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STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR TOWN OF NEW MILFORD DEPARTMENT OF PUBLIC WORKS 6 Young's Field Road New Milford, CT 06776

Prepared by:

CCA, LLC
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Prepared On Behalf of:

Town of New Milford
10 Main Street
New Milford, CT 06776

December 1999

CCA Project No. 98.8171.01

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1.0 INTRODUCTION

This Stormwater Pollution Prevention Plan (SWPPP) has been prepared to comply with regulatory requirements outlined in Connecticut General Statutes Section 22a-430b, as amended by Public Act 91-263. Stormwater pollution regulations pertain to the registration of stormwater discharges associated with industrial activity under Connecticut's general permit (GP) which was effective from October 1, 1992 through October 1, 1997 and reissued on October 1, 1997.

This SWPPP has been prepared to address site specific stormwater pollution prevention management controls, and to establish procedures for their implementation and revision at the Town of New Milford Department of Public Works (NMDPW) Facility, New Milford, Connecticut facility.

Table 1 provides a summary of general information on the Department of Public Works facility. The facility is located at 6 Young's Field Road, New Milford, Connecticut as shown in Figure 1, Appendix A.

Drawing No. 1 (Appendix A) presents the Site Plan of the facility. Drawings 2A & 2B are detailed stormwater site assessment maps including stormwater outfall locations and general direction of stormwater flow across the site.

1.1 Stormwater General Permit Registration

On March 20, 1992, the Connecticut Department of Environmental Protection (CTDEP) was given authorization by the USEPA to issue general permits. The CTDEP revised the EPA industrial stormwater discharge permit process, and issued a new general permit registration form on September 29, 1992. Several modifications were made to the general permit program which became effective on October 1, 1995. On October 1, 1997, the General Permit was reissued with some modifications. Appendix C contains a copy of the current (1997) CTDEP stormwater discharge regulations.

The facility has a primary Standard Industrial Classification (SIC) Code of 8919 as such automatically falls within an "Industrial Activity" classification under present regulations. This SIC classification requires facilities to comply with the general permit regulations. In response to this determination, Department of Public Works registered the stormwater discharge with the CTDEP in January 1999 (Appendix B).

SIGNATORY PAGE

RESPONSIBLE CORPORATE OFFICER:

"I certify under the penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Lawrence M. Clough

Lawrence M.Clough, PE

12/14/09

Date

Director of Public Works

Title

CERTIFYING ENGINEER SIGNATURE (See Figure 2, Appendix A for Statements)

Ralph A. Klass, P.E., L.E.P.
Director of Environmental Engineering
CCA, LLC

TABLE 1 GENERAL SITE INFORMATION Department of Public Works New Milford, Connecticut January 1999	
STORMWATER POLLUTION PREVENTION PLAN	
Emergency Contact: ~~Larry Clough~~ Mike Zarba	**Work Phone:** (860) 355-6045
Title: Director of Public Works	**Emergency Phone:** 911
Secondary Contact: ~~Gerry Hollins~~ Bill Mayers	**Work Phone:** (860) 355-6045
Title: Highway Superintendent	**Emergency Phone:** 911
Type of Manufacturer: Public Works Garage	
SIC No.: 8919, Public Works Garages	
Operating Schedule: Normal operation is 8 hours per day, 5 days per week	
Number of Employees: The facility has approximately 53 employees	
Average Daily Industrial Wastewater Discharge: None	
Average Daily Sanitary Discharge:	1325 gal/day to sanitary sewer system (@25 gal/emp.)
Discharge or Other Permits: None	

The current CTDEP general permit registration is valid until October 1, 2002, at which time NMDPW must update the registration according to procedures specified by the CTDEP. Appendix C contains a copy of the October 1, 1997 CTDEP stormwater discharge regulations.

1.2 SWPPP Professional Engineer Certification

The Connecticut stormwater general permit requires a certification statement relating to non-stormwater discharges, and a certification statement relating to the SWPPP signed by a professional engineer licensed in the State of Connecticut. See Figure 2 (Appendix A) for the NMDPW SWPPP certification statements made by Mr. Ralph Klass, P.E., L.E.P., of CCA, LLC.

On December 28, 1998, a CCA, LLC representative conducted an inspection of the NMDPW facility in order to certify that floor or other drains do not connect to the stormwater drainage system. The inspection was conducted with Mr. Gerry Hollins, Highway Superintendent, Town of New Milford Department of Public Works (NMDPW). The inspection concluded that there are no floor drains that connect to the storm drainage system.

Observation of the facility roof indicated no building ventilation units which are involved in any industrial processes.

1.3 Facility Description

NMDPW, a municipality, maintains the Town of New Milford's roads and everything associated with them. Major activity areas at the facility include administrative offices, automobile/truck storage and repair garages, Town of New Milford recycling center, sand/salt storage area and road construction materials storage area.

As shown in Drawing No. 1, the facility consists of four main areas. The first area is the administrative/main garage area which consists of six buildings and covers approximately two acres. The second area is the bulky materials storage area which covers approximately 3.35 acres. The third area is the recycling center which consists of various dumpsters, storage bins and a salt storage building. The area covers approximately .85 acres. The fourth area is the pipe storage area which covers

approximately .43 acres. The entire facility covers approximately 6.63 acres. The site is bordered to the northeast by The Housatonic Valley Railroad. The site is bordered to the southwest by Young's Field Road. Run off from the site will make its way downgradient into catch basins to the southwest into the Housatonic River.

On December 15, 1998, a CCA,LLC environmental engineer (a registered professional engineer) observed the NMDPW facility to identify potential areas of stormwater pollution. The facility was found to be generally clean and well maintained during the inspection.

No areas of significant contribution to the degradation of stormwater quality were observed, however, the following items with the potential for material exposure to stormwater are noted.

- Battery, garbage, scrap metal and bulky waste dumpsters (recycling area)
- Sand and salt storage pile
- Material stockpiles
- Gasoline and diesel fueling pumps

These items are discussed in further detail in Sections 3.3 and 4.0.

2.0 STORMWATER POLLUTION PREVENTION TEAM

See Table 2 for a summary of persons designated to be part of the pollution prevention team and their respective responsibilities. Figure 3, Appendix A, contains an organizational chart for the SWPPP team.

The SWPPP team has three primary responsibilities which are outlined below:

- Evaluate the effectiveness of the overall SWPPP and make recommendations for changes in the plan/site map to facility management. Evaluate the site for changes in operation and new potential spill sources. This is accomplished bi-annually in accordance with procedures outlined in Section 4.1. In addition, the team is to review environmental incidents to determine the need for and, as necessary, implement changes to the SWPPP.

- Modify existing NMDPW training procedures for stormwater incident response, cleanup (good housekeeping practices) and notification of authorities as outlined in Section 5.3.

- Maintain an open communication with facility staff members outside the SWPPP team regarding stormwater incident responses and good housekeeping practices.

