

<Insert site name>
**Municipal Operations Pollution Prevention &
Good Housekeeping Manual**



Site Address:

<Insert facility address here>

Prepared in support of:

Ohio EPA Facility Permits 3GQ00002*AG as covered under Ohio EPA
NPDES Phase II General Permits OHQ000001.

Prepared by:

<insert Co-Permittee name and address here>

<insert date here>

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1.0 Introduction

This Municipal Operations Pollution Prevention/Good Housekeeping Manual for the <insert facility name here> site has been prepared by a Co-Permittee of the Trumbull County Regional Storm Water Management Program (SWMP) dated March 10, 2003.

The program described in this document has been developed by <insert Co-Permittee name here> with the intent to reduce the discharge of pollutants from municipal operations at the <insert facility name here> site. It is the intent of this program to reduce the discharge of pollutants from the site to the maximum extent practicable, to protect water quality, and to satisfy the appropriate water quality requirements of Ohio Revised Code 6111 as described in the Ohio EPA Permits. Specifically, this document addresses pollution prevention and good housekeeping for municipal operations as described in Control Measure 6 of the Ohio EPA Permits. Each Co-Permittee in the Regional SWMP has committed to implement pollution prevention and good housekeeping Best Management Practices (BMPs) to reduce or prevent the discharge of pollutants in storm water runoff from municipal operations and facilities within their municipal separate storm sewer system (MS4).

This Pollution Prevention/Good Housekeeping Manual is the main focus of the program BMPs for Control Measure 6 in the Regional SWMP. This document has been prepared following discussions and training sessions on municipal operations. During the discussions, the existing storm water control measures already in place were documented by each individual community, and existing and potential impacts to storm water runoff were noted. Components of other plans already in place at the facilities (such as spill response and prevention plans) were incorporated into this Manual or expanded upon as necessary. This Manual presents storm water controls that will be used by the Co-Permittee to perform regular employee training and to implement and evaluate BMPs and controls at the facility to fulfill the requirements of the Ohio EPA permits.

The following section of the document describes the municipal site or operations that are the focus of the storm water BMPs. The remaining sections of the document contain a description of the BMPs that are recommended to control storm water pollution from specific municipal activities at the site. Each section contains BMPs tailored to control storm water impacts for each particular type of municipal activity or operation. The recommended BMPs will be implemented on an ongoing basis for the indefinite future. The Co-Permittee plans to implement these BMPs or similar controls, wherever they would be effective at preventing pollutants from discharging with storm water from the site.

2.0 Description of Municipal Facility and Operations

Site Address:	
Primary Site Contact:	Phone number:
Title:	
Secondary Site Contact:	Phone number:
Title:	

Description of Site Activities:

or

<Insert a brief paragraph description of the site and operations and activities that take place at the site here>

or

<Insert a short site description and reference a site map>

3.0 Description of Proposed BMPs

3.1 *Pollution Prevention Training for Employees*

Successful storm water pollution control relies in large part on proper training and education of employees. Many of the recommended BMPS in this manual will require specific training for employees who conduct the activities. It is essential that employees understand and implement the BMPs that apply to operations within each facility. Training can be completed separately or done in conjunction with regular employee training procedures.

Employee training will emphasize the importance of keeping pollutants out of the storm drains, because the drains go directly to the surface waters of the state without benefit of wastewater treatment that the sanitary sewers receive. Facility personnel will be educated about the harmful environmental effects of improper disposal of materials into the storm drain so that they understand the importance of preventing storm water pollution.

The following training will be implemented by the Co-Permittee:

- Experienced workers or other trained personnel from other Co-Permittees will be used to train facility employees.
- Training will be completed and documented once per year for all appropriate personnel through the annual training session held at Trumbull SWCD office. Other trainings may be available through Ohio EPA and/or Ohio DOT (LTAP) and should be attended if funding is available.
- New personnel will be required to review and understand this document prior to initiating work activities.

3.2 *Eliminating Illicit and Non-Storm Water Discharges*

The Ohio EPA Permits prohibit discharges of anything but storm water to the storm drains. *<insert Co-Permittee name here>* personnel will inspect the facility to be sure no unauthorized discharges enter storm drains or discharge offsite. Connections that allow sanitary or any sort of wastewater to enter the storm drain are prohibited, including storm drain connections from indoor drains or sinks. These are known as illicit connections and must be eliminated.

Another form of prohibited discharge is illegal dumping. Pollutants may be introduced to storm drains inadvertently, by routine practices that discharge water outdoors, or they may be released intentionally by routinely discharging wastes, wash water, and other materials to storm drains, catch basins, and other conveyance facilities either on the facility or in the street. A large part of this improper discharge results from employees lack of understanding, coupled with a lack of readily available proper routes for the discharge. Continuing employee training will be needed as described in Section 3.1.

