GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER
ASSOCIATED
WITH
INDUSTRUAL ACTIVITY

STORMWATER POLLUTION PLAN
FOR
CITY YARD
485 Washington Street
June 2007
(Revised May 2011)

CITY of MIDDLETOWN
CONNECTICUT

TABLE OF CONTENTS

A. Site Description

City Yard is located at 485 Washington Street. It is bounded on the north by Washington Street, on the west by railroad tracks, on the east by Thomas Street, and on the south by Butternut Hollow Pond. There are primarily two levels to the site. The lower level (north end) is where the majority of the buildings are located. This area was previously a landfill and treatment plant. The upper level (south side) is primarily used for storage of construction materials. The paint shop is also located on the upper level.

B. General Location Map

A section of the U.S. geological Survey quadrangle map showing the site is located in Appendix A

C. Pollution Prevention Team

The SWPPP coordinator for the facility is the Director of Public Works. The coordinator's duties include the following:

- Create a SWPPP team to aid in the implementation of the SWPPP plan;
- Implement the SWPPP plan;
- Conduct or provide for inspection or monitoring activities;
- Identify other potential pollutant sources and make sure they are added to the plan;
- Identify any deficiencies in the SWPPP and make sure they are corrected;
- Ensure that any changes in facility operation are addressed in the SWPPP.

To aid in the implementation of the SWPPP plan, the Superintendent of Streets and Sanitation and the Fleet Service Manager, along with the City Engineer, will be the Pollution Prevention Team, (PPT). The PPT will ensure that all housekeeping procedures, maintenance practices, and training are implemented.

D. Potential Pollutant Sources

i. Site Map

The plan in Appendix A shows the separate drainage areas and direction of flow to each outfall. The entire site drains to a box culvert which runs through the entire site. The outlet to this system is across the railroad tracks on the south side of Washington Street. Water quality tests are taken at four (4) different catch basins, three (3) on the lower portion, (parking area, fueling station, salt shed), and one (1) on the upper portion, (material storage area).

ii. Inventory of Exposed Materials

The only exposed materials at this site are the road construction materials such as gravel, processed stone, concrete blocks, concrete drainage products and HDPE pipe.

iii. Summary of Potential Pollution Sources (See Map in Appendix A)

Trade Name	**Storm Water Pollutants**
A3: Material Storage and Fuel Dispensing	
Gasoline	Benzene, ethyl benzene, toluene, xylene, MTBE
Motor oil	Mineral oil, petroleum distillates
Diesel Fuel	Petroleum distillate, oil & grease, naphthalene, xylenes
Road Building Materials	Suspended solids from Gravel, Stone
A1,2: Material Storage	
Road Building Materials	Suspended solids from Gravel, Stone
A19,20: Vehicle Parking	
Gasoline	Benzene, ethyl benzene, toluene, xylene, MTBE
Motor oil	Mineral oil, petroleum distillates
A4, 8-18: Paved Areas	
Motor oil	Mineral oil, petroleum distillates
Diesel Fuel	Petroleum distillate, oil & grease, naphthalene, xylenes
A5,6,7: Salt Storage	
Salt	Sodium Chloride

iv. Spills and Leaks: A list of all spills and leaks over 5 gallons is located in Appendix B.

E. Control Measures

1. Good Housekeeping

Good housekeeping is the way of life at City Yard. Floors are swept when needed, waste oil tank is emptied when necessary, and the oil/water separators are cleaned on a regular basis. Any spills or leaks of any toxic substances or potential pollutants are cleaned up and disposed of immediately

2. Vehicle or Equipment Washing

All vehicles are washed in the wash bay attached to the new storage building. The wash bay is enclosed and has a floor drain which is connected to an oil/water separator. This system outlets to the sanitary sewer system.

3. Floor Drains

All floor drains drain to oil/water separators which outlet to the sanitary sewer system.

4. Roof Areas

The only possible source of contaminates on the roof is the air conditioning unit. This unit is regularly inspected at the beginning and end of the summer months.

5. Minimize Exposure

Most materials stored at City Yard have been put under cover, either by storing them in trailers, or in the case of road salt, a storage building has been built for that sole purpose. Concrete and HDPE drainage materials are stored outside, but there is no possibility of groundwater contamination from these materials. Road materials, such as gravel, stone, screenings, and cold patch are also stored outside. These materials do contribute to suspended solids in the runoff. There is a long range plan to cover these materials using concrete block walls and "Clear Span" type fabric arch structures. A short term plan is also in motion to catch the solids before they reach the drainage system. We are working with the DEP to implement this plan as part of the Mandatory Supplemental Environmental Project at Butternut Hollow Pond. The plan is included in Appendix A

6. Sediment & Erosion Control

The upper area of the yard, where construction materials are stored, is susceptible to erosion. Over the years, this area has been regraded and treated with processed aggregate to minimize the erosion. We have created a plan to trap sediment from off site and from the materials storage area. We are working with the DEP to implement this plan as part of the Mandatory Supplemental Environmental Project at Butternut Hollow Pond. The plan is included in Appendix A

7. Management of Runoff

Management of runoff is an ongoing practice at City Yard. The catch basin sumps are cleaned on a regular basis, the paved areas are swept regularly, the oil/water separators and waste oil tank are cleaned when needed. Any possible indoor sources of pollutants remain indoors and are cleaned up immediately.