The person currently responsible for maintaining files and updates to the SWPPP is:

- Mr. Larry Clough
  Director of Public Works
  6 Young's Field Road (Office)
  10 Main Street (Mailing)
  New Milford, CT 06776
  (860) 355-6045

TABLE 2
POLLUTION PREVENTION TEAM
TOWN OF NEW MILFORD DEPARTMENT OF PUBLIC WORKS
MEMBER ROSTER (January 1999)

LEADER: ~~Larry Clough~~ Mike Zarba Title: Director of Public Works
Office Phone: (860) 355-6045

Responsibilities: Signatory authority; overall responsibility for regulatory compliance and plan implementation. Responsible for coordinating and implementing employee training program and safety program.

MEMBERS:

(1) ~~Pat Hackett~~ Jim Rotondo Title: Town Engineer
Office Phone: (860) 355-6045

Responsibilities: Primary emergency coordinator, supervises spill response activities, notes any changes in facility operations, ensures that chemical storage areas are in compliance.

(2) ~~Gerry Hollins~~ Bill Mayers Title: Highway Superintendent
Office Phone: (860) 355-6045

Responsibilities: Responsible for implementing preventive maintenance program, conducting facility inspections and ensuring reports are submitted.

NOTE: In the event of a spill where a release to the environment is possible, The New Milford Volunteer Fire Department will be contacted (dial 911) to provide emergency response assistance.

Copies of the SWPPP are available for review at the following office:

- ~~Mr. Larry Clough~~ Mike Zarba
  Director of Public Works
  6 Young's Field Road
  New Milford, CT 06776
  (860) 355-6045

Whenever this SWPPP is revised (i.e., during future site compliance inspections), copies of the revised pages will then be forwarded to the aforementioned office.

3.0 DESCRIPTION OF POTENTIAL POLLUTANT SOURCES

3.1 Site Map

Drawings 2A & 2B (Appendix A) present stormwater drainage maps of the NMDPW site. Site topography primarily slopes from the northeast to southwest towards the Housatonic River. There are essentially 8 outfall conveyances located on the site. These are described as follows:

- Drainage Area No.2, OF-2: Approx. 0.20 acres of on-site area. This area consists of, runoff from the northern half of the New Milford Ambulance parking lot and is collected in one catch basin (OF-2) located in the paved area at the corner of Young's Field Road and Housatonic Avenue. Drainage from this catch basin is discharged to the west underneath Young's Field Road toward the Housatonic River (Drawing 2A).

- Drainage Area No.3, OF-3: Approx. 1.15 acres. This area consists of parking lot runoff from New Milford Ambulance and runoff from the Recycling Area. Runoff from this drainage area enters a catch basin (OF-3) located in front of the recycling center as indicated in Drawing 2A.

- Drainage Area No.4, OF-4: Approx. 1.0 acres. This area consists of runoff from the northern portion of the bulky materials storage area. The runoff from this drainage area flows west and enters a small drainage stream which enters a pipe (OF-4) that runs under Young's Field Road toward the Housatonic River (Drawing 2A).

- Drainage Area No.5, OF-5: Approximately 1.0 acre. This area consists of runoff from the bulky materials storage area. The general direction of flow is to the west and northwest. The runoff flows to a pipe (OF-5) that runs underneath Young's Field Road toward the Housatonic River as shown in Drawings 2A & 2B.

- Drainage Area No.6, OF-6: Approximately 1.10 acres. This area consists of runoff from the southern portion of the bulky materials storage area, the sand and salt storage pile and the dirt road leading up to the railroad tracks. Runoff from the bulky material storage area is directed into a swale and runs down toward the main catch basin (OF-6). There are two catch basins at the bottom of the hill. The one to the south is a minor catch basin which flows to the north, into OF-6. This catch basin receives the runoff from the catch basin at the top of the hill, as well as receiving runoff from the north and east (including off-site sources) as shown in Drawing 2B.

- Drainage Area No.7, OF-7: Approximately 1.18 acres. This area consists of runoff from the NMDPW central building complex (administrative offices and vehicle storage/maintenance garages), the dirt drive area to the north of the building complex and from the main complex buildings themselves. This area consists of 5 catch basins which collect runoff and transport it to the sixth and main catch basin (OF-7) which transports the runoff across Young's Field Road to the west toward the Housatonic River. This main catch basin

also collects runoff directly into it as shown in Drawing 2B. (Note: During heavy rainfall events, water overflows and passes OF-6 and flows to OF-7.

- Drainage Area No.8, OF-8: Approximately .25 acres. This area consists of runoff from along the west end of Building #5 and from along the west and south end of Building #4. Runoff is collected by catch basin OF-8 along Young's Field Road as shown in Drawing 2B.

- Drainage Area No.10, OF-10: Approximately .25 acres. This area consists of runoff from the area surrounding the fuel pumps which area to the east of the Lindstedt Oil property. The runoff enters a catch basin (OF-10) shown in Drawing 2B.

There are two other drainage areas on-site which during low intensity storm events water percolates into the landscaped (grassed) soils. During higher intensity storms these areas likely exhibit sheet flow, and thus are not required to be monitored under the current stormwater pollution prevention regulations. These include:

- Drainage Area No.1: Approximately .43 acres. This area consists of runoff from this pipe storage area. The area slopes gently to the north and the majority of the runoff makes its way into the Aspetuck River, as sheet flow, which runs into the Housatonic River as shown in Drawing 2A.

- Drainage Area No.9: Approximately .43 acres. This area consists of runoff from along the south and west sides of the Braden Building as well as from the area behind Buildings #2 and #3. This area slopes to the south and all runoff will run onto the athletic fields located to the south of the NMDPW facility (Drawing 2B).

3.2 Inventory of Exposed Materials

There are several materials exposed to the environment at the NMDPW facility other than the buildings and paved/unpaved driving surfaces which contact stormwater runoff. These include the following:

- Refuse dumpsters
- Bulky Waste Dumpsters
- Battery Dumpsters
- Tire Dumpster
- Scrap Metal Dumpsters
- Waste Oil Container
- Gasoline and Diesel Pumps
- Hydraulic Equipment Attachments
- Trucks and Machines
- Sander Attachments
- Magazine Recycling Container
- Glass, Plastic and Aluminum Recycling Container
- Co-mingles Container
- Cardboard Recycling Containers
- Newspaper Recycling Container
- Used Clothing and Salvation Army Containers
- Soil / Debris / Gravel Piles
- Formed Concrete Products
- Mixed Sand and Salt Storage Pile
- Salt Storage Building Area
- Wood Chip Pile
- Bulk Materials Storage Piles

See Drawings 2A & 2B (Appendix A) for the approximate locations of the above referenced exposed materials.

Table 3 presents an inventory of materials exposed at the NMDPW facility. Sections 4.0 and 5.0 of this SWPPP, respectively, describe the potential for stormwater contamination from these sources, and methods for prevention or minimization in further detail. It is noted that Tables 1 through 5 will be revised as deemed appropriate during future bi-annual compliance inspections as discussed in Section 4.1.