<insert Co-Permittee name here> will make a long-term ongoing effort to assure that no illegal discharges will occur from municipal operations at the facility. This requires continuing observations to identify potential sources of intentional or inadvertent illicit discharges. Efforts will be made to discontinue or re-route the storm water from those activities.

The following measures to help prevent non-stormwater discharges will be implemented:

- Provide well-marked proper disposal or collection methods for solid or liquid waste.
- Train employees in proper disposal of non-storm water. Employees will be educated to understand that storm drains connect directly to streams and other water bodies without treatment.
- Label all storm drain inlets and catch basins “No dumping—flows to streams” so employees can tell which inlets are part of the storm drain system. Stencils can be obtained by contact Trumbull SWCD Office.
- Periodically inspect and maintain the facility operations and BMPS to evaluate the success of efforts to reduce and eliminate non-storm water discharges.
- Periodically inspect and maintain storm drain inlets. Clean out catch basins so that accumulated pollutants do not wash down the storm drains.

3.3 Spill Prevention, Control, and Cleanup

Even small spills can have cumulative effects that add up to a significant source of potential pollutants in storm water discharges from the site. <insert Co-Permittee name here> goal is to prevent spills and leaks, maintain a regular inspection and repair schedule, and correct potential spill situations before a spill can occur.

When a spill does occur, quick and effective response will prevent pollutants from reaching storm water. Spills will be cleaned up promptly and not allowed to evaporate so that pollutants do not remain on the pavement to be washed to the storm drains with the next rain or remain in the soil to become a possible groundwater pollutant. If the spill is on an unpaved surface, <insert Co-Permittee name here> personnel will determine whether the contaminated soil should be removed to prevent it from being a source of future storm water pollutants. Spill procedures will also include cleaning up leaks, drips, and other spills without water whenever possible.

Spill prevention and response procedures for hazardous materials stored or handled onsite will follow the procedures described in the facility Hazardous Materials Management Plan. <insert Co-Permittee name here> personnel will contain and collect the spilled substance, then dispose of the substances and any contaminated soil in compliance with local hazardous materials regulations.

The spill control and cleanup procedures for this facility are as follows:

- Small spills: These are spills that can be wiped up with a shop rag. Wet rags will not be put in the dumpster with the shop trash – they will be stored in a covered

bin like the kind used at auto service stations. Used rags will be sent to a professional cleaning service or disposed of with the hazardous wastes if necessary.

- **Medium-sized spills:** These are spills too large to wipe up with a rag. Medium-sized spills will be contained and soaked up using dry absorbent material such as: Vermiculite, specially-prepared sawdust, or kitty litter. Absorbent snakes may be used as temporary booms to contain and soak up the liquid. Used absorbent material will be swept up or collected and will be disposed of with the shop trash if non-hazardous or with the hazardous wastes if necessary. A wet/dry shop vacuum cleaner may also be used to collect spills and dispose of the liquid with hazardous wastes. Vacuums will not be used for gasoline, solvents, or other volatile fluids, because the enclosed vacuum may become an explosive hazard.
- **Large spills:** Spills of non-hazardous liquids will be contained and cleaned using a minimum amount of wash water. Storm drain inlets or sewer inlets will be pulled to prevent the spill enter from entering the MS4. Temporary plugs will be kept onsite for the facility inlets and employees will be trained in when and how to use them. For hazardous materials spills, the procedures described in the Hazardous Materials Management Plan will be implemented.

A Spill/Release Incident Reporting form is provided in Appendix A. This form should be filled out promptly after a spill or release.

3.4 Outdoor Equipment Operations

The facility manager or Co-Permittee representative will identify all equipment at the facility that may be exposed to storm water, or that may discharge potential pollutants that may be exposed to storm water.

An employee will be assigned to inspect each piece of equipment on a regular basis to see that it is functioning properly. Leaks, malfunctions, staining on and around the equipment, and other evidence of leaks and discharges will be observed and noted. The inspecting person will be responsible for reporting any spills or leaks using the form provided in Appendix B. Spill and leak control and cleanup activities are described in Section 3.3.

The equipment operations BMPs for this facility are as follows:

- Equipment will be placed on an impermeable surface, or a drip pan will be installed beneath the potential leak points of the equipment.
- The amount of rainwater that contacts the equipment will be minimized wherever possible.

3.5 Outdoor Materials Storage and Handling

Outdoor material storage areas will be inspected for possible exposure of pollutants to storm water runoff. Bulk solid materials, raw materials, and construction materials, or supplies stored outdoors will be covered and protected from storm water if pollutants could enter storm water. Materials of concern on the facility include gravel, sand, lumber, topsoil, compost, concrete, metal products, and others.

