l 0.2 mg/l 0.54 mg/l 0.30 mg/l	Phoenix Environmental Labs		
COD Turbidity TSS TP Ammonia TKN	SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1	16 mg/l 7.35 NTU 10 mg/l 0.12 mg/l 0.2 mg/l 0.54 mg/l	Phoenix Environmental Labs		
COD Turbidity TSS TP Ammonia TKN NO <sub>3</sub> +NO <sub>2</sub> E. coli  STATEMENT OF	SM 5220 D     E 180.1     SM 2540 D     E 365.2     S 4500 NH3     E 351.1     E 353.2     SM 9222 G  F ACKNOWLEDG  data reported on the MS4 General P	16 mg/l 7.35 NTU 10 mg/l 0.12 mg/l 0.2 mg/l 0.54 mg/l 0.30 mg/l <10 /100 mls  MENT  his document were present. The information	Phoenix Environmental Labs	pervision in	
COD Turbidity TSS TP Ammonia TKN NO <sub>3</sub> +NO <sub>2</sub> E. coli  STATEMENT OF	SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1 E 353.2 SM 9222 G  F ACKNOWLEDG  data reported on the MS4 General Poccurate and completed	16 mg/l 7.35 NTU 10 mg/l 0.12 mg/l 0.2 mg/l 0.54 mg/l 0.30 mg/l <10 /100 mls  MENT  his document were present. The information	Phoenix Environmental Labs	pervision in knowledge	

Signature:



#### Stormwater Monitoring Report Form

#### PERMITTEE INFORMATION

Town: Town of Windsor
Mailing Address: 275 Broad Street, Windsor, CT 06095
Contact Person: Cyd Groff Title: Environmental Planner Phone: 860-285-1987
Permit Registration #GSM 200401195
SAMPLING INFORMATION
Discharge Location (Lat/Long or other description):
#2 - 124/128 Harvest Lane
Please circle the appropriate area description: Industrial, Commercial, or Residential
Receiving Water (name, basin): Farmington River
Time of Start of Discharge: Approximately 4am
Date/Time Collected:11/26/07 5:30amWater Temperature: _6.2 degC
Person Collecting Sample: Mark Morgano, TurnKey Compliance Solutions
Storm Magnitude (inches): 2.32 inches Storm Duration (hours): 3hrs
Date of Previous Storm Event:11/20/07

#### **MONITORING RESULTS**

Parameter	Method	Results (units)	Laboratory
Sample pH	pH Probe	7.07 s.u.	Measurement Taken in Field
Rain pH	pH Probe	6.13 s.u.	Measurement Taken in Field
Hardness	S 2340 B	12.5 mg/l	Phoenix Environmental Labs
Conductivity	SM 2510 B	40 umhos/cm	Phoenix Environmental Labs
Oil & Grease	EPA 1664	<1.5 mg/l	Phoenix Environmental Labs
COD	SM 5220 D	47 mg/l	Phoenix Environmental Labs
Turbidity	E 180.1	12.9 NTU	Phoenix Environmental Labs
TSS	SM 2540 D	6 mg/l	Phoenix Environmental Labs
TP	E 365.2	0.30 mg/l	Phoenix Environmental Labs
Ammonia	S 4500 NH3	0.23 mg/l	Phoenix Environmental Labs
TKN	E 351.1	1.2 mg/l	Phoenix Environmental Labs
NO <sub>3</sub> +NO <sub>2</sub>	E 353.2	0.44 mg/l	Phoenix Environmental Labs
E. coli	SM 9222 G	<10 /100 mls	Phoenix Environmental Labs

#### STATEMENT OF ACKNOWLEDGMENT

acco	ordance with the	a reported on this document were prepared under my direction or supervision MS4 General Permit. The information submitted is, to the best of my knowledgrate and complete.
Auth	orized Official:	Tøm Lenehan, Town Engineer
	ature:	Wolfeel Date: 12/3/1/07