TABLE 3
EXPOSED MATERIAL INVENTORY*
TOWN OF NEW MILFORD DEPARTMENT OF PUBLIC WORKS

Material	Purpose (Describe Method of Storage or Disposal)	Location (as indicated on the site map)	Quantity Stored (Units)	Exposed in Last 3 Years YES or NO	Likelihood of Contact with Stormwater (If yes, describe reason)	Past Significant Spills or Leaks YES or NO
Refuse Dumpsters	Covered with tarps	Recycling Center	2-30 yard containers	Yes	Minimal	No
Bulky Waste Dumpsters	Presently uncovered	Recycling Center	2-30 yard containers	Yes	Dumpsters to be covered to minimize exposure.	No
Battery Dumpsters	Presently uncovered	Recycling Center	3-1 yard containers	Yes	Dumpsters to be covered to minimize exposure.	No
Tire Dumpster	Presently uncovered	Recycling Center	1-40 yard container	Yes	Dumpster to be covered to minimize exposure	No
Scrap Metal Dumpsters	Presently uncovered	Recycling Center	1-20 yard & 2-40 yard containers	Yes	Dumpster to be covered to minimize exposure.	No
Waste Oil Container	Self contained (closed) system	Recycling Center	1 - 250 Gallon Tank	Yes	Closed system with berm surrounding it. Stormwater does enter bermed area.	No
Gasoline and Diesel Pumps/UST Filling Area	Presently uncovered	East of Main Buildings near Railroad Tracks	2 pumps	Yes	Uncovered to rainwater.	No
Hydraulic Equipment Attachments*	Presently uncovered	Behind Braden Building	Multiple Items	Yes	Runoff flows south to ball field area. Direct contact with stormwater	No
Trucks and Machines*	Presently uncovered	Main Building Complex Area	A few	Yes	Runoff directed to various areas.	No

TABLE 3
EXPOSED MATERIAL INVENTORY*
TOWN OF NEW MILFORD DEPARTMENT OF PUBLIC WORKS

Material	Purpose (Describe Method of Storage or Disposal)	Location (as indicated on the site map)	Quantity Stored (Units)	Exposed in Last 3 Years YES or NO	Likelihood of Contact with Stormwater (If yes, describe reason)	Past Significant Spills or Leaks YES or NO
Sander Attachments*	Presently uncovered	Adjacent to Sander Storage Building	2 units	Yes	Runoff flows to catch basin	No
Gravel Piles*	Presently uncovered	Bulky Materials Storage Area	Pile	Yes	Direct contact with stormwater	No
Soil and Fill Piles*	Presently uncovered	Bulky Materials Storage Area	Pile	Yes	Direct contact with stormwater	No
Mixed Sand and Salt Pile	Mostly covered	Bulky Materials Storage Area	Pile	Yes	Covered to minimize exposure	No
Roadway Drainage Structures*	Presently uncovered	Bulky Materials Storage Area	Area	Yes	Direct exposure	No
Wood Chip Pile*	Presently uncovered	Bulky Materials Storage Area	Pile	Yes	Direct exposure	No
Magazine Recycling Container*	Self-contained	Recycling Center	1 unit	Yes	Closed container	No

TABLE 3
EXPOSED MATERIAL INVENTORY*
TOWN OF NEW MILFORD DEPARTMENT OF PUBLIC WORKS

Material	Purpose (Describe Method of Storage or Disposal)	Location (as indicated on the site map)	Quantity Stored (Units)	Exposed in Last 3 Years YES or NO	Likelihood of Contact with Stormwater (If yes, describe reason)	Past Significant Spills or Leaks YES or NO
Glass, Plastic and Aluminum Recycling Container*	Self-contained	Recycling Center	1 unit	Yes	Closed container	No
Co-mingles Recycling Container*	Self-contained	Recycling Center	1 unit	Yes	Closed container	No
Cardboard Recycling Containers**	Self-contained	Recycling Center	2 units	Yes	Closed container	No
Newspaper Recycling Container**	Self-contained	Recycling center	1 units	Yes	Closed container	No
Clothing and Salvation Army Containers**	Self-contained	Recycling Center	2 units	Yes	Closed container	No

Notes: N/A = Not Applicable.

* Date of Materials Inspection - December 28, 1998.

** These potential sources are not expected to cause a significant impact to stormwater runoff quality.

3.3 Narrative Summary of Potential Pollutant Sources

On December 28, 1998, CCA, LLC conducted a review of the NMDPW facility for potential sources of contaminants to stormwater runoff on-site, and current management/prevention procedures. Drawings 2A & 2B of Appendix A illustrate the major drainage areas and outfalls identified, as well as illustrating the potential sources and contaminant controls to stormwater runoff which have been identified.

Materials utilized or activities conducted on the site which have a limited potential for impact to stormwater runoff are shown on Drawings 2A & 2B. These potential pollutant sources and associated pollution prevention practices are summarized in Table 6 and discussed in great detail in section 4. These sources can be described as follows:

- Dumpsters: Refuse, Bulky Waste, Tires and Scrap Metal are contained in open top type dumpsters which allow drainage out of the bottom, and are directly exposed to stormwater. Stormwater general permit regulations require that all dumpsters have covers with drain plugs intact (Appendix C).

- Battery Containers: Assorted automotive type batteries are placed and stored in small, open type dumpsters with no bottom drains. These dumpsters are directly exposed to stormwater.

- Gasoline and Diesel Pumps: There is one gasoline and one diesel pump located on the site. There is one underground storage tank associated with each pump. Management of the tank system for leaks is addressed by regular facility preventative maintenance activities.

- Waste Oil Container: There is one waste oil container located in the Recycling Center. This is for disposal of waste oil. The container is surrounded by a berm to contain any possible spillage. This berm may also accumulate stormwater which must be disposed of in accordance with applicable federal and state environmental protection regulations.

- Heating Fuel Oil Tanks: There are many heating oil tanks located on the site. They are all located inside of buildings with concrete floors and no floor drains. All tanks are relatively new. Management of these fuel tanks for leaks is addressed by regular facility maintenance activities.

- Hydraulic Equipment Attachments: Area located adjacent to the Braden Building where hydraulic equipment attachments are stored. They are directly exposed to stormwater.

- Mixed Sand and Salt Pile: The sand and salt pile is covered by a tarp, although not completely. This leaves small portions of the pile subject to exposure to stormwater.

- Bulk Materials Storage Piles: Gravel, soil, fill and mulch piles. All piles are presently uncovered and directly exposed to stormwater.

The following on-site conditions were also noted during the assessment, which are not likely to impact stormwater. There is a container filled with hay bales adjacent to the Braden Building. No vehicles are washed on the site. All heating fuel storage tanks are located inside buildings with no floor drains present. There are three large plastic containers behind Building 2 that have the name EXXON on them. They smell of diesel fuel but appear empty.

It is noted that the CTDEP stormwater general permit requires that salt piles be covered by October 1, 1993. The CTDEP requires that the sand and salt pile be enclosed or covered by structural means or by waterproof canvas, polyethylene cover or other waterproof material to prevent exposure to precipitation, except for exposure resulting from adding to or removing materials from the pile. There was one salt and sand piles stored on the site observed during the inspection. That pile is covered with a tarp. There is one salt only pile located in a covered building adjacent to the Recycling Center.This building has a front entrance for salt removal, but there is sufficient coverage by the roof to disallow any exposure to rain water.

3.4 Spills and Leaks

Table 4 identifies materials used in significant quantities (i.e., greater than 55 gallons) at the facility. This list is used to identify materials which are transported to the site, which have the potential to be listed as a significant material on Table 5.

Table 5 is a list of significant (i.e., 5 gallons or more) spills and leaks of toxic hazardous substances which have occurred at the facility since October 1, 1989. There have been no spills reported at the site for this time period.

