

DIRECTIONAL BORING BMPs



LOCAL ORDINANCES REQUIRE PROTECTIVE MEASURES

Mount Pleasant's storm drainage system is designed to collect stormwater from rain events and ultimately convey this runoff into the marshes, creeks and rivers surrounding the Town. Runoff can carry slurry from directional borings into storm drains and then directly into the receiving water bodies. Directional boring fluids can contain potential contaminants such as hydrocarbons, heavy metals, as well as solids.

Care must be taken to ensure that stormwater run off does not harm the quality of our surrounding waters.

A list of potential Best Management Practices (BMPs) applicable to your business is provided. Implementing these BMPs and practicing good housekeeping will help guarantee a safe working environment and clean water.

Local ordinances prohibit the discharge of non-stormwater, chemicals, and materials into the storm drainage system.



Working together
to protect local water
quality *The quality of our waters ...depends on you!*



Town of Mount Pleasant
Stormwater—Water Quality Division

SLURRY MANAGEMENT

BEST MANAGEMENT PRACTICES

- 1. LOCATE INLET POINTS** Locate all nearby storm drain inlets, catch basins, culverts or ditches through which boring mud may enter a waterway. If feasible, pump water through a grassy swale prior to discharge. Block the path to the nearest drain and either divert mud flows or block inlets to pool water away from drains. If another utility is compromised, immediately reinforce protection and contact local authorities.
- 2. MINIMIZE SLURRY FLOWS** Slurry and sediment from boring operations or saw cutting must be confined to the immediate work area by using temporary berms, sand bags or diversion structures. Prevent cars and pedestrians from tracking of slurry off-site.
- 3. REMOVE SLURRY** Remove all slurry and runoff from the boring operation as soon as possible. Remove any slurry collected near storm drain inlets by pumping it to a collection vessel or using a wet/dry vacuum. Slurry entering the drainage system **MUST** be removed immediately.
- 4. TRAIN EMPLOYEES** Train your employees to use proper BMPs.

FOR MORE INFORMATION:
Stormwater—Water Quality Division
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Mount Pleasant's storm drainage system is designed to collect stormwater from rain events and ultimately convey this runoff into the marshes, creeks and rivers surrounding the Town. Pollutants from dewatering operations can be carried into storm drains and then directly into the receiving water bodies. Dewatering discharges can contain potential contaminants such as hydrocarbons, heavy metals, and particularly, sediments.

Proper dewatering techniques will filter water of sediment, oils, and other chemicals, thus preventing these pollutants from entering the surface waters. Care must be taken to ensure that dewatering discharges do not harm the quality of our surrounding waters.

A list of potential Best Management Practices (BMPs) applicable to your business is provided. Implementing these BMPs and practicing good housekeeping will help to ensure a safe working environment and clean water.

Local ordinances prohibit the discharge of non-stormwater, chemicals, and materials into the storm drainage system.

*Groundwater withdrawals, including those from dewatering operations exceeding 3 million gallons in any monthly period, requires a permit from SCDHEC. For more on large volume groundwater withdrawals, Please contact SCDHEC at 803.898.4215



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DEWATERING & WELL POINTS

BEST MANAGEMENT PRACTICES

- 1. REUSE WATER ONSITE** Reuse the water on site for dust control or irrigation to the maximum extent possible.
- 2. CONTROL DISCHARGE** Uncontrolled discharge can cause stream scour and result in sediment runoff in the receiving area. Use a structural BMP like a basin or sump to control flow. BMP design must be based on the anticipated flows from the dewatered area.
- 3. CONTROL SEDIMENT** Discharges with a high sediment load should be pumped through a geotextile filter bag prior to discharge. Other options include pumping through a perforated pipe partially buried in a small pit filled with gravel, or pumping from a bucket placed below the water level using a submersible pump. Proper cleanup and material disposal is required.
- 4. PROTECT INLETS** Storm drains should be protected by sediment barriers/filters or inlet covers. If feasible, pump water through a grassy swale prior to discharge.
- 5. TRAIN EMPLOYEES** Train your employees to use proper BMPs.

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