As a result of the above, there have not been any spills or leaks at this site in many, many years. All underground fuel tanks are current with their permits.

The last "spill or leak" occurred when we had our last flood. Due to the topography of the area, the Yard was flooded on a regular basis; sometimes as much as 6 to 8 feet of water covered the garage area. We since have constructed a large box culvert (1998) along the entire length of the Yard. We have not had a flood since that time.

8. Preventive Maintenance

All flammable materials are stored in fireproof cabinets located between the Maintenance Garage and the Sanitation Garage. The Superintendent and his assistant regularly inspect all areas of the Yard and immediately rectify any problems. Appendix B contains inspection report forms that will be filled out on a weekly basis. The Superintendent or his designee will inspect the site on a weekly basis and complete the forms. Any outstanding items in the report will be addressed in a timely manner.

9. Spill Prevention and Response Procedures

Small spills or leaks are treated with sand, then cleaned up and put in a container. Authorized disposal contractors are then called in to remove the contaminated material. The Fire Department will be notified in large spills and can respond in minutes with their spill containment equipment.

10. Employee Training

Employees will be shown a video presentation on Good Housekeeping and Stormwater Quality. Additional training will be provided by supervisors with specific focus on their own specialties.

11. Non-Stormwater Discharges

All non-stormwater discharges have been eliminated from the storm drainage system

12. Solid De-icing Material Storage

There is a salt/sand storage building which holds all of the salt/sand mixture used. There are plans to build another structure to hold salt only.

F. Non-Stormwater Discharge Certification

"I certify that in my professional judgment, the discharge from the site consists only of stormwater, or of stormwater combined only with groundwater seepage and/or wastewater covered by an effective permit issued under Section 22a-430 or Section 22a-430b of the Connecticut General Statutes, including the provisions of this general permit, or of stormwater combined with any of the following discharges provided that they do not contribute to a violation of water quality standards:

- landscape irrigation or lawn watering;
- uncontaminated groundwater discharges such as pumped groundwater, foundation drains, water from crawl space pumps and footing drains;
- discharges of uncontaminated air conditioner or refrigeration condensate;
- water sprayed for dust control or at a truck load wet-down station;
- naturally occurring discharges such as rising groundwaters, uncontaminated groundwater infiltration (as defined at 40 CFR 35.2005(20)), springs and flows from riparian habitats and wetlands.

This certification is based on testing and evaluation of the stormwater discharge from the site. I further certify that all potential sources of non-stormwater at the site, a description of the results of any test and/or evaluation for the presence of non-stormwater discharges, the evaluation criteria or testing method used, the date of any testing and/or evaluation, and the on-site drainage points that were directly observed during the test have been described in detail in the stormwater pollution prevention plan prepared for the site. I further certify that no interior building floor drains exist which are connected to any storm drainage system or which may otherwise direct interior floor drainage to exterior surfaces, unless such floor drain connection has been approved and permitted by the Commissioner or otherwise authorized by a local authority for discharge as domestic sewage to sanitary sewer. I am aware that there may be significant penalties for false statements in this certification, including the possibility of fine and imprisonment for knowingly making false statements."

_____

Thomas Nigosanti, P.E., City Engineer, City of Middletown, CT

G. MS4 Compliance

The drainage outfall from this site drains to a swale behind Palmer Field, which then drains to the Coginchaug River. MS4 water quality testing has been done in the past and will continue in the future in this area of the river.

H. Consistency with Other Plans and Permits

This site also has a Vehicle Maintenance Wastewater permit, and is considered part of the City's MS4 permit.

I. Future Construction

Any future modifications to the site will comply with the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities (as amended). All construction activities shall comply with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control during construction and the 2004 Connecticut Stormwater Quality Manual for the design and implementation of post-construction stormwater management measures. In addition, the use of copper or galvanized construction materials will be avoided whenever possible.

J. Monitoring Program

Stormwater quality monitoring will be conducted as required by the permit. All parameters will be tested each time. There will be four (4) test sites, one on the upper yard where construction materials are stored, one in the parking area, one at the fuel dispensing area, and one at the salt shed. Appendix A contains a sketch of the sampling sites and Appendix D has the water quality test results.

K. Schedules and Procedures

Stormwater sampling and reporting (SMR) will be performed by a licensed testing lab. Bi-annual bids will be solicited for this work. The results will be sent to Public Works Engineering for filing. The Engineering department will also send the results to the DEP.

Semi-annual monitoring shall be conducted for the parameters listed below:

Chemical Oxygen Demand (mg/l)
Total Oil and Grease (mg/l)
pH (S.U.) of the discharge and of uncontaminated rainfall
Total Suspended Solids (mg/l)
Total Phosphorus (mg/l)
Total Kjeldahl Nitrogen (mg/l)
Nitrate as Nitrogen (mg/l)
Total Copper (mg/l)
Total Lead (mg/l)
Total Zinc (mg/l)
Aquatic Toxicity

Test results will be compared with the following benchmarks:

PARAMETER	UNITS	LEVEL
Total Oil and Grease	mg/L	5
Chemical Oxygen Demand	mg/L	75
Sample pH	S.U.	5-9
Total Suspended Solids	mg/L	90
Total Phosphorous	mg/L	0.40
Total Kjeldahl Nitrogen	mg/L	2.30
Nitrate as Nitrogen	mg/L	1.10
Total Copper	mg/L	0.059
Total Lead	mg/L	0.076
Total Zinc	mg/L	0.160

When test results exceed the benchmark values, the situation will be evaluated, and changes made as necessary.