The BMPs for the outdoor materials storage and handling areas for this facility are as follows:

- Material is stored in one of three ways:
 - On a paved surface with a roof or covering so that no direct rainfall contacts them, and with appropriate berms or runoff controls to prevent run-on of storm water.
 - On a specially constructed paved area with a drainage system with a slope to minimize water pooling. Prevent runoff and run-on with berms or curbing along the perimeter. Drainage is directed to treatment facilities or water quality catch basins along the lower edge of the pad.
 - On a paved surface and covered with plastic sheeting, secured with weights such as tires or sand bags. If possible, a mounded or bermed area that will prevent run-on of storm water through the material will be used.
- The parking lot or other surfaces near bulk materials storage facilities will be swept periodically to remove fines that may wash out of the materials.
- Liquid tanks will be kept in a designated area on a paved impermeable surface and within a berm or other secondary containment.
- Hazardous materials will be stored as described in the Hazardous Materials Management Plan and in a manner that ensures storm water protection.
- Outdoor storage containers will be kept in good condition. Containers will be inspected regularly for damage or leaks.
- A portable pumping system will be used that can be moved to accommodate separate containment structures on the facility. Water can then be pumped into a truck or portable temporary holding tank. The water then can be tested and disposed of according to whether any pollutants are present.
- Road salt storage areas are covered.
- Salt truck loading areas are swept regularly to minimize salt laden runoff. Drainage from the salt truck loading area is captured by an onsite basin to minimize salt laden discharges from the facility.

3.6 Waste Handling and Disposal

This section summarizes the preferred storage and disposal practices for some common municipal facility wastes. For many wastes, reusing or recycling is the most cost-effective means to prevent pollution.

The waste handling and disposal procedures for this facility are as follows:

- General shop trash will be kept in a dumpster with the lid closed. The dumpster is kept in a paved area and kept clean by picking up dropped trash and sweeping the area regularly.
- Liquid wastes are kept out of the dumpster and the lid is kept closed to keep storm water out.
- Scrap metal or other materials kept outdoors are covered by a roof or tarpaulin. Scrap parts or other metals are kept in a shed or under a roof out of the rain.
- Waste metal is collected for delivery to a scrap metal dealer.
- Empty drums stored outdoors are sealed to be watertight.
- Hazardous materials or wastes are stored in accordance with the Hazardous Materials Management Plan for the facility and are kept in a covered area or in a locked area.
- Waste oil, antifreeze, spent solvents, and other liquids from vehicle maintenance activities are recycled.
- Spent batteries are disposed of as hazardous waste or returned for reclamation and reuse.

3.7 *Vehicle and Equipment Washing/Steam Cleaning*

Wash water for municipal equipment is discharged to the sanitary sewer and is not allowed in storm drains. Steam cleaning is done on the facility only in an area equipped to capture all the water and other wastes. Steam cleaning wash water is prohibited from storm drains.

The vehicle and equipment washing/steam cleaning BMPs for this facility are as follows:

- Vehicles and equipment are washed only in designated areas
- Wash areas are paved and clearly marked.
- Sumps or drain lines are installed to collect wash water for treatment and discharge to the sanitary sewer; reuse (for repeated washings); or recycle (used elsewhere onsite).
- The wash area is graded or bermed to prevent storm water run on.
- Washing takes place on gravel, grass, or other permeable surfaces.
- Use only biodegradable soaps.
- Equipment and vehicle washing takes place inside a building designed for maintenance or equipment storage. All drains from the wash area are connected to the sanitary sewer and no storm water contacts the area.
- A commercial car wash is used to wash the facility vehicles and equipment.

3.8 *Materials Receiving Areas*

Truck loading and unloading areas are potential sources of potential pollutants when rainfall and run-on contact spilled raw materials, dust, and motor fluids that accumulate in these areas.

The BMPS for the designated loading areas that use an outdoor loading dock are as follows:

- The loading dock area is covered with a roof overhang and a door skirt that fits snugly to both the building door and the truck door.
- Curbs or berms are installed around the loading area to prevent storm water from running on and any spilled material from running off.
- Shipments are inspected for leaked motor fluids, spilled materials, debris, and other foreign materials.

3.9 *Vehicle and Equipment Maintenance and Storage Areas*

Whenever possible, vehicle and equipment maintenance is performed in an indoor garage. Outdoor vehicle maintenance takes place in an area designated for vehicle maintenance.