#### Stormwater Monitoring Report Form

#### PERMITTEE INFORMATION

Town: Town of Windsor					
Mailing Address: 275 Broad Street, Windsor, CT 06095					
Contact Person: Cyd Groff Title: Environmental Planner Phone: 860-285-1987					
I.	Permit Registration #GSM 200401195				
SAMPLING INFO	ORMATION .				
Discharge Locati	on (Lat/Long or othe	er description):			
<del>-</del>			·		
			ommercial, or Residential		
		Il Brook			
	Discharge: App				
Date/Time Collect	oted: <u>11/26/07</u>	5:42am	Water Temperature: 6.3degC		
Person Collecting	g Sample: <u>Mar</u>	<u>k Morgano, TurnKey C</u>	ompliance Solutions		
Storm Magnitude	e (inches): 2.32	2 inches Sto	orm Duration (hours): 3 hrs		
	Storm Event:				
Date of Fredore	C10(11) L 10) (6.				
MONITORING R	ESULTS				
Parameter	Method	Results (units)	Laboratory		
Sample pH	pH Probe	6.98 s.u.	Measurement Taken in Field		
Rain pH	pH Probe	6.13 s.u.	Measurement Taken in Field		
Hardness	S 2340 B	3.05 mg/l	Phoenix Environmental Labs		
Conductivity	SM 2510 B	40 umhos/cm	Phoenix Environmental Labs		
Oil & Grease	EPA 1664	<1.5 mg/l	Phoenix Environmental Labs		
COD	SM 5220 D	25 mg/l	Phoenix Environmental Labs		
Turbidity	E 180.1	13.0 NTU	Phoenix Environmental Labs		
TSS	SM 2540 D	<5 mg/l	Phoenix Environmental Labs		
TP	E 365.2	0.21 mg/l	Phoenix Environmental Labs		
Ammonia	S 4500 NH3	0.11 mg/l	Phoenix Environmental Labs		
TKN	E 351.1	0.43 mg/l	Phoenix Environmental Labs		
NO <sub>3</sub> +NO <sub>2</sub>	E 353.2	0.064 mg/l	Phoenix Environmental Labs		
E. coli	SM 9222 G	50 /100 mls	Phoenix Environmental Labs		
	- ACKNOWLEDG				
accordance with	data reported on the MS4 General Faccurate and comple	Permit. The information	epared under my direction or supervision in n submitted is, to the best of my knowledge		
Authorized Officia	al: Tem Leneha	an, Town Engineer			
Signature:	( Wort	Lelen_	Date: 12/3/107		



#### Stormwater Monitoring Report Form

#### PERMITTEE INFORMATION

Town: Town of Windsor
Mailing Address: 275 Broad Street, Windsor, CT 06095
Contact Person: Cyd Groff Title: Environmental Planner Phone: 860-285-1987
Permit Registration #GSM 200401195
SAMPLING INFORMATION
Discharge Location (Lat/Long or other description):
#4 - 555 Day Hill Rd.
Please circle the appropriate area description: Industrial, Commercial, or Residential
Receiving Water (name, basin): Mill Brook
Time of Start of Discharge: Approximately 4am
Date/Time Collected: 11/26/07 5:59am Water Temperature: 3.7degC
Person Collecting Sample: Mark Morgano, TurnKey Compliance Solutions
Storm Magnitude (inches): 2.32 inches Storm Duration (hours): 3 hrs
Date of Previous Storm Event: 11/20/07

#### **MONITORING RESULTS**

Parameter	Method	Results (units)	Laboratory
Sample pH	pH Probe	6.94 s.u.	Measurement Taken in Field
Rain pH	pH Probe	6.13 s.u.	Measurement Taken in Field
Hardness	S 2340 B	14.1 mg/l	Phoenix Environmental Labs
Conductivity	SM 2510 B	85 umhos/cm	Phoenix Environmental Labs
Oil & Grease	EPA 1664	<1.4 mg/l	Phoenix Environmental Labs
COD	SM 5220 D	20 mg/l	Phoenix Environmental Labs
Turbidity	E 180.1	8.22 NTU	Phoenix Environmental Labs
TSS	SM 2540 D	16 mg/l	Phoenix Environmental Labs
TP	E 365.2	0.45 mg/l	Phoenix Environmental Labs
Ammonia	S 4500 NH3	0.18 mg/l	Phoenix Environmental Labs
TKN	E 351.1	0.79 mg/l	Phoenix Environmental Labs
NO <sub>3</sub> +NO <sub>2</sub>	E 353.2	0.19 mg/l	Phoenix Environmental Labs
E. coli	SM 9222 G	90 /100 mls	Phoenix Environmental Labs

#### STATEMENT OF ACKNOWLEDGMENT

I certify that the da accordance with the and belief, true, acci	ta 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 urate and complete.
Authorized Official:	Tom\Lenehan, Town Engineer
Signature:	Mont feele Date: 12/51/07