TABLE 4 SIGNIFICANT MATERIAL USED INVENTORY NEW MILFORD DEPARTMENT OF PUBLIC WORKS		
Material	**Storage Location(s)**	**Approximate Quantity Stored (units as shown)**
Heating Fuel Oil	Located in Buildings 2,4 and 5	6 - 275 gallon tanks
Antifreeze	Located in Building 5 and 3	Several cases of one-gallon plastic bottles
Waste Antifreeze	Located in Building 5	Undetermined (< 100 gallons)
Solvents	Located in Building 2	2 - 15 Gallon Barrels
Waste Oil	Located in Building 5	Undetermined
Hydraulic Fluid	Located in Building 5	1 - 275 Gallon tank
Motor Oil	Located in Building 5	1 - 275 Gallon tank
Liquid Steam Cleaner	Located in Building 2	1 - 15 Gallon Barrel
Part Cleaner	Located in Building 5	Undetermined (< 100 gallons)

TABLE 5
LIST OF SIGNIFICANT SPILLS AND LEAKS* (10/94-10/02)
NEW MILFORD DEPARTMENT OF PUBLIC WORKS

10/94-10/95	NONE REPORTED								
Date (MM/DD/YY)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure	Preventive Measures Taken
				Type of Material	Quantity	Source, if Known	Reason		
10/95-10/96	NONE REPORTED								
Date (MM/DD/YY)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure	Preventive Measures Taken
				Type of Material	Quantity	Source, if Known	Reason		
10/96-10/97	NONE REPORTED								
Date (MM/DD/YY)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure	Preventive Measures Taken
				Type of Material	Quantity	Source, if Known	Reason		

TABLE 5
LIST OF SIGNIFICANT SPILLS AND LEAKS* (10/94-10/02)
NEW MILFORD DEPARTMENT OF PUBLIC WORKS

1st Year 10/97-10/98	NONE REPORTED								
Date (MM/DD/YY)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure	Preventive Measures Taken
				Type of Material	Quantity	Source, if Known	Reason		
2nd Year 10/98-10/99	NONE REPORTED								
Date (MM/DD/YY)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure	Preventive Measures Taken
				Type of Material	Quantity	Source, if Known	Reason		
3rd Year 10/99-10/00									
Date (MM/DD/YY)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure	Preventive Measures Taken
				Type of Material	Quantity	Source if Known	Reason		

TABLE 5
LIST OF SIGNIFICANT SPILLS AND LEAKS* (10/94-10/02)
NEW MILFORD DEPARTMENT OF PUBLIC WORKS

4th Year 10/00-10/01									
Date (MM/DD/YY)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure	Preventive Measures Taken
				Type of Material	Quantity	Source if Known	Reason		
5th Year 10/01-10/02									
Date (MM/DD/YY)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure	Preventive Measures Taken
				Type of Material	Quantity	Source if Known	Reason		

Note: Record of all spills and significant leaks of five gallons or more leaks of toxic hazardous pollutants that have occurred at the facility (i.e., outside) since October 1, 1995.

4.0 MONITORING PROGRAMS

4.1 Bi-Annual Comprehensive Site Compliance Evaluation Program

The site compliance evaluation program is comprised of a bi-annual (twice a year) site inspection (April, October) and subsequent plan evaluation. Figure 4 (Appendix A) contains a sample bi-annual inspection (Part A) and evaluation (Part B) report form.

The site is inspected twice a year for new or not previously documented potential stormwater pollution sources, for adequacy of existing preventative controls and measures, and for accuracy of site features shown on the facility site map.

Potential pollutant sources can be identified, as a minimum, by review of:

- on-site drainage conveyances and discharges;
- an inventory listing of exposed materials;
- possible and actual spill and leak locations; and
- sampling data (i.e., drainage line testing, stormwater quality testing).

These potential pollutant sources were evaluated by CCA, LLC during the facility's first inspection in December 1998. In summary, potential stormwater pollution sources include:

- Refuse dumpsters
- Bulky Waste Dumpsters
- Battery Dumpsters
- Tire Dumpster
- Scrap Metal Dumpsters
- Waste Oil Container
- Gasoline and Diesel Pumps
- Hydraulic Equipment Attachments
- Mixed Sand and Salt Storage Pile
- Bulk Material Storage Piles

These potential sources are shown on the facility stormwater assessment site maps (Drawings 2A & 2B) and listed in Table 6. This drawing and table are an important component of the SWPPP which is to be reviewed and updated as part of the bi-annual inspection program. CTDEP general permit requirements for the site drawing are given in Table 7.

Other potential sources not expected to contribute significantly to stormwater runoff pollution include materials stored indoors, covers for salt/sand storage piles, recycling containers, trucks, machines and machine attachments.

Several preventative maintenance measures (i.e., structural controls) are used on-site. These include: stormwater catch basins and a berm for the waste oil storage area. The integrity of these structural controls is visually observed during the bi-annual site inspections (Part A). In addition, most vehicles are stored indoors. No vehicle washing is performed on-site and Department of Public Works vehicle maintenance procedures, which minimize the potential for release of fluids, are followed on a regular basis.

The bi-annual inspections will be conducted by members of the SWPPP team designated in Section 2.0 (i.e., Highway Superintendent).

The inspection record (Part A, Figure 4) will then be reviewed and evaluated (Part B, Figure 4) by the Team Leader. The Team Leader will communicate with SWPPP team members or other facility staff, if necessary, then either specify a SWPPP update, coordinate a corrective action, or if satisfactory (i.e., no further action necessary), forward the report forms and Appendix D summary table to the SWPPP Leader for a review signature.

The inspection and evaluation summary table is contained as section (a) of Appendix D. Bi-annual inspection and evaluation records are to be attached as section (b) of Appendix D.

Copies of SWPPP revised pages are forwarded to the office as specified in Section 2.0. Appendix D records are to be maintained for a period of at least 5 years.

TABLE 6 POTENTIAL POLLUTANT SOURCES NEW MILFORD DEPARTMENT OF PUBLIC WORKS			
POTENTIAL SOURCE	**ASSOCIATED POLLUTANTS**	**CURRENT PREVENTATIVE PRACTICES**	**FUTURE PREVENTATIVE PRACTICES**
Refuse, Bulky Waste, Tires and Scrap Metal Dumpsters		Some are covered	Cover all dumpsters and ensure all drain holes are plugged
Battery Containers	Accumulation of acids, lead and possible corrosion of container	Containers have no drains	Provide cover & regular inspections
Gasoline and Diesel Pumps	Gasoline and diesel fuel	Routine good house keeping procedures	Ensuring all personnel follow appropriate Spill Prevention Control and Countermeasures (SPCC) procedures.
Waste Oil Container	Waste oil	Berm around waste oil container	Cover container and berm area so no stormwater may accumulate
Heating Fuel Oil Tanks	Heating fuel	Tanks located inside of buildings with no floor drains.	Fill spouts located outside of buildings. Precautions taken to ensure no oil is spilled
Bulk Material Storage Piles	Siltation of stormwater	None	Place tarps over piles to ensure no exposure to stormwater
Mixed Sand and Salt Pile	Siltation and salination of stormwater	Tarp covering sand and salt pile	Place larger tarp over pile to ensure no exposure to stormwater

TABLE 7
CTDEP GENERAL PERMIT SITE PLAN REQUIREMENTS

- Drainage areas of each storm water outfall
- Structural storm water pollution control measures, such as:
  - Flow diversion structures
  - Retention/detention ponds
  - Vegetative swales
  - Sediment traps
- Receiving waters
- Topography of site
- Exposed significant materials
- Locations of past spills and leaks
- High-risk, waste-generating areas and activities common on industrial sites such as:
  - Fueling stations
  - Vehicle/equipment washing and maintenance areas
  - Area for unloading/loading materials
  - Above-ground tanks for liquid storage
- Industrial waste management areas, such as:
  - Landfills
  - Waste piles
  - Wastewater and solid waste treatment plants and disposal areas
- Outside storage areas for raw materials, by-products, and finished products
- Outside manufacturing areas
- Outside electrical areas
- Salt storage locations
- Other areas of concern

4.2 Annual Stormwater Monitoring Program

The following sections describe the annual stormwater quality monitoring program which is conducted at the NMDPW facility.