Engineering Certification

"I certify that I have thoroughly and completely reviewed the stormwater pollution prevention plan prepared for this site. I further certify, based on such review and site visit by myself or my agent, and on my professional judgment, that the Stormwater Pollution Prevention Plan meets the criteria set forth in the General Permit for the Discharge of Stormwater Associated With Industrial Activity effective on October 1, 2011. I am aware that there are significant penalties for false statements in this certification, including the possibility of fine and imprisonment for knowingly making false statements."

_____

Thomas Nigosanti, P.E., City Engineer, City of Middletown, CT

Signature of Registrant

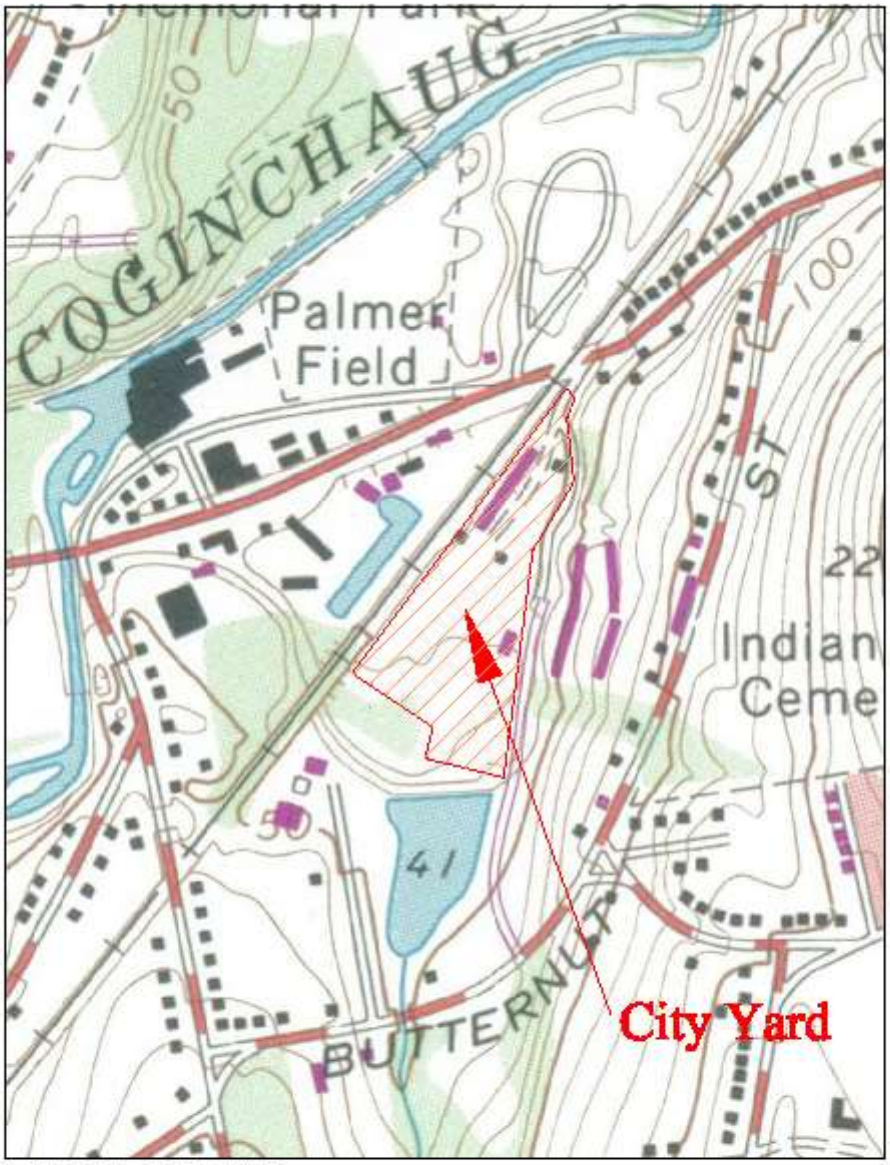
"I certify under penalty of law that I have read and understand all conditions of the General Permit for the Discharge of Stormwater Associated with Industrial Activity effective on October 1, 2011, and that all conditions for eligibility for coverage under this general permit are met. This document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information contained in this registration is, to the best of my knowledge and belief; true, accurate and complete. I am aware that there are penalties for submitting false information, including the possibility of fine and imprisonment for knowingly making false statements."

