Fire Department Stormwater Training Manual

Scarborough Fire Dept. Primary POC	Scarborough Fire Dept. Secondary POC	Scarborough Stormwater Coordinator
FT Lieutenant	Glen Deering	Stephen Buckley
289-6408	252-2272	730-4407

PURPOSE OF TRAINING

Under the Federal Clean Water Act, Scarborough has a permit that allows for stormwater to be directed to water bodies in the community, provided that specific steps are taken to minimize pollution. This permit is administered by Maine DEP and is referred to as the Maine Pollution Detection and Elimination System (MPDES) MS4 permit. Implementation of these steps is mandatory as a regulated municipality. Municipal Separate Storm Sewer System, or MS4, means a stormwater conveyance that is separated from sanitary sewer systems. The storm sewer system includes roads, curbs and gutters, ditches, storm drains, outfalls, and pipes connecting these features. This training manual is to be used in conjunction with the *Operations & Maintenance Procedures* guide, see guide for more details.

SPILLS: CLEAN UP, RESPONSE, REPORTING & NOTIFICATION

- Stop the source of the spill and contain any liquids, **only when safe to do so!**
- Cover the spill with absorbent material such as Speedy dry, kitty litter, sawdust, or oil absorbent pads.
  - Do not use straw (to cover or absorb spills) or water (to wash away spills)!
  - Clean up all contaminated materials in a timely manner (before it rains).
  - Properly dispose of all contaminated absorbents and materials

- Report spills and/or discharges of hazardous materials (HazMat)/waste immediately to **FT Lieutenant (1st POC) or Glen Deering (2nd POC),** who will be responsible for immediately contacting **Maine DEP** and later contact **Stephen Buckley**.
- HazMat spills involve <u>non-oil</u> <u>spills</u> that pose a threat to human health or the environment, such as chemical releases.
- HazMat spills must be reported to DEP <u>within one hour.</u>

Maine DEP Petroleum Spills: 1-800-482-0777	Maine DEP HazMat Spills: 1-800-452-4664

FLOOR DRAINS

Always	Whenever Possible	Never
- Make sure floor drains are connected to sewer or oil separator or holding tank. - Keep a full spill kit in the vicinity of floor drains in case of spills. Regularly check kits and know their locations. - Maintain a regular schedule for inspecting and cleaning of floor drains, separators and holding tanks.	- Minimize water use or run a dry shop. - Use secondary containment when storing liquids near a drain.	- Never dump chemicals down the floor drains or store hazardous materials near floor drains. - Never connect floor drains directly to the storm sewer or outside environment.

VEHICLE & EQUIPMENT STORAGE

Always	Whenever Possible	Never
- Inspect areas for stains/leaks on a regular basis where vehicles and equipment are stored. - Use drip pans for leaking vehicles (properly dispose of collected fluids), or park leaking vehicles or equipment inside when awaiting maintenance. - Address any know leaks or drips and maintain vehicles to prevent leaks.	- Store vehicles on paved areas, and promptly clean up absorbent materials from leaks or spills. - Sweep areas on a regular basis.	- Never store leaking vehicles over or near a storm drain or near a waterbody.

VEHICLE & EQUIPMENT WASHING

Always	Whenever Possible	Never

• Wash vehicles and equipment in wash bay at Public Works or an approved area connected to a floor drain.
• Discharge all wash water containing additives/cleaning agents to an approved holding tank or sanitary sewer.
• If neither is available contact **Stephen Buckley, Stormwater Coordinator at 730-4407** before discharging outside:
    • To a permeable area or vegetated buffer; and
    • Using **ONLY** a biodegradable, phosphate free soap.
	• Rinse vehicles and equipment in a grassed area outside, before washing inside.
	• Use a commercial care wash for light duty vehicles.
	• Obtain and use drain filter inserts to catch sediments and other pollutants that might enter storm drains as a result of vehicle washing.
		• Never perform engine or undercarriage washing outside**.**
		• Never wash vehicles over a storm drain or near drinking water wells.

VEHICLE & EQUIPMENT FUELING

Always	Whenever Possible	Never
• Fuel carefully to minimize drips to the ground surface • Fuel vehicles at a central fueling station or in a designated and approved area. • When pouring from a fuel can or other mobile container: • Use a funnel or drip pan; and • Choose a level paved surface that is not near a catch basin or water body.	• Know the location of the nearest spill kit	• Never "top off" fuel tanks • Never hose down or bury a fuel spill • Never fuel vehicles near storm drains or water bodies

DE-ICING

Always	Whenever Possible	Never
• Clear snow as soon as possible from driveways, sidewalks, and pathways to minimize the likelihood of ice forming. • Store deicing agents (rock salt or liquid solutions) in closed containers and/or buildings to avoid exposure to the elements and minimize runoff in stormwater or snow melt.	• Use the minimum amount of salt and sand needed to get the job done.	• Never store de-icing agents where they can be exposed to the elements.

DUMPSTERS

Always	Whenever Possible	Never
• Locate dumpsters on concrete or paved areas. • Only use dumpsters for disposal of non-liquids. • Keep lids closed and drains plugged. • Report any damaged or leaking dumpster to Stephen Buckley, Stormwater Coordinator at 730-4407.	• Regularly inspect dumpsters for leaks and to ensure top is closed.	• Never dispose of liquids in dumpster.