- Monitoring Parameter List - Analytical stormwater monitoring parameters required by all facilities under the CTDEP general permit as of October 1997 are defined in Table 8 (item 1).

Additional monitoring parameters are necessary when the following conditions exist.

1. *Monitor for pollutant parameters limited or required to be monitored under a discharge permit by the Commissioner to the site for "process" water.*

   The NMDPW currently has no process wastewater discharge.

2. *Monitor for pollutant parameters limited in an EPA effluent guideline to which the permittee is subject.*

   The NMDPW does not have a permitted discharge and as such is not subject to EPA effluent guidelines.

- Monitoring Frequency - In accordance with the October 1997 general permit revisions, if the stormwater discharge monitored does not exceed the Table 9 standard for a period of 2 consecutive years commencing on October 1, 1997, sampling may be suspended for 2 years following this period. However, the additional site pollutants must be monitored for the entire term of the permit. This provision applies only to those discharge points at the facility which remain below the Table 9 levels.

- Sampling Locations - Three qualifying major stormwater drainage areas were identified at the NMDPW site, and are illustrated on Drawings 2A & 2B (Drainage Area No. 3, 6 & 7).

In accordance with EPA guidance documents, the runoff coefficient for OF-3 is assumed to be 60%. The runoff coefficient for OF-6 is assumed to be 60%. The runoff coefficient for OF-7 is assumed to be 90%.

TABLE 8
ANNUAL STORMWATER SAMPLING PARAMETER LIST
NEW MILFORD DEPARTMENT OF PUBLIC WORKS

1. Routine Parameters Required by All Covered Under the General Permit:

   Total Oil & Grease
   pH (stormwater, and uncontaminated rainfall pH)*
   COD
   Total Suspended Solids (TSS)
   Total Phosphorus
   TKN
   Nitrate as Nitrogen
   Fecal Coliform
   Total Copper
   Total Zinc
   Total Lead
   Aquatic Toxicity (LC_{50})*
   Temperature
   Duration/Magnitude of Event

2. Additional Parameters required under the NPDES Permit:

   NMDPW does not have an NPDES Permit.

   NOTE:

   * Parameter was added in October 1995 by CTDEP.

TABLE 9 CTDEP STANDARDS FOR STORMWATER POLLUTANT PARAMETERS*	
Minimum List of Pollutant Parameters to Be Monitored	**General Permit Levels (mg/l)**
Total Oil & Grease	5
pH (S.U.)	none adopted to date **
Chemical Oxygen Demand (COD)	75
Total Suspended Solids (TSS)	100
Total Phosphorous	0.5
Total Kjeldahl Nitrogen (TKN)	2.5
Nitrate as Nitrogen	1.5
Fecal Coliform (colonies/100 ml)	none adopted in October 1997
Total Copper	0.100
Total Lead	0.050
Total Zinc	0.500
Aquatic Toxicity (48 hour)	LC_{50} > 50%

NOTES:

* Numeric criteria adopted in October 1997.

- Sample Collection Protocols - Grab samples will be taken at OF-3, 6 & 7. Sample water will be collected into properly preserved bottles obtained from the analytical laboratory. Analytical methods specified by the general permit are those presented in 40 CFR Part 136 (1990) Guidelines Establishing Test Procedures for the Analysis of Pollutants (pursuant to the Clean Water Act). Chain of custody paperwork will be utilized for tracking the samples collected.

  Field parameters, pH, conductivity, and temperature will be analyzed in the field using properly maintained and calibrated electronic meters. pH of uncontaminated rainfall (i.e., collected in a decontaminated glass jar or rain gage) will also be obtained in the field.

  Storm event data recorded will include the storm's duration (i.e., time initiated, time ended), and magnitude (on-site rain gauge or weather station reading).

  When feasible, annual samples should be collected from discharges resulting from a storm event that is greater than 0.1 inch in magnitude, and that occurs at least 72 hours after any previous storm event of 0.1 inch or greater.

  Where feasible, the rainfall during the first 30 minutes of the storm event monitored shall be between 0.1 and 0.75 inches. Runoff events resulting from snow or ice melt cannot be used to meet the minimum annual monitoring requirements.

  Previous storm event data needed to verify the 72 hour dry period is available from the Bridgeport Weather Station.

- Reporting Requirements - Reporting of all water quality data on CTDEP forms is required within 90 days from the date of collection (see Section 6.0).

  Monitoring records are to be maintained on-site (unless specifically requested by the CTDEP Commissioner) for a period of at least 5 years following the expiration of the October 1997 general permit (i.e., 2007).

Copies of stormwater quality monitoring records can be found in section (b) of Appendix E, in addition to a Stormwater Monitoring Summary Table (section (a)) which describes field information recorded for each monitored storm event.

5.0 MEASURES AND CONTROLS

Several measures and controls are utilized at the NMDPW facility to prevent pollution to surface waters of the State via stormwater discharges. These include the following:

5.1 **Good Housekeeping Practices:** The NMDPW maintenance employees and those responsible for moving materials within the building, adhere to procedures for good housekeeping.

5.2 **Preventative Maintenance:** Preventative maintenance procedures include several inspection/maintenance activities which are conducted during the SWPPP bi-annual compliance evaluation program (Section 4.1). These are outlined as followed:

1. Inspection/maintenance of the on-site stormwater basins identified in Section 3.2 and Drawings 2A & 2B;

2. Inspection/maintenance of general site conditions;

3. Inspection/maintenance of the fuel oil tanks and other gasoline/oil tanks on the site;

4. Inspection/maintenance of the sand and salt pile, as well as other soil and debris piles; and

5. Maintenance of emergency spill response equipment.

6. Routine maintenance of roadway maintenance vehicles and other DPW equipment.

5.3 **Spill Prevention and Response Procedures:** Spill prevention and response procedures are as outlined in the NMDPW's **Contingency Plan**.

5.4 **Inspections:** Several areas for inspection are required by this SWPPP under the

Bi-Annual Site Compliance Evaluation Program (Section 4.1). The bi-annual inspection program is performed by a qualified person identified in Section 2.0 twice a year as described in Section 4.1. The inspection program consists of visually inspecting material transfer areas (i.e., loading docks, garage entrances) and other potential sources identified in Sections 3.3, 4.0 and 4.1, and conducting the preventative maintenance items outlined above. Visual inspection of spill response equipment and inventory of supplies is conducted as part of the NMDPW's standard maintenance procedures.