_____

William Russo, Director of Public Works

Appendix A: Maps

City Yard Quad Location Plan



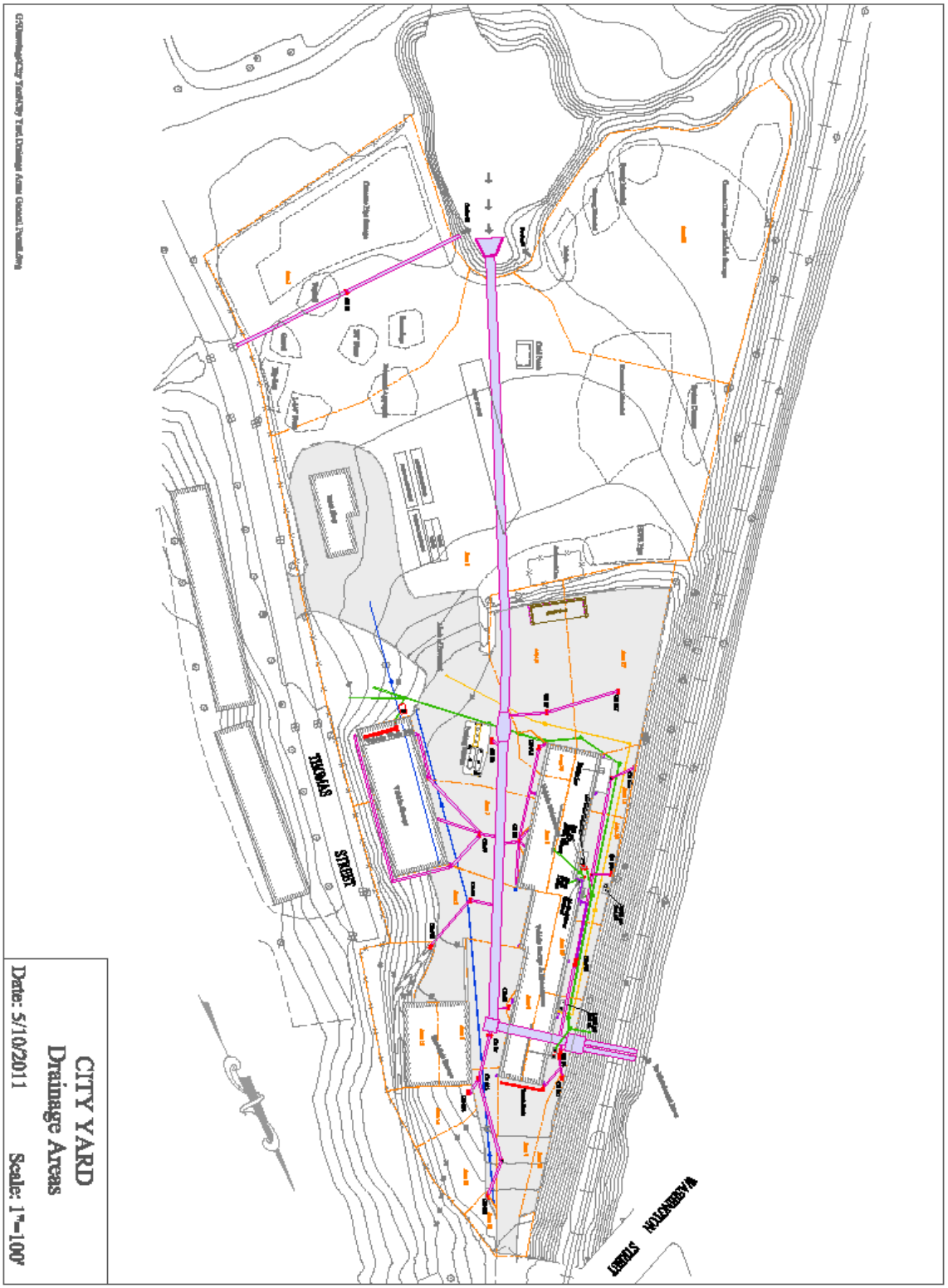
MIDDLETOWN, CONN.
7.5 MINUTE SERIES
REVISED 1992

Lat: 41°- 33' - 15"
Long: 72°- 40' - 10"