## Stormwater Monitoring Report Form

#### PERMITTEE INFORMATION

Transport of the second of the			
Town: <u>Town</u>	of Windsor		
	275 Broad Street, \	Windsor, CT 06095	
Contact Person	Cvd Groff	Title: Environment	al Planner Phone: 860-285-1987
§1			
Permit Registration	on # <u>GSM 200</u>	401100	
SAMPLING INFO	RMATION		
		r description):	
#5 – 800 Marsha		• • •	
#5 - 600 Warsha	II Fileips	parintion: Industrial Co	mmercial, or Residential
Please circle the	appropriate area de	scription. <u>Intraustrial</u> , co	minicipal, or resident
		Brook	
Time of Start of I	Discharge: <u>App</u> i	roximately 4am	
Date/Time Collec	oted: 11/26/07	6:04am\	Water Temperature:3.8degC
Person Collectin	g Sample: Mar	k Morgano, TurnKey Co	ompliance Solutions
Storm Magnitude	(inches): 2.32	inches Sto	orm Duration (hours): 3 hrs
	Storm Event:		
Date of Previous	Storm Event.	11150101	
MONITORING R	ESULTS		
Parameter	Method	Results (units)	Laboratory
Sample pH	pH Probe	6.69 s.u.	Measurement Taken in Field
Rain pH	pH Probe	6.13 s.u.	Measurement Taken in Field
	******	40 7	T
Hardness	S 2340 B	13.7 mg/l	Phoenix Environmental Labs
Hardness Conductivity	S 2340 B SM 2510 B	81 umhos/cm	Phoenix Environmental Labs
		81 umhos/cm <1.5 mg/l	Phoenix Environmental Labs Phoenix Environmental Labs
Conductivity	SM 2510 B EPA 1664 SM 5220 D	81 umhos/cm <1.5 mg/l 27 mg/l	Phoenix Environmental Labs Phoenix Environmental Labs Phoenix Environmental Labs
Conductivity Oil & Grease	SM 2510 B EPA 1664 SM 5220 D E 180.1	81 umhos/cm <1.5 mg/l 27 mg/l 8.41 NTU	Phoenix Environmental Labs Phoenix Environmental Labs Phoenix Environmental Labs Phoenix Environmental Labs
Conductivity Oil & Grease COD	SM 2510 B EPA 1664 SM 5220 D E 180.1 SM 2540 D	81 umhos/cm <1.5 mg/l 27 mg/l 8.41 NTU 5 mg/l	Phoenix Environmental Labs
Conductivity Oil & Grease COD Turbidity TSS TP	SM 2510 B EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2	81 umhos/cm <1.5 mg/l 27 mg/l 8.41 NTU 5 mg/l 0.19 mg/l	Phoenix Environmental Labs
Conductivity Oil & Grease COD Turbidity TSS	SM 2510 B EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3	81 umhos/cm <1.5 mg/l 27 mg/l 8.41 NTU 5 mg/l 0.19 mg/l 0.21 mg/l	Phoenix Environmental Labs
Conductivity Oil & Grease COD Turbidity TSS TP	SM 2510 B EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1	81 umhos/cm <1.5 mg/l 27 mg/l 8.41 NTU 5 mg/l 0.19 mg/l 0.21 mg/l 0.8 mg/l	Phoenix Environmental Labs
Conductivity Oil & Grease COD Turbidity TSS TP Ammonia	SM 2510 B EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1 E 353.2	81 umhos/cm <1.5 mg/l 27 mg/l 8.41 NTU 5 mg/l 0.19 mg/l 0.21 mg/l 0.8 mg/l 0.18 mg/l	Phoenix Environmental Labs
Conductivity Oil & Grease COD Turbidity TSS TP Ammonia TKN	SM 2510 B EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1	81 umhos/cm <1.5 mg/l 27 mg/l 8.41 NTU 5 mg/l 0.19 mg/l 0.21 mg/l 0.8 mg/l	Phoenix Environmental Labs
Conductivity Oil & Grease COD Turbidity TSS TP Ammonia TKN NO <sub>3</sub> +NO <sub>2</sub> E. coli	SM 2510 B EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1 E 353.2 SM 9222 G  F ACKNOWLEDG	81 umhos/cm <1.5 mg/l 27 mg/l 8.41 NTU 5 mg/l 0.19 mg/l 0.21 mg/l 0.8 mg/l 0.18 mg/l 80 /100 mls	Phoenix Environmental Labs
Conductivity Oil & Grease COD Turbidity TSS TP Ammonia TKN NO <sub>3</sub> +NO <sub>2</sub> E. coli  STATEMENT O  I certify that the accordance with	SM 2510 B	81 umhos/cm <1.5 mg/l 27 mg/l 8.41 NTU 5 mg/l 0.19 mg/l 0.21 mg/l 0.8 mg/l 0.18 mg/l 80 /100 mls  MENT  his document were proper. Permit. The informationate.	Phoenix Environmental Labs
Conductivity Oil & Grease COD Turbidity TSS TP Ammonia TKN NO <sub>3</sub> +NO <sub>2</sub> E. coli  STATEMENT O  I certify that the accordance with	SM 2510 B EPA 1664 SM 5220 D E 180.1 SM 2540 D E 365.2 S 4500 NH3 E 351.1 E 353.2 SM 9222 G  F ACKNOWLEDG  data reported on ti the MS4 General Faccurate and comple	81 umhos/cm <1.5 mg/l 27 mg/l 8.41 NTU 5 mg/l 0.19 mg/l 0.21 mg/l 0.8 mg/l 0.18 mg/l 80 /100 mls  MENT  this document were propermit. The information	Phoenix Environmental Labs