5.5 **Employee Training:** Employee training for stormwater pollution prevention is to be conducted as part of the NMDPW's Contingency Program.

The NMDPW Employee Training Program is currently conducted as part of the site Contingency Program.

Employee training for stormwater pollution prevention is to be conducted as part of the Contingency Program. The NMDPW training program will be amended to include discussions on the following stormwater pollution prevention topics:

- Discuss the current status (revisions or renewals) of the CTDEP stormwater pollution prevention regulations, CGS Section 22a-430b. Contact the CTDEP Water Compliance Permitting Dept. to determine if revisions have occurred;

- Discuss the objectives of the CTDEP permitting program, and review pertinent procedures to prevent hazards at the NMDPW site contained in the SWPPP;

- Review monitoring, inspecting, and reporting requirements identified in the SWPPP; and

- A critical review of the SWPPP should be made for content accuracy, and monitoring records for completeness.

Refresher training meetings (conducted annually) will include the above referenced additions, plus:

- Review of any environmental/health & safety incidents;

- Briefly discuss good housekeeping, spill prevention and response procedures, and exterior material transfer/handling practices; and

- Discuss/announce any changes to the SWPPP or management practices or personnel.

Personnel requiring annual training include members of the SWPPP team, and other pertinent NMDPW staff members as deemed appropriate by the SWPPP team.

5.6 **Non-Stormwater Discharges:** Non-stormwater discharges originating from within the building is not possible since there are no interior floor drains or other connections.

Annual stormwater quality monitoring of pollutant constituents (Section 5.2) is another measure used by the NMDPW for detecting non-stormwater pollutant sources at the site.

5.7 **Sediment and Erosion Control:** A large portion of the site is paved. The upgradient border of the bulky materials storage area contains grassy swales that act to retain stormwaters from upgradient, off-site locations. The bulky materials storage area is, however, not covered and susceptible to erosion. Covers should be placed on sand/salt storage piles and storage areas. Hay bales should be placed in locations so as to inhibit rapid water flow and subsequent erosion.

Potential sediment runoff originating from the unpaved access way leading up to the railroad tracks and the entrance to the bulky materials storage area is directed down the access way to either one of two catch basins.

5.8 **Management of Runoff:** The site was initially evaluated in 1998 (Section 4.0) for potential sources of stormwater pollution. Reasonable and appropriate measures (i.e., corrective actions) which have or will be taken to prevent pollution to surface waters of the State include the following:

- Provide covers for the refuse/recycling dumpsters.
- Provide larger tarp in order to better cover the sand and salt storage pile as well as tarps for the bulk material storage piles.

Bi-annual SWPPP inspections will continue to monitor for potential stormwater pollution sources, and provide a mechanism for corrective actions.

5.9 **Consistency with other Plans:** This SWPPP is consistent with NMDPW Contingency Program.

5.10 **Salt Storage:** The NMDPW facility has a large stock pile of a salted sand mixture. It is covered by a tarp. There is a Salt Storage Shed that is located adjacent to the recycling center.

5.11 **Recommendations & Schedule of Implementation:** This section presents a specific schedule for implementation of those measures and controls for stormwater pollution prevention discussed in Sections 4.0 and 5.0, which are not currently conducted under previously existing regulatory programs (i.e., Sara Title III inventory updates, RCRA Hazardous Waste contingency plan updates etc.).

Table 10 represents a detailed schedule of implementation for the SWPPP for items 1-4.

1. 1997 Comprehensive Site Evaluation Corrective Measures (Section 4.0):

According to regulatory requirements of the CTDEP general permit, actions required by the SWPPP must be completed as soon as possible, but in no event later than October 1, 1999 (365 days after the issuance of the permit). Due to the delay in performing the site inspection, corrective measures identified should be conducted as soon as practicable.

2. Bi-Annual Site Compliance Evaluation Program (Section 4.1):

The first SWPPP bi-annual evaluation was conducted on August 21, 1997. The

next evaluation will be conducted in October 1997 according to procedures outlined in Section 4.1, by NMDPW personnel outlined in Section 2.0. Thereafter, site evaluations should be conducted bi-annually in April and October.

Corrective actions identified during future bi-annual evaluations or by SWPPP revisions are subject to deadlines discussed in the above section. Updates to the SWPPP Tables 1-6 (general site information, SWPPP team members, material inventories, spills & leaks, exposed materials) will be incorporated into the SWPPP by the Team Leader as significant changes occur (Figure 4).

Bi-annual inspection and evaluation records are to be incorporated into the SWPPP in Appendix D, upon completion of review by the SWPPP Team Leader.

3. Annual Stormwater Quality Monitoring Program (Section 5.2):

Annual stormwater monitoring performed under this general permit registration will be conducted according to the following schedule:

October 1, 1998 - October 1, 1999

October 1, 1999 - October 1, 2000

October 1, 2000 - October 1, 2001

October 1, 2001 - October 1, 2002

October 1, 2002 - October 1, 2003

Stormwater quality records are to be incorporated into the SWPPP in Appendix E upon review by the SWPPP team members and leader. Table 9 contains CTDEP standards for stormwater pollutant parameters (to be used when reviewing compliance with CTDEP standards.)

Stormwater data must be reported to the CTDEP using Stormwater Monitoring Data (SMR) forms (see Figure 5, Appendix A) within 90 days of sample collection.

4. Employee Training (Section 5.3):

Stormwater pollution prevention training will be made part of the NMDPW Contingency Program Training program. Refresher training meetings (conducted annually) will also be conducted for members of the SWPPP team, and other pertinent NMDPW staff members as deemed appropriate by the SWPPP team.

5.12 **Additional Requirements of Municipalities:** Not applicable to the NMDPW site since New Milford has a population of approximately 27,000. Only municipalities serving populations of 100,000 or more are subject to additional regulation (i.e., STAMFORD).

TABLE 10 SWPPP SCHEDULE OF IMPLEMENTATION			
A) 1997 COMPREHENSIVE SITE EVALUATION CORRECTIVE MEASURES:			
TASK DESCRIPTION	COMPLIANCE DATE	DATE COMPLETED	COMMENTS
1. Provide cover for all dumpsters.	ASAP		
2. Provide more adequate cover for sand and salt pile.	ASAP		
3. Provide adequate cover for bulk material storage piles	ASAP		
4. Provide hay bales where necessary to impede erosion	ASAP		

TABLE 10 (Cont'd.) SWPPP SCHEDULE OF IMPLEMENTATION			
B) BI-ANNUAL SITE COMPLIANCE EVALUATION PROGRAM:			
TASK DESCRIPTION	COMPLIANCE DATE	DATE COMPLETED	COMMENTS
1. Conduct inspection of controls and measures (Figure 4, Part A)	Bi-annually-April & October		
2. Evaluate effectiveness of SWPPP (Figure 4, Part B), discuss or implement recommendations for corrective actions	Bi-annually-April & October		
3. Review environmental accidents on-site (if any occur), spill response and notification procedures	Annually, as part of the Training Program		
4. Complete inspection/ evaluation form (Figure 4), sign summary table (Appendix D) and file report form in Appendix D (Maintain Records)	As soon as practicable after inspection/ evaluation		