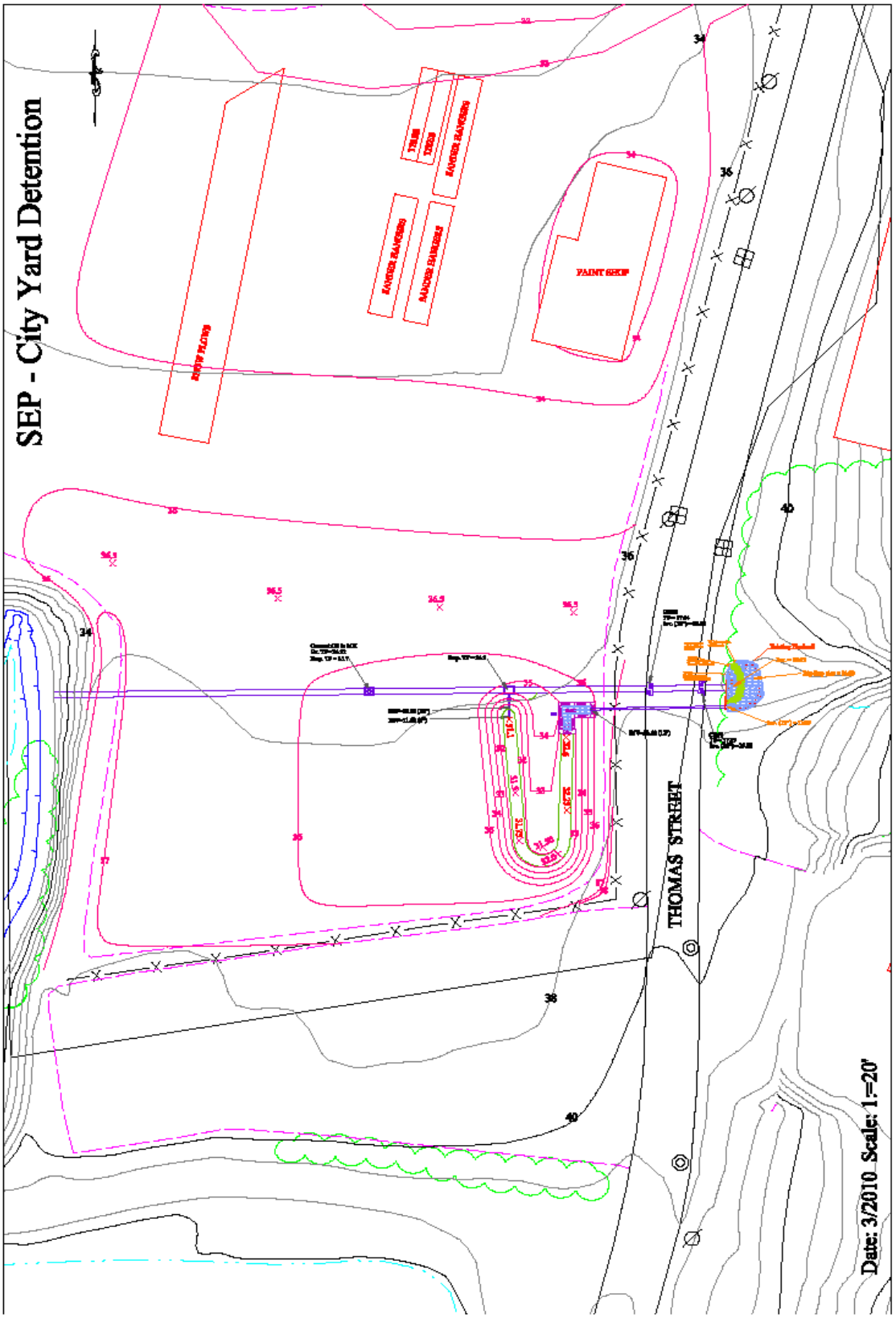
City of Middletown
City Yard

Scale: 1" = 500' | Date: 12/30/2010

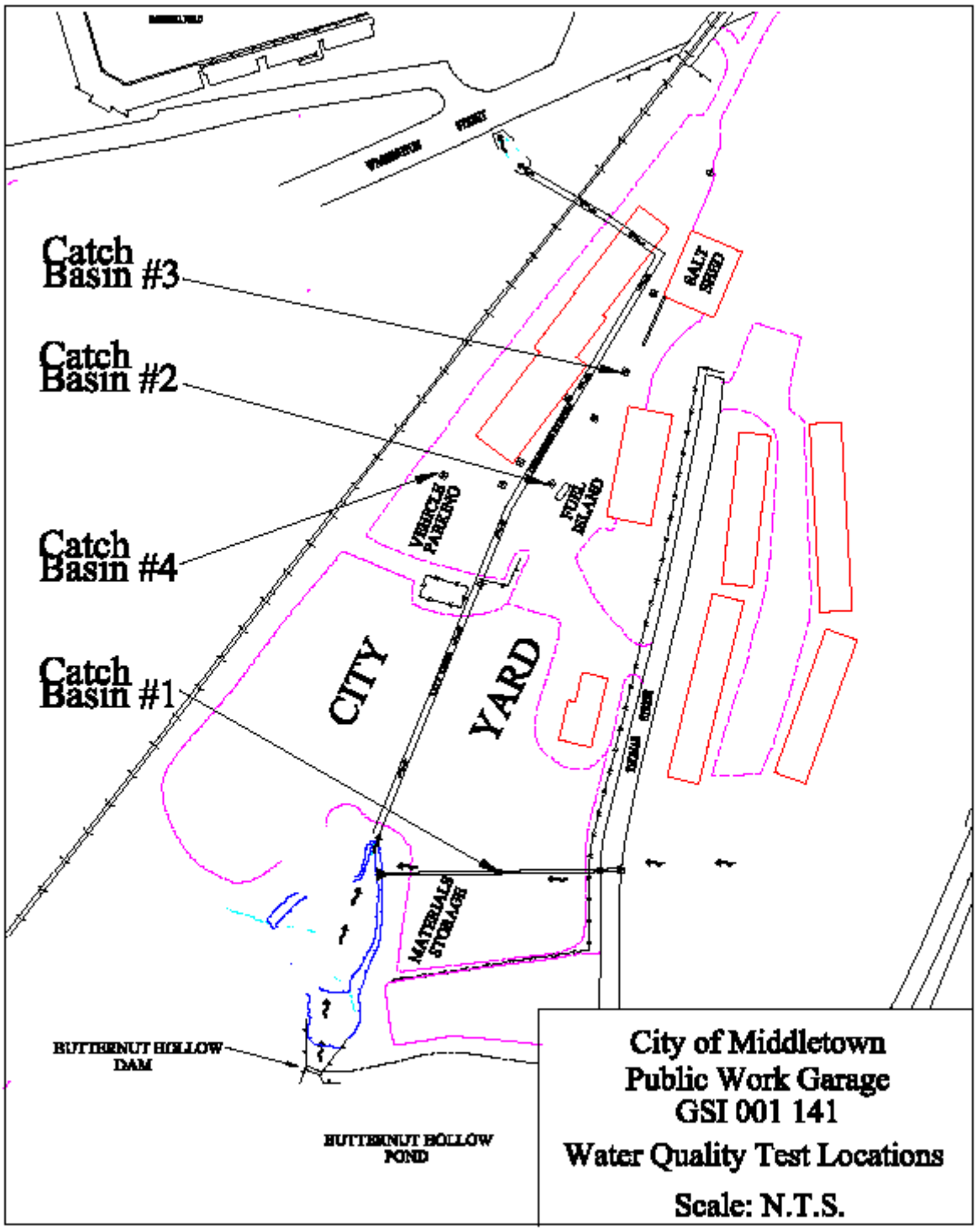
City Yard Drainage Areas



SEP Upper City Yard



City Yard Test Sites



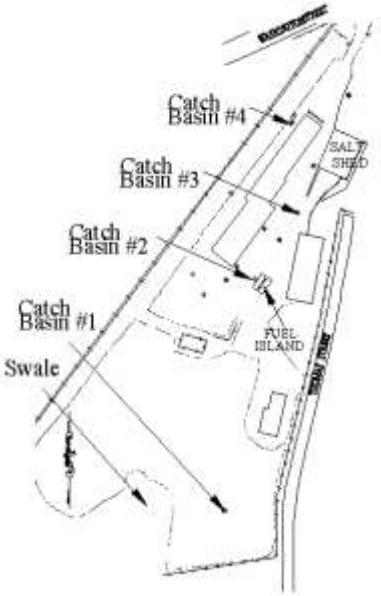
Appendix B: Inspection Forms

GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER ASSOCIATED WITH INDUSTRIAL ACTIVITY

SITE INSPECTION REPORT - CITY YARD - 485 Washington Street

DATE: _____ TIME: _____

STORMWATER DISCHARGE



CB#1	Is grate clear and free of debris?	Y ☐	N ☐
	Does sump need to be pumped out?	Y ☐	N ☐
	Does water flow look clear?	Y ☐	N ☐
CB#2	Is grate clear and free of debris?	Y ☐	N ☐
	Does sump need to be pumped out?	Y ☐	N ☐
	Does water flow look clear?	Y ☐	N ☐
CB#3	Is grate clear and free of debris?	Y ☐	N ☐
	Does sump need to be pumped out?	Y ☐	N ☐
	Does water flow look clear?	Y ☐	N ☐
CB#4	Is grate clear and free of debris?	Y ☐	N ☐
	Does sump need to be pumped out?	Y ☐	N ☐
	Does water flow look clear?	Y ☐	N ☐
SWALE	Is swale free of debris?	Y ☐	N ☐
	Does silt need to be removed from swale?	Y ☐	N ☐
	Is there any erosion present?	Y ☐	N ☐

Comments:

MATERIALS HANDLING AREA

Gravel	Is material protected from weather?	Y ☐	N ☐
	Is any material visible in runoff?	Y ☐	N ☐

Comments:

Processed Stone	Is material protected from weather?	Y ☐	N ☐