The following are the selected BMPs for vehicle and equipment maintenance at the facility:

- Equipment will be kept clean so that a buildup of grease and oil will not wash away when the equipment is exposed to rain.
- Vehicle and equipment maintenance areas are paved with concrete wherever possible.
- Drip pans or containers are kept under the vehicles at all times during maintenance.
- Fluids are drained from any retired vehicles kept on-site for scrap or parts. Stored or out-of service vehicles awaiting restoration or service, and vehicles being held for resale are checked periodically for leakage. Drip pans or containers are kept under the vehicles.
- A berm or other runoff controls will be installed to prevent run-on and run-off. Drainage will be directed to a connection to the sanitary sewer system.

Vehicle and equipment storage areas will be operated with some similar precautions:

- Vehicles and equipment will be inspected to identify sources of spills or leaks. Designated facility personnel will perform regular walk-by inspection.
- The equipment yard will be kept clean and clear of debris and litter because any runoff then becomes an illegal discharge to the storm drain.
- Storm drain inlets will be cleaned on a regular schedule and also after large storms. Special attention will be paid to the kinds of potential pollutants that accumulate there as a result of facility activities so that appropriate measures can be taken to control any pollutant sources.
- Improvements to a vehicle or equipment storage areas should grade the area to slope to a longitudinal drain, or install curbs to direct all direct storm water to a single point of discharge to easily visually monitor the storm water discharge. If the vehicle or equipment yard is a large source of oily materials, then the inlet will be fitted with an oil/water separator or oil/grease trap.
- Consistent parking spots will be designated for each vehicle so that if a leak is indicated on the ground, the truck can be identified and repaired.
- A special area will be constructed for the facilities ‘dirtiest’ equipment (tar equipment, asphalt paving equipment, etc.) in order to handle the discharges, leaks, and runoff separately with more intensive BMPs.
- Spills will be cleaned up promptly; using dry cleanup procedures described in Section 3.3.

3.10 Vehicle and Equipment Fueling Areas

Vehicle and equipment fueling areas are designed and operated to minimize the potential for spilled fuel and leaked fluids coming into contact with storm water. Even very small spills, when they happen every day, add up to a lot of fuel in the drainage system.

Fueling areas ideally should drain to a sump. However, if the area drains to a valved-off storm drain or sewer connection, it needs to be pumped out before the valve may be opened during a rainfall.

The following are the selected BMPs for the proper operation of a fueling area at the facility:

- A paved area or concrete slab will be used for the fueling area (concrete is preferred because fuel and oils cause asphalt to deteriorate).
- Gasoline overflows and spills will be cleaned using dry methods as described in Section 3.3. Spills will not be allowed to run off or evaporate, and will not be flushed with a hose. Absorbent material will be used and disposed of as described in Section 3.3.
- Signs will be posted that instruct pump operators not to “top off” or overfill gas tanks.

- Dry cleanup materials will be kept in the fueling area, and employees will be instructed in the proper dry clean up methods described in Section 3.3. Facility personnel will inspect the area every day for gasoline, motor oil, or other fluids that may have leaked.
- Keep temporary fuel tanks in a bermed area that has an impervious lining, such as concrete or a heavy-mil plastic liner.

If the vehicle fueling area is one of the significant sources from the facility, the following fuel area additional design features that may need to be considered:

- Cover the fueling area to prevent rain from falling directly on the area. Install a roof over the fueling island and the area where vehicles park while fueling.
- Storm drain and sewer inlets that drain the fueling area must be equipped with a shutoff valve to keep fuel out of the drain in the event of a spill from the pumps. The valve should be kept closed at all times except during a storm event. Curtail fueling activities when the valve must be open, or use extra precautions to capture any spilled fuel, such as a large drip pan under the vehicle.

The following design features will be incorporated into new fuel area designs:

- The fueling area will be separated from the rest of the yard, both to contain any fuel spill and to prevent clean storm water from running on and contacting accumulated fuel spills and motor fluid leaks. One of the following designs will be adopted:
 - Grade the fueling area to be “mounded or elevated”.
 - Install berms around the area that are high enough to redirect water from a large storm.
- Any storm drain inlets that receive runoff from the fueling area will have a sump (to hold any accumulated liquids for pumping); or will be connected to sanitary sewer lines (after checking to get all the permits the wastewater authority may require).

3.11 Facility Good Housekeeping Activities

The following good housekeeping practices will be implemented on a regular basis:

- Facility clean-up will be completed without water whenever possible, by sweeping or wiping, or washing with as little water as possible.
- Rooftop drains or downspouts will be arranged so they don’t drain directly onto paved surfaces wherever possible.
- The storm water conveyance system will be kept clear of debris and litter to avoid blockage that may cause storm water to back up and to avoid the discharge of illicit materials.

- Storm drain inlets will be cleaned regularly to remove sediment and debris. Inlets will be inspected after each large storm to remove debris; and determine whether additional facility BMPS may be required.
- Catch basins will be cleaned out annually, shortly before the wet weather season.