TABLE 10 (Cont'd.) SWPPP SCHEDULE OF IMPLEMENTATION			
C) ANNUAL STORMWATER QUALITY MONITORING PROGRAM			
TASK DESCRIPTION	COMPLIANCE DATE	DATE COMPLETED	COMMENTS
1. Conduct yearly sampling event	Jan. 1- Dec.30		
2. Complete CTDEP reporting SMR form (Figure 5, Appendix A)	Submit SMR form & lab report to the CTDEP within 90 days of sampling date.		
3. Complete and sign summary table in SWPPP (Appendix E), and include laboratory report (and field notes, if applicable)	As soon as practicable after sampling event		

TABLE 10 (Cont'd.) SWPPP SCHEDULE OF IMPLEMENTATION			
D) EMPLOYEE TRAINING			
TASK DESCRIPTION	COMPLIANCE DATE	DATE COMPLETED	COMMENTS
1. Modify annual Training Program to include a stormwater program discussion	ASAP		
2. Maintain open communication with staff members outside SWPPP team on response and good housekeeping practices	At least annually, (ongoing)		

6.0 MONITORING AND REPORTING REQUIREMENTS SUMMARY

There are two monitoring requirements contained in this SWPPP. These include bi-annual site compliance monitoring, and annual stormwater quality monitoring. See Sections 4.1 and 5.2 (respectively) for more information pertaining to these two monitoring programs. As stated in the previous sections, future monitoring data from these two programs will be filed into Appendix D and E, respectively.

All results of monitoring conducted pursuant to this general permit shall be submitted on the Stormwater Monitoring Report (SMR) form. A blank copy of this form is presented as Figure 5. The submission must include SMR documents and all supporting chemical/physical measurements (i.e., lab report & field data sheet) performed in association with the toxicity tests as well as dose-response data.

All SMR forms shall be submitted within 90 days of the date of sampling to:

Department of Environmental Protection

Bureau of Water Management

79 Elm Street

Hartford, Connecticut 06106-5127

ATTN: Water Toxics Program Coordinator

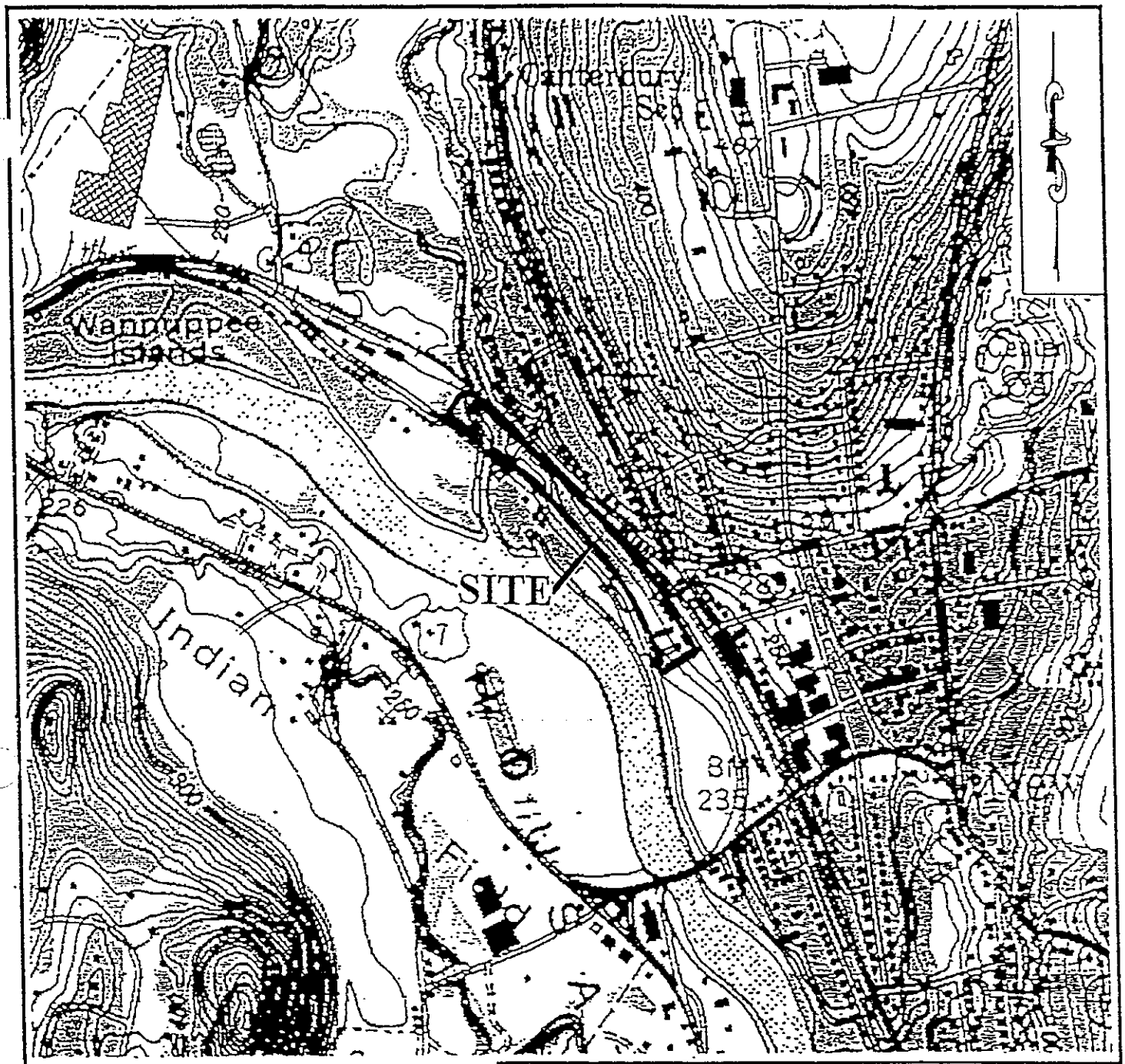
APPENDIX A

FIGURES AND DRAWINGS

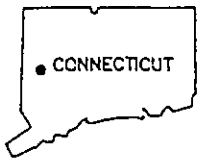
LIST OF FIGURES AND DRAWINGS

FIGURE DESCRIPTION:

DRAWING DESCRIPTION:



SITE LOCATION MAP
TOWN OF NEW MILFORD
DEPARTMENT OF PUBLIC WORKS
6 YOUNGS FIELD ROAD
NEW MILFORD, CONNECTICUT



QUADRANGLE LOCATION

TOPOGRAPHIC CONTOUR INTERVAL= 10'

NOTE: FIGURE TAKEN FROM THE NEW MILFORD, CONN. U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP. (DATED 1955, PHOTO REVISED IN 1984)

40 Old New Milford Road
Brookfield, CT 06804
(203)775-6207

CCA LLC
ENVIRONMENTAL - CIVIL - ENGINEERING - SURVEYING

33 Village Green Drive
Litchfield, CT 06759
(860)567-3179

By: G.P.C.	Scale: 1" ≅ 500'	Sheet: 1
Date: 12 / 16 / 98	Project No. 8171.01	Acad No. RF3

FIGURE 2

NEW MILFORD DEPARTMENT OF PUBLIC WORKS SWPPP

CERTIFICATION STATEMENTS

A) Non-Stormwater Discharge Certification Statement:

"I certify that in my professional judgement, the discharge from the site consists only of stormwater combined only with groundwater seepage and/or wastewater covered by an effective stormwater permit issued under Section 22a-430 or Section 22a-430b of the Connecticut General Statutes. 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. 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."