	Is any material visible in runoff?	Y ☐	N ☐

Comments:

Topsoil	Is material protected from weather?	Y ☐	N ☐
	Is any material visible in runoff?	Y ☐	N ☐

Comments:

Pipe Area	Is any erosion detrected?	Y ☐	N ☐
	Is debris picked up in a timely manner?	Y ☐	N ☐

Comments:

Plows/Sanders	Is debris picked up in a timely manner?	Y ☐	N ☐
	Are there any spills detected?	Y ☐	N ☐

Comments:

Other Areas	Is debris picked up in a timely manner?	Y ☐	N ☐
	Are there any spills detected?	Y ☐	N ☐

Comments:

BUILDINGS

Tradesman	Is debris picked up in a timely manner?	Y ☐	N ☐
	Are there any spills detected?	Y ☐	N ☐

Comments:

New Garage	Is debris picked up in a timely manner?	Y ☐	N ☐
	Are there any spills detected?	Y ☐	N ☐

Comments:

Salt Shed	Is salt contained indoors?	Y ☐	N ☐
	Are there any spills detected?	Y ☐	N ☐

Comments:

Main Building	Is debris picked up in a timely manner?	Y ☐	N ☐
	Are there any spills detected?	Y ☐	N ☐

Comments:

Other Comments:

CERTIFICATION

I hereby certify that I have read and understand the above report and to the best of my knowledge the information contained in the report is true and accurate.

Inspector Name _____ Date _____

Appendix C: Spill and Leak Record

The following is a list of the spills or leaks of greater than 5 gallons. The listing includes the date, material, and description of event.