Signature:



#### Stormwater Monitoring Report Form

#### DERMITTEE INFORMATION

PERMITTEE	ONMATION			
Town: <u>Town</u>	of Windsor			
Mailing Address:	275 Broad Street, \	Nindsor, CT 06095		
1			<u>al Planner</u> Phone: <u>860-285-1</u>	987
#	on # <u>GSM 200</u>			
Permit Negistrati	011 # <u>COW</u>	701100		
SAMPLING INFO	<u>ORMATION</u>			
Discharge Locat	ion (Lat/Long or othe	r description):		
	Henry Circle			
1			mmercial, or Residential	
Receiving Water	· (name, basin): <u>Dec</u>	ker's Brook/Connectic	ut River	
Time of Start of	Discharge: Appr	oximately 4am		
Date/Time Collected: 11/26/07 6:09am		Water Temperature:	5.2degC	
			ompliance Solutions	
Storm Magnitude (inches): 2.32 inches Storm Duration (hours): 3 hrs				
	Storm Event:		•	
Date of Frevious	Som Event.	1 1/20101		
MONITORING F	RESULTS			
Parameter	Method	Results (units)	Laboratory	
Sample pH	pH Probe	6.66 s.u.	Measurement Taken in Field	
Rain pH	pH Probe	6.13 s.u.	Measurement Taken in Field	
Hardness	S 2340 B	2.85 mg/l	Phoenix Environmental Labs	
Conductivity	SM 2510 B	240 umhos/cm	Phoenix Environmental Labs	
Oil & Grease	EPA 1664	<1.5 mg/l	Phoenix Environmental Labs	
COD	SM 5220 D	27 mg/l	Phoenix Environmental Labs	
Turbidity	F 180 1	149 NTU	Phoenix Environmental Labs	

#### STATEMENT OF ACKNOWLEDGMENT

E 180.1

SM 2540 D

E 365.2

S 4500 NH3

E 351.1

E 353.2

SM 9222 G

I certify that the dat accordance with the and belief, true, accu	MS4 General Permit. The informati	orepared under my direction or supervision in ion submitted is, to the best of my knowledge
Authorized Official:	Tom Lenehan, Town Engineer	<i>j</i>
Signature:	Vertifalle	Date:

Phoenix Environmental Labs

Bureau of Water Management DEP-PERD-SMR-O21

Turbidity

Ammonia

NO<sub>3</sub>+NO<sub>2</sub>

TSS

TP

TKN

E. coli

Rev. 10/21/04

14.9 NTU

0.42 mg/l

0.1 mg/l

0.39 mg/l

0.062 mg/l

10 /100 mls

68 mg/l



#### Stormwater Monitoring Report Form

#### PERMITTEE INFORMATION

Town: Town of Windsor				
Mailing Address: 275 Broad Street, Windsor, CT 06095				
Contact Person: Cyd Groff Title: Environmental Planner Phone: 860-285-1987				
Permit Registration #GSM 200401195				
SAMPLING INFORMATION				
de la la company de la company				
Discharge Location (Lat/Long or other description):				
EXTRA A - Bart's on Palisado Avenue				
Please circle the appropriate area description: Industrial, Commercial, or Residential				
Receiving Water (name, basin): Farmington River				
Time of Start of Discharge: Approximately 4am				
Date/Time Collected: 11/26/07 6:52am Water Temperature: 5.6degC				
Person Collecting Sample: Mark Morgano, TurnKey Compliance Solutions				
Storm Magnitude (inches): 2.32 inches Storm Duration (hours): 3 hrs				
Date of Previous Storm Event: 11/20/07				

#### MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	pH Probe	6.06 s.u.	Measurement Taken in Field
Rain pH	pH Probe	6.13 s.u.	Measurement Taken in Field
Hardness	S 2340 B	7.21 mg/l	Phoenix Environmental Labs
Conductivity	SM 2510 B	19 umhos/cm	Phoenix Environmental Labs
Oil & Grease	EPA 1664	2.5 mg/l	Phoenix Environmental Labs
COD	SM 5220 D	36 mg/l	Phoenix Environmental Labs
Turbidity	E 180.1	8.44 NTU	Phoenix Environmental Labs
TSS	SM 2540 D	11 mg/l	Phoenix Environmental Labs
TP	E 365.2	0.22 mg/l	Phoenix Environmental Labs
Ammonia	S 4500 NH3	0.06 mg/l	Phoenix Environmental Labs
TKN	E 351.1	0.43 mg/l	Phoenix Environmental Labs
NO <sub>3</sub> +NO <sub>2</sub>	E 353.2	0.051 mg/l	Phoenix Environmental Labs
E. coli	SM 9222 G	<10 /100 mls	Phoenix Environmental Labs

STATEMENT OF A	CKNOWLEDGMENT
I certify that the da accordance with the and belief, true, acc	ta 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 urate and complete.
Authorized Official:	Tom Lenehan, Town Engineer
Signature:	() Date: 12/3/102

Bureau of Water Management DEP-PERD-SMR-021



#### Stormwater Monitoring Report Form

#### PERMITTEE INFORMATION

own: Town of Windsor					
Mailing Address: 275 Broad Street, Windsor, CT 06095	<del></del>				
Contact Person: Cyd Groff Title: Environmental Planner Phone: 860-285-1987					
Permit Registration #GSM 200401195					
AMPLING INFORMATION					
Discharge Location (Lat/Long or other description):					
EXTRA B – Rainbow Road at East Granby Road					
Please circle the appropriate area description: Industrial, Commercial, or Residential					
Receiving Water (name, basin):					
Time of Start of Discharge: Approximately 4am	<u>-</u>				
Date/Time Collected: 11/26/07 6:33am Water Temperature: 5.2dec	<u> </u>				
Person Collecting Sample: Mark Morgano, TurnKey Compliance Solutions					
Storm Magnitude (inches): 2.32 inches Storm Duration (hours): 3 hrs					
Date of Previous Storm Event: 11/20/07					
ONITORING RESULTS					

Parameter	Method	Results (units)	Laboratory
Sample pH	pH Probe	6.08 s.u.	Measurement Taken in Field
Rain pH	pH Probe	6.13 s.u.	Measurement Taken in Field
Hardness	S 2340 B	69.2 mg/l	Phoenix Environmental Labs
Conductivity	SM 2510 B	490 umhos/cm	Phoenix Environmental Labs
Oil & Grease	EPA 1664	<1.5 mg/l	Phoenix Environmental Labs
COD	SM 5220 D	16 mg/l	Phoenix Environmental Labs
Turbidity	E 180.1	3.32 NTU	Phoenix Environmental Labs
TSS	SM 2540 D	8.5 mg/l	Phoenix Environmental Labs
TP	E 365.2	0.34 mg/l	Phoenix Environmental Labs
Ammonia	S 4500 NH3	0.09 mg/l	Phoenix Environmental Labs
TKN	E 351.1	0.47 mg/l	Phoenix Environmental Labs
NO <sub>3</sub> +NO <sub>2</sub>	E 353.2	0.54 mg/l	Phoenix Environmental Labs
E. coli	SM 9222 G	10 /100 mls	Phoenix Environmental Labs

#### STATEMENT OF ACKNOWLEDGMENT

I certify that the data reported on this document were prepared under my direction or supervision accordance with the MS4 General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.	n e
Authorized Official: Tom Lenehan, Town Engineer  Signature: Date: 12/3//02	****
Signature:	=