3.12 Facility and Municipal Construction Activities

This section describes the BMPs to be implemented at the facility for building repairs, remodeling, and minor construction projects that involve an area of disturbance less than one acre in size.

Larger-scale projects, such as the construction of new facilities that disturb greater than one acre of ground must satisfy the requirements of the most recent Ohio EPA Construction Permit (Ohio EPA Permit No. OHC000003). Requirements can be found at (http://www.epa.state.oh.us/dsw/permits/final_constr_GP.html). These require more extensive storm water pollution prevention measures than described here, thus contact must be established with the Trumbull SWCD and Trumbull County Engineers to meet construction project requirements.

The following BMPs will be implemented for minor construction and remodeling activities at the facility:

- Building materials will be stored under cover or in contained areas. Impermeable tarp will be put over piles of wood, or other materials.
- The working area will be kept clean. Wood splinters, paint chips, and other residues will be swept every day; as well as a thorough cleanup at the end of the project.
- Impermeable ground cloths, such as plastic sheeting, will be used during painting.
- Paint buckets and barrels of materials will be stored away from contact with storm water at the end of the work day.
- Paint spills will be treated as a chemical spill and will be captured before it flows to the storm drain. Paint will be cleaned it up promptly using dry methods.
- Water based paint brushes and equipment will be cleaned in a sink connected to the sanitary sewer. Oil-based paint will materials will be cleaned where the waste paint and solvents can be collected to be handled as small quantity hazardous waste - do not pour it to the sink or to a storm drain.
- Tarps or drop cloths will be hung to minimize the spread of windblown materials.
- Sand blasting areas will be controlled to keep particles off of paved surfaces and out of storm drains.

- Excess chemicals will be soaked up with absorbent material or rags rather than allowing them to flow to the storm drains or soak into the soil. If chemicals spill, they will be cleaned up promptly using dry techniques see Section 3.3.

3.13 Storm Water Management: Water Quality Controls

These following features will be added to various parts of the storm water conveyance system on a municipal site to help control potential pollutants in the storm water before it leaves the site:

- Oil-Absorbent Materials - Oils and greases storm water can be removed using oil-absorbent materials to contain oil spills. The absorbent material preferentially absorbs oil, and does not fill with water, so it can be used on storm water with small concentrations of oily materials.
- Permanent floating booms - Installed in storm water ditches to control occasional light surface sheen. When the boom is spent, it is full of oil and is visibly heavier, and floats lower in the water. The booms are inexpensive enough that they may easily be replaced whenever the absorbent is saturated.
- Vegetated Swale or Channel - Plants provide peak flow control by slowing the water and remove some pollutants by encouraging the deposition of sediments and intercepting oily wastes that may be in the water. This control can be retrofitted to an existing storm water conveyance simply by allowing grasses to grow, if it does not interfere with storm water drainage and cause water to back up onto the site.
- Catch Basin Filters - Storm drain inlets or inlet inserts that contains filtration media or other design features to removes particulates and oily wastes from storm water as it enters the storm drain.

4.0 Reporting and Record Keeping Requirements

This document and the facility operations shall be reviewed and updated each permit term to reflect changing site conditions and the effectiveness of the BMPs in the program. All changes to this manual will be documented. A copy of this document and any revisions to the program described herein will be kept onsite at times. A copy of all documentation shall be forwarded to the Co-Permittee representative for inclusion in the Annual Report for the Regional SWMP.

4.1 Annual Site Inspection

The facility manager or a Co-Permittee representative will yearly inspect the municipal site operations before March 1 using the Annual Site Inspection Form provided in Appendix A. The completed form should be kept onsite indefinitely and a copy should be sent promptly to the Co-Permittee representative for the preparation of the Annual Report for the Regional SWMP.

4.2 Non-Storm Water Discharge Visual Inspection

The facility manager or a Co-Permittee representative will inspect the facility for non-storm water (or illicit) discharges once during facility operating hours in each of the following periods: January - March, April – June, July – September, and October-December. A non-storm water discharge visual inspection form is provided in Appendix A. The completed form should be kept onsite indefinitely and a copy should be sent promptly to the Co-Permittee representative.

4.3 Storm Water Discharge Visual Inspection

The facility manager or a Co-Permittee representative will inspect the facility storm water discharges during a storm event during facility operating hours in each of the following periods: January - March, April – June, July – September, and October- December. A storm water discharge visual inspection form is provided in Appendix A. The completed form should be kept onsite indefinitely and a copy should be sent promptly to the Co-Permittee representative.