Date	*Material*	*Description*

Appendix D: Monitoring Results

2009

General Permit for the Discharge of Stormwater Associated with Industrial Activity

Stormwater Monitoring Report Form

FACILITY INFORMATION

Name (owner, operator): **Thomas Nigosanti**

Mailing Address: **PO Box 1300, 245 DeKoven Drive, Middletown, CT 06457**

Business Phone: **860-344-3407** ext.: Fax:

Contact Person: **Thomas Nigosanti** Title: **Engineer**

Site Address: **Washington Street (City Yard), Middletown, CT 06457**

Receiving Water (name, basin): **Coginchaug River**

Stormwater G.P. Registration # **GSI001141** SIC Code: **9199**

Check this box if number of employees is 25 or less, or if operated by a municipality: ☒

SAMPLING INFORMATION

Sample Location: **Catch Basin 1**

Date/Time Collected: **6/9/2009/ 9:25am**

Person Collecting Sample: **Justin Milardo**

Storm Magnitude (inches): **0.59** Storm Duration (hours): **5**

Date of Previous Storm Event: **6/5/2009** Rainfall pH: **6.5**

MONITORING RESULTS

CTL Sample No. 8519

Parameter	Method	Results (units)	Laboratory
Oil & Grease	EPA 1664A	<2.0 mg/L	CTL, Inc. PH-0547
pH	SM4500H+B	7.3	CTL, Inc. PH-0547
COD	EPA 410.1	171 mg/L	CTL, Inc. PH-0547
TSS	SM2540D	17,784 mg/L	CTL, Inc. PH-0547
TP	EPA 365.3	6.62 mg/L	CTL, Inc. PH-0547
TKN	EPA 351.1	3.20 mg/L	CTL, Inc. PH-0547
NO_3-N	SM4500NO3F	2.1 mg/L	CTL, Inc. PH-0547
Total Copper	EPA 200.7	1.14 mg/L	CTL, Inc. PH-0547
Total Zinc	EPA 200.7	2.22 mg/L	CTL, Inc. PH-0547
Total Lead	EPA 200.7	1.18 mg/L	CTL, Inc. PH-0547
24 Hr. LC_{50}	EPA-821-R-02-012	>100%	ECL, Inc. PH-0535
48 Hr. LC_{50}	EPA-821-R-02-012	>100%	ECL, Inc. PH-0535

STATEMENT OF ACKNOWLEDGMENT

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

Authorized Official: Thomas Nigosanti, City Engineer

Signature: _____ Date: 8/31/09

Monitoring Results City Yard

2009

General Permit for the Discharge of Stormwater Associated with Industrial Activity

Stormwater Monitoring Report Form

FACILITY INFORMATION

Name (owner, operator): **Thomas Nigosanti**

Mailing Address: **PO Box 1300, 245 DeKoven Drive, Middletown, CT 06457**

Business Phone: **860-344-3407** ext.: Fax:

Contact Person: **Thomas Nigosanti** Title: **Engineer**

Site Address: **Washington Street (City Yard), Middletown, CT 06457**

Receiving Water (name, basin): **Coginchaug River**

Stormwater G.P. Registration # **GSI001141** SIC Code: **9199**

Check this box if number of employees is 25 or less, or if operated by a municipality: ☒

SAMPLING INFORMATION

Sample Location:	**Catch Basin 3**		
Date/Time Collected:	**6/9/2009/ 9:30am**		
Person Collecting Sample:	**Justin Milardo**		
Storm Magnitude (inches):	**0.59**	Storm Duration (hours):	**5**
Date of Previous Storm Event:	**6/5/2009**	Rainfall pH:	**6.5**

MONITORING RESULTS

CTL Sample No. 8521

Parameter	Method	Results (units)	Laboratory
Oil & Grease	EPA 1664A	5.3 mg/L	CTL, Inc. PH-0547
pH	SM4500H+B	6.8	CTL, Inc. PH-0547
COD	EPA 410.1	28 mg/L	CTL, Inc. PH-0547
TSS	SM2540D	240 mg/L	CTL, Inc. PH-0547
TP	EPA 365.3	0.18 mg/L	CTL, Inc. PH-0547
TKN	EPA 351.1	0.21 mg/L	CTL, Inc. PH-0547
NO_3-N	SM4500NO3F	<0.1 mg/L	CTL, Inc. PH-0547
Total Copper	EPA 200.7	0.020 mg/L	CTL, Inc. PH-0547
Total Zinc	EPA 200.7	0.071 mg/L	CTL, Inc. PH-0547
Total Lead	EPA 200.7	<0.030 mg/L	CTL, Inc. PH-0547
24 Hr. LC_{50}	EPA-821-R-02-012	>100%	ECL, Inc. PH-0535
48 Hr. LC_{50}	EPA-821-R-02-012	>100%	ECL, Inc. PH-0535

STATEMENT OF ACKNOWLEDGMENT

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

Authorized Official: THOMAS NIGOSANTI, CITY ENGINEER

Signature: _____ Date: 8/31/09

General Permit for the Discharge of Stormwater Associated with Industrial Activity

2008 City Yard

Stormwater Monitoring Report Form

FACILITY INFORMATION

Name (owner, operator) City of Middletown City Yard

Mailing Address 245 deKoven Drive, P.O. Box 1300, Middletown, Ct 06457

Business Phone (860) 344-3549 ext.: ____ Fax: (860) 344-3590

Contact Person Mr. Tom Nigosanti, P.E. Title: Chief Engineer

Site Address 485 Washington Street

Receiving Water (name, basin) Coginchaug River

Stormwater G.P. Registration # GSI 001141 SIC Code 7538

Check this box if number of employees is 25 or less, or if operated by a municipality: ☑

SAMPLING INFORMATION

Sample Location: Outlet at City Yard

Date/Time Collected: 4/28/08 3:17 p.m.

