



Overview of Requirements Under IDDE Ordinance



What Does This Ordinance Cover?

- Stormwater
- Illicit Discharge and Detection Elimination
 - Determining where illegal tie-ins to the municipal stormwater system exist and removing them.
- Best management practices to prevent stormwater pollution



What Is Stormwater?

- When it rains, the water that doesn't evaporate or go into the ground, but collects and runs off from pavement, roof tops and other impervious surfaces.





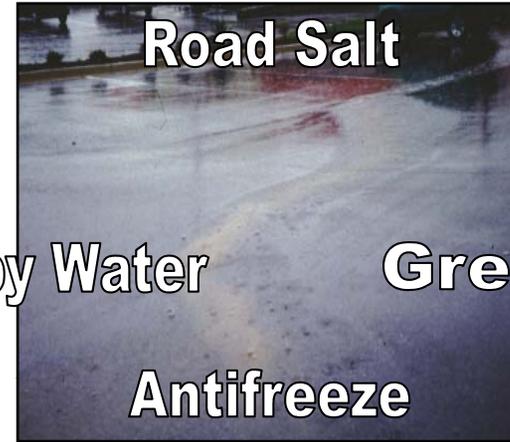
It's Not Just Rain Water



Pesticides

Fertilizers

Animal Waste



Road Salt

Soapy Water

Grease

Antifreeze

Litter

Cigarette Butts



Sand
Soil

Construction Site Erosion



Oil

Gasoline

Chemical Spill Residue



How Does This Affect You?



Makes Eating Local Fish Dangerous



Limits Recreational Opportunities



Increases Flooding



Causes Fish Kills and Algae Blooms



Decreases Reservoir Capacities

Increases Filtration Costs of Drinking Water

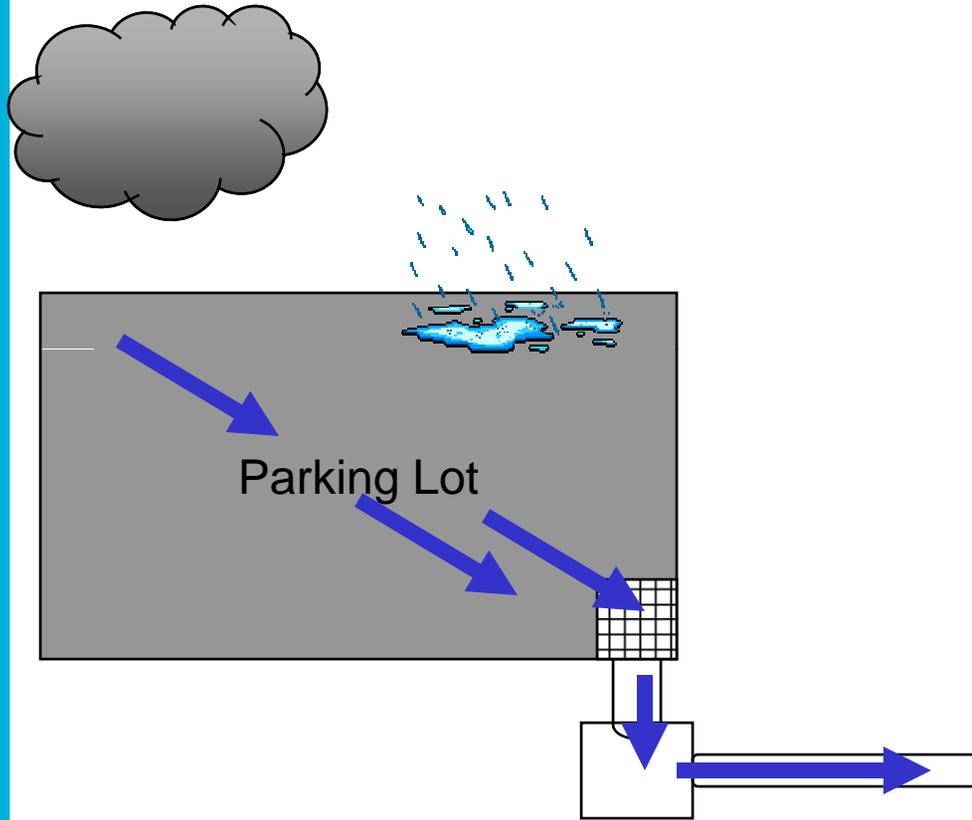


What Is IDDE

- IDDE – Illicit Discharge Detection and Elimination
- Determining if there are illegal connections to the storm drain system and then removing them.



The Municipal Storm Water System





What Are Illicit Discharges?

- Illegal or illicit discharges include but are not limited to:
 - Pipes, drains or ditches that lead to the storm drain system from: sewers, process wastewater, wash water, any connections for indoor drains and sinks (even if previously approved).
 - Any connections to the stormdrain system from a commercial or industrial land use which has not been documented and approved (**How do I know if its been documented?**).

know where
it goes

take simple
steps to reduce
STORMWATER POLLUTION

Evidence Of Illicit Discharges



www.ncdot.org



<http://www.niskayuna.org>



<http://www.clearwater-fl.com>



What Discharges Are Legal?

- Legal discharges include:
 - Uncontaminated waters that run off your site when it rains
 - Wash water from washing vehicles if no soap is used
 - External building washdown when no detergents are used
 - Dechlorinated pool discharges
 - Air conditioning condensate
 - Irrigation drainage
 - Foundation or footing drains, roof runoff and sump pumps where flows are not contaminated.



Trivia – Legal Or Illegal Discharge?

- Indoor sink leading to stormdrain? **Illegal**
- Sump pump used in dewatering basement? **Legal**
- Parking lot runoff that leads to a stormdrain on site? **Legal – As long as its documented and no spills are present**
- Washing machine plumbed to stormwater system? **Illegal**



Is It Legal or Illegal??

When in doubt:

If the water has any chemicals, soap, grease, oil, etc. in it (IT'S NOT JUST WATER) then it shouldn't go down the stormdrain.





What Do I Do If I Have An Illegal Discharge?

- RIDEM?
- Get a plumber to disconnect?
- Any other requirements?



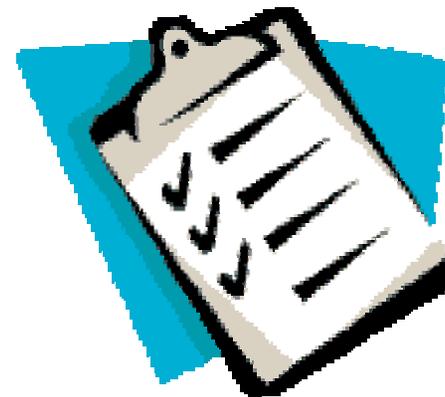
Stormwater and BMPS

- BMPs = Best Management Practices
- Things