Figures

Tables

Table 1 - Acceptable Non-Storm Water Discharges

<Insert site or Facility Name here>

Municipal Operations Pollution Prevention/Good Housekeeping Program
Summit County Countywide SWMP

The following are acceptable non-storm water discharges (illicit discharges) only if they are not "significant contributors of pollutants to the MS4":

Water line flushing	Air conditioning condensation
Landscape irrigation	Irrigation water
Diverted stream flows	Springs
Rising ground waters	Water from crawl space pumps
Uncontaminated ground water infiltration	Footing drains
Uncontaminated pumped ground water	Lawn watering
Discharges from potable water sources	Individual residential car washing
Foundation drains	Flows from riparian habitats and wetlands
Dechlorinated swimming pool discharges	Street wash water
Discharges or flows from fire fighting activities	

The following are acceptable occasional incidental non-storm water discharges that are not to be considered illicit discharges (they are not "significant contributors of pollutants to the MS4") from the <insert facility name here> site:

Appendix A

Site Inspection Forms

Facility Storm Water Inspection Checklist for 2008

County Operations Pollution Prevention/Good Housekeeping Program
Trumbull County SWMP

Completed by: _____

Item	Date Completed
Annual Site Inspection	
NON- STORM WATER INSPECTIONS	
January – March Non-Storm Water Visual Inspection	
April – June Non-Storm Water Visual Inspection	
July – September Non-Storm Water Visual Inspection	
October - December Non-Storm Water Visual Inspection	
STORM WATER INSPECTIONS	
January – March Storm Water Visual Inspection	
April – June Storm Water Visual Inspection	
July – September Storm Water Visual Inspection	
October - December Storm Water Visual Inspection	

Promptly forward a copy of this form to Trumbull County Regional Stormwater District when completed. The original should be kept onsite.

Facility Storm Water Inspection Checklist for 2009

County Operations Pollution Prevention/Good Housekeeping Program
Trumbull County SWMP

Completed by: _____

Item	Date Completed
Annual Site Inspection	
NON- STORM WATER INSPECTIONS	
January – March Non-Storm Water Visual Inspection	
April – June Non-Storm Water Visual Inspection	
July – September Non-Storm Water Visual Inspection	
October - December Non-Storm Water Visual Inspection	
STORM WATER INSPECTIONS	
January – March Storm Water Visual Inspection	
April – June Storm Water Visual Inspection	
July – September Storm Water Visual Inspection	
October - December Storm Water Visual Inspection	

Promptly forward a copy of this form to Trumbull County Regional Stormwater District when completed. The original should be kept onsite.

Facility Storm Water Inspection Checklist for 2010

County Operations Pollution Prevention/Good Housekeeping Program
Trumbull County SWMP

Completed by: _____

Item	Date Completed
Annual Site Inspection	
NON- STORM WATER INSPECTIONS	
January – March Non-Storm Water Visual Inspection	
April – June Non-Storm Water Visual Inspection	
July – September Non-Storm Water Visual Inspection	
October - December Non-Storm Water Visual Inspection	
STORM WATER INSPECTIONS	
January – March Storm Water Visual Inspection	
April – June Storm Water Visual Inspection	
July – September Storm Water Visual Inspection	
October - December Storm Water Visual Inspection	

Promptly forward a copy of this form to Trumbull County Regional Stormwater District when completed. The original should be kept onsite.

Facility Storm Water Inspection Checklist for 2011

County Operations Pollution Prevention/Good Housekeeping Program
Trumbull County SWMP

Completed by: _____

Item	Date Completed
Annual Site Inspection	
NON- STORM WATER INSPECTIONS	
January – March Non-Storm Water Visual Inspection	
April – June Non-Storm Water Visual Inspection	
July – September Non-Storm Water Visual Inspection	
October - December Non-Storm Water Visual Inspection	
STORM WATER INSPECTIONS	
January – March Storm Water Visual Inspection	
April – June Storm Water Visual Inspection	
July – September Storm Water Visual Inspection	
October - December Storm Water Visual Inspection	

Promptly forward a copy of this form to Trumbull County Regional Stormwater District when completed. The original should be kept onsite.

Facility Storm Water Inspection Checklist for 2012

County Operations Pollution Prevention/Good Housekeeping Program
Trumbull County SWMP

Completed by: _____

Item	Date Completed
Annual Site Inspection	
NON- STORM WATER INSPECTIONS	
January – March Non-Storm Water Visual Inspection	
April – June Non-Storm Water Visual Inspection	
July – September Non-Storm Water Visual Inspection	
October - December Non-Storm Water Visual Inspection	
STORM WATER INSPECTIONS	
January – March Storm Water Visual Inspection	
April – June Storm Water Visual Inspection	
July – September Storm Water Visual Inspection	
October - December Storm Water Visual Inspection	

Promptly forward a copy of this form to Trumbull County Regional Stormwater District when completed. The original should be kept onsite.