Person Collecting Sample: Duc Nguyen

Storm Magnitude (inches): 1.95 Storm Duration (hours) approx. 18

Date of Previous Storm Event: 4/12/08 Rainfall pH 7.94

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Oil & Grease	EPA 1664A	1.5 mg/l	Phoenix Environmental Labs
pH	4500-H B/9045	7.87 S.U.	Phoenix Environmental Labs
COD	SM5220 D	<10 mg/l	Phoenix Environmental Labs
TSS	SM2540 D	30 mg/l	Phoenix Environmental Labs
TP	SM4500P E	0.48 mg/l	Phoenix Environmental Labs
TKN	E351.1	0.84 mg/l	Phoenix Environmental Labs
NO3-N	E353.2	0.22 mg/l	Phoenix Environmental Labs
Total Copper	6010/200.7	0.003 mg/l	Phoenix Environmental Labs
Total Zinc	6010/200.7	0.013 mg/l	Phoenix Environmental Labs
Total Lead	6010/200.7	0.003 mg/l	Phoenix Environmental Labs
24 Hr. LC50	EPA-821-R-02-012	> 100%	Environmental Risk Limited
48 Hr. LC50	EPA-821-R-02-012	> 100%	Environmental Risk Limited

STATEMENT OF ACKNOWLEDGMENT

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

Authorized Official: THOMAS NIGOSANTI, CITY ENGINEER

Signature: _____ Date: 6/11/08

2001 City Garage

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
October 08, 2001

FOR: Attn: Mr. Thomas Nigosanti
Middletown Public Works Dept.
P.O. Box 1300
Middletown CT 06457

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		09/21/01	2:10
Location Code:	MIDDLEPW	Received by:	SW	09/21/01	8:47
Project Code:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

Client ID: STORMWATER CITY GARAGE OUTFAL **Phoenix I.D.:** AD61073

Parameter	Result	RL	Units	Date	Time	By	Reference
Lead (Furnace)	0.033	0.001	mg/L	09/24/01		R/T	7421/S3113B
Fecal Coliforms	>6000	100	/100 mls.	09/21/01	11:00	R/C	9222D
Field Services	Completed			09/24/01		LC	
Nitrate as Nitrogen	0.51	0.10	mg/L	09/21/01	14:36	C/E	300.0/9056
Copper	0.0306	0.001	mg/L	09/26/01		EK	6010/E200.7
Zinc	0.117	0.005	mg/L	09/26/01		EK	6010/E200.7
Aquatic Toxcity	Completed			10/05/01		OL	
Nitrogen Tot Kjeldahl	1.0	1.0	mg/L	10/04/01		OL	E351.1
Total Metals Digest	Completed			09/21/01		TR	SW846 - 3005
pH	7.34	0.10	pH Units	09/21/01	16:01	CD	E150.1
Oil and Grease by EPA 1664	BDL	1.4	mg/L	09/24/01		GAD	EPA 1664
Phosphorus, TPO4 as P	0.37	0.05	mg/L	09/24/01		JL	E365.2
C.O.D.	88	10	mg/L	09/24/01		CL	SM5220 D
Total Suspended Solids	140	6.3	mg/L	09/24/01		CF	SM2540D

General Permit for the Discharge of Stormwater Associated with Industrial Activities

Stormwater Monitoring Report Form

RECEIVED
MAY 23 2000
WATER MGMT. BUREAU
PLANNING & STANDARDS

Facility Information

Name (owner, operator): City of Middletown

Mailing Address: Po Box 1300 245 DEKOVEN DRIVE 06457

Business Phone: (860) 344-~~3465~~ 3549 ext. _____ Fax: (860) 344-3590

Contact Person: Tom Digasanti Title: CHIEF ENGINEER

Site Address: Washington Street, Middletown, CT 06457

Receiving Water (name, basin): City Yard Outfall - To Coginchaug River

Stormwater G.P. Registration # GSI 199600073 ~~MF~~ SIC Code: 9199

Check this box if number of employees is 25 or less, or if operated by a municipality: ☒

Sampling Information

Sample Location: City Yard Outfall, Washington Street

Date/Time Collected: 4-9-00, 4:37 A.M.

Person Collecting Sample: John Ozialo, ESC

Storm Magnitude (inches): 0.35" Storm Duration (hours): 6

Date of Previous Storm Event: 4-4-00 Rainfall pH: 5.3

Monitoring Results

Parameter	Method	Results (units)	Laboratory
Oil & Grease	413.2	1 mg/L	Environmental Science Corporation
pH	150.1	7.1	
COD	HACH 8000	15 mg/L	
TSS	SM2540D	130 mg/L	
TP	D515-88A	0.28 mg/L	
TKN	351.2	0.70 mg/L	
NO3-N	353.2	0.52 mg/L	
Fecal Coliform	SM9222D	<50/100mL	
Total Copper	200.7	0.02 mg/L	
Total Zinc	200.7	0.07 mg/L	
Total Lead	200.7	0.03 mg/L	
24 Hr. LC50	raw data	>100%	ENVIRONMENTAL RISK LIMITED
48 Hr. LC50	raw data	>100%	ENVIRONMENTAL RISK LIMITED

Attach separate page(s) to report additional parameters monitored pursuant to Part VI.C.1.a of the General Permit.

Statement of Acknowledgment

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

Authorized Facility Official: SALVATORE C. FAZZINO DIRECTOR OF PUBLIC WORKS

Signature: Salvatore C. Fazzino Date: 5/8/00