12/9/99

Ralph A. Klass, P.E., L.E.P. DATE

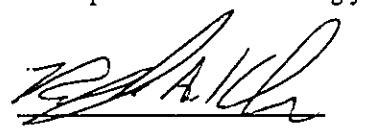
License No. 18438

Director of Environmental Engineering

CCA, LLC

B) SWPPP Certification Statement:

"I certify that in my professional judgement, the stormwater pollution prevention plan prepared for this site meets the criteria set forth in the General Permit for the Discharge of Stormwater from Industrial Activities issued on October 1, 1992 (as modified on October 1, 1995 and reissued on October 1, 1997). This certification is based on my review of the stormwater pollution control plan for the site and an inspection of the site. 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."



12/9/99

Ralph A. Klass, P.E., L.E.P. DATE

License No. 18438

Director of Environmental Engineering

CCA, LLC

FIGURE 3

SWPPP TEAM ORGANIZATION CHART

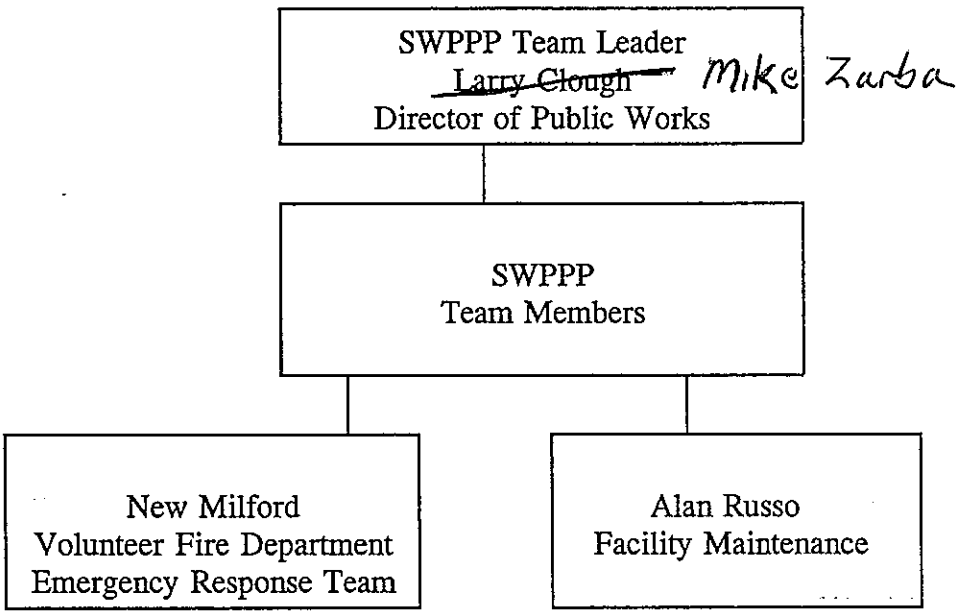


FIGURE 4

Inspector: _____

Date of Inspection: _____

Review the checklist on the next page. Use it to update the site map, pollutants list and maintenance practices as necessary. Note changes here and on the Plan.

_____

_____

_____

_____

Update the pollution prevention team if necessary. Updated? Y __ N __

Review the SWPPP. Are there any other areas which need to be updated? Y __ N __
If so, note them here and on the Plan.

_____

_____

_____

_____

Additional Comments:

_____

_____

_____

_____

FIGURE 4 (Continued)

AREA CHECKED	CHECKED FOR...	PROBLEMS YES	PROBLEMS NO	IF YES, DESCRIBE	DESCRIBE FOLLOW-UP
Bulky Waste Dumpsters	Cover/Leakage				
Refuse Dumpsters	Cover/Leakage				
Scrap Metal Dumpsters	Cover/Leaking				
Tire Dumpster	Cover/Leaking				
Battery Dumpsters	Cover/Leaking				
Catch Basins	Staining/Odors/ Sediment				
Fuel Oil Tanks	Staining/Spillage				
Paved Parking Areas	Staining/Spillage/ Sediment				
Waste Oil Tanks	Staining/Spillage				
Waste Antifreeze Tank	Staining/Spillage				

AREA CHECKED	CHECKED FOR...	PROBLEMS YES	PROBLEMS NO	IF YES, DESCRIBE	DESCRIBE FOLLOW-UP
Salt/Sand Mixture	Cover/Erosion				
Salt Storage Shed	Staining/Release				
Equipment Storage Buildings	Exterior staining/Spillage/Release				
Gasoline and Diesel Pumps	Staining/Spillage/Odors				
Unpaved Roadways/Parking	Staining/Spillage/ Sediment				
Spill Response Equipment	Inventory of Supplies				

FIGURE 5

CTDEP Stormwater Monitoring Report (SMR) Form (2 Pages)

General Permit for the Discharge of Stormwater Associated with Industrial Activities

Stormwater Monitoring Report Form

Facility Information

Name (owner, operator): _____

Mailing Address: _____

Business Phone: ( ) _____ ext. _____ Fax: ( ) _____

Contact Person: _____ Title: _____

Site Address: _____

Receiving Water (name, basin): _____

Stormwater G.P. Registration # *GSI* _____ SIC Code: _____

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

Sampling Information

Sample Location: _____

Date/Time Collected: _____

Person Collecting Sample: _____

Storm Magnitude (inches): _____ Storm Duration (hours): _____

Date of Previous Storm Event: _____ Rainfall pH: _____

Monitoring Results

Parameter	Method	Results (units)	Laboratory
Oil & Grease			
pH			
COD			
TSS			
TP			
TKN			
NO3-N			
Fecal Coliform			
Total Copper			
Total Zinc			
Total Lead			
24 Hr. LC50			
48 Hr. LC50			

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: _____

Signature: _____ Date: _____

Stormwater Acute Toxicity Test Data Sheet

Source: _____

Date Begin: _____ Date End: _____

Technician: _____ Starting Hour: _____

Dilution Water: Synthetic Freshwater 50 ±5 mg/L as $CaCO_3$

Test Species: *Daphnia pulex* < 24 hours old

Individuals/Concentration: _____ Temp. Range: 20 ±1°C

Start Time:

DILUTION%	0 A	0 B	6¼ A	6¼ B	12½ A	12½ B	25A	25B	50A	50B	100A	100B
D.O.												
pH												
TEMP.												
COND.												
HARDNESS												

24 Hours

%SURVIVAL												
D.O.												
pH												
TEMP.												
COND.												

48 Hours

%SURVIVAL												
D.O.												
pH												
TEMP.												
COND.												

Reference Toxicant Results

Test Species	Date	Referance Toxicant	Source	LC50
Daphnia pulex				

Please send completed form to:

WATER TOXICS PROGRAM COORDINATOR
BUREAU OF WATER MANAGEMENT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127