Facility Storm Water Inspection Checklist for 2013

County Operations Pollution Prevention/Good Housekeeping Program
Trumbull County SWMP

Completed by: _____

Item	Date Completed
Annual Site Inspection	
NON- STORM WATER INSPECTIONS	
January – March Non-Storm Water Visual Inspection	
April – June Non-Storm Water Visual Inspection	
July – September Non-Storm Water Visual Inspection	
October - December Non-Storm Water Visual Inspection	
STORM WATER INSPECTIONS	
January – March Storm Water Visual Inspection	
April – June Storm Water Visual Inspection	
July – September Storm Water Visual Inspection	
October - December Storm Water Visual Inspection	

Promptly forward a copy of this form to Trumbull County Regional Stormwater District when completed. The original should be kept onsite.

Facility Storm Water Inspection Checklist for _____ (year)

County Operations Pollution Prevention/Good Housekeeping Program
Trumbull County SWMP

Completed by: _____

Item	Date Completed
Annual Site Inspection	
NON- STORM WATER INSPECTIONS	
January – March Non-Storm Water Visual Inspection	
April – June Non-Storm Water Visual Inspection	
July – September Non-Storm Water Visual Inspection	
October - December Non-Storm Water Visual Inspection	
STORM WATER INSPECTIONS	
January – March Storm Water Visual Inspection	
April – June Storm Water Visual Inspection	
July – September Storm Water Visual Inspection	
October - December Storm Water Visual Inspection	

Promptly forward a copy of this form to Trumbull County Regional Stormwater District when completed. The original should be kept onsite.

Spill/Release Incident Reporting Form

County Operations Pollution Prevention/Good Housekeeping Program
Trumbull County SWMP

1. Date of spill/release: _____
2. Location: _____
3. Time of spill/release: _____ a.m. / p.m.
4. Material spilled/released: _____
5. Amount spilled/released: _____
6. Cause of spill/release: _____

Promptly forward a copy of this form to Trumbull County Regional Stormwater District when completed.

The original should be kept onsite.

7. Description of scene (e.g., type of media contaminated (e.g., soil), distance to storm sewers, if spill/release was contained):

8. Description of clean-up actions taken (e.g., how spill/release was contained (e.g., absorbent pillows), where recovered material was placed, how much material was not recovered, remaining actions to be taken): _____

9. List of offsite emergency responders contacted:

10. List of offsite emergency responders at scene:

11. Action taken to prevent recurrence: _____

12. Signature: _____
Printed Name: _____

Use back of form for additional space as needed. Completed forms should be kept onsite.

Non-Storm Water Discharge Visual Inspection Form
 County Operations Pollution Prevention/Good Housekeeping Program
 Trumbull County SWMP

To be completed during daylight facility operating hours once during each of the following periods: January-March, April-June, July-September, and October-December. Promptly forward a copy of this form to **Trumbull County Regional Stormwater District** when completed. The original should be kept onsite.

Issue Being Evaluated	Yes	No	N/A	Comments (Stains, Odors, Leaks, Trash & Debris)
<u>OUTFALL(S) :</u> Any water flowing?(If YES, define the source):				
Irrigation				
Water line flushing				
Broken water line				
Firefighting activities				
Unknown The connection to the source must be identified and eliminated as soon as possible.				
<u>SITE HOUSEKEEPING:</u> Clean of debris (paper, leaves, etc.)?				
Storm drain inlets clean?				
<u>VEHICLE MAINTENANCE/STORAGE AREAS:</u> Dirt and grease buildup?				
Clean of debris (paper, leaves, etc.)?				
Stains on the asphalt?				
<u>MATERIALS STORAGE AREAS:</u> Are recyclable materials accumulating?				
Are stored drums covered?				
Are oily parts exposed to storm water contact?				

Storm Water Discharge Visual Inspection Form
 County Operations Pollution Prevention/Good Housekeeping Program
 Trumbull County SWMP

To be completed during daylight facility operating hours once during each of the following periods: January-March, April-June, July-September, and October-December. Promptly forward a copy of this form to **Trumbull County Regional Stormwater District** when completed. The original should be kept onsite.

Date: _____ Time: _____

Issue being evaluated	Yes	No	N/A	Comments (Stains, Odors, Color, Leaks, Trash, Debris, etc.)
<u>OUTFALL(S):</u> Clean of debris (paper, leaves, etc.)?				
<u>DISCHARGE WATER (Circle below):</u>				
Turbidity?	Clear	Cloudy	Muddy	
Oil & Grease sheen present?	Clear	Discontinuous	Continuous	
Floating Material present?	No	Yes If yes, describe material:		
Odors present?	No	Yes If yes, describe (i.e. petroleum, sewage, etc.):		
Discoloration present?	No	Yes If yes, describe color:		

Storm Water Discharge Visual Inspection Form
 County Operations Pollution Prevention/Good Housekeeping Program
 Trumbull County SWMP

Issue Being Evaluated	Yes	No	N/A	Comments (Stains, Odors, Color, Leaks, Trash, Debris, etc.)
<u>SITE AREA(S):</u>				
Are stored materials exposed to storm water contact?				
Are oily parts and/or drums exposed to storm water contact?				
Are the loading and unloading areas clean?				
Are areas around containers clean?				
Is the area around the covered salt storage area free of significant salt?				
Is there a buildup of oil and grease in the parking lots or equipment storage areas?				
Are there leaks or stains around drums or aboveground storage tanks?				
Are the drainage swales, catch basins and/or grates clean of debris (leaves, paper, etc.)?				
<u>OTHER OBSERVATIONS:</u>				

Promptly forward a copy of this form to Trumbull County Regional Stormwater District when completed. The original should be kept onsite.

Inspected by: _____

Signature: _____

Annual Site Inspection Form
County Operations Pollution Prevention/Good Housekeeping Program
Trumbull County SWMP

To be completed once each year by March 1 for the Annual Report submittal. Promptly forward a copy of this form to **Trumbull County Regional Stormwater District** when completed. The original should be kept onsite.

Inspector's Name and Title: _____

Date and Time of Inspection: _____

I. STORM WATER MONITORING PROGRAM COMPLIANCE

1. Have 4 non-storm water inspections been performed and documented? Yes/No

If no, indicate reason: _____

2. Have 4 storm water inspections been performed and commented? Yes/No

Give dates: _____
If no, indicate reason: _____

4. Have there been any corrective actions recommended as a result of site inspections? Yes/No

If yes, have the actions been included in updates to the SWPPP/SWMP? Yes/No
If corrective action updates have not been made, indicate reason: _____

II. REVIEW SITE STORM WATER POLLUTION CONTROL PROGRAM (PPGHP)

1. Are there any changes to the site operations/activities? Yes/No

2. Are there any changes to storm water BMPs? Yes/No

3. Are there any changes to potential pollutant sources or activities? Yes/No

4. Are there any changes to storm water program personnel? Yes/No

5. Has employee training been conducted and documented? Yes/No

If no, indicate reason: _____

III. SITE INSPECTION

1. Are preventive maintenance activities being implemented and documented? Yes/No

(catch basins cleaned, parking areas cleaned, etc.?)
If no, indicate reason: _____

2. Are housekeeping activities being implemented (covered trash bins, wipe up drips and spills, Yes/No
place drip pans under leaking vehicles, clean oily parts before storing outside, etc.)?

If no, indicate reason: _____

-
3. Are any special storm water BMPs being implemented (sediment erosion, curbs, spill prevention, etc.)? Yes/No
 If no, indicate reason: _____

4. Have spill prevention and response procedures been implemented, and is spill prevention equipment operational and ready (secondary containment, personnel training, inspection of chemical storage areas, etc.)? Yes/No
 If no, indicate reason: _____

5. Have sediment erosion controls been implemented? Yes/No
 If no, indicate reason: _____

6. Are there any additional storm water controls recommended as a result of the site inspection? Yes/No
 If yes, describe here: _____

IV. UPDATE STORM WATER POLLUTION CONTROL PROGRAM (PPGHP)

1. Have all updates been made to the PPGHP? Yes/No
 If no, indicate reason: _____

V. EVALUATION OF EXISTING BEST MANAGEMENT PRACTICES (BMPs)

Inspect the facility using this list of existing BMPs:

BMP Description	Existing BMP (E)	New BMP	Status (FI, PI NI, NA)	Implementation Schedule
Keep vehicle maintenance areas clean				
Regular pavement sweeping				
Control spills				
Practice proper waste disposal				
Eliminate non-storm water discharges				
Properly store materials to minimize exposure				
Store wastes and recycling materials in proper place				
Cover road salt storage area				
Routinely clean catch basins				
Keep equipment and vehicles clean				

Use drip pans under parked, stored vehicles				
Implement construction BMPs as necessary				
Wash equipment and vehicles in designated areas				
Provide spill protection at the fuel islands				
Cover trash bins				

E = Existing BMP
 FI = Fully Implemented
 PI = Partially Implemented
 NI = Not Implemented
 NA = Not Applicable

From the table above, answer the following questions:

1. Do the existing BMPs appear to be effective in reducing the potential for storm water pollution? Yes/No
 If no, indicate reason: _____

2. Are additional BMPs needed to address sources of pollutants at the site (i.e., more frequent inspections of certain areas of operations, changes in operations, etc.)? Yes/No

If yes, describe the BMPs needed to address sources of pollutants and a time schedule for implementation: _____

General Comments:

Name: _____

Signature: _____ Date: _____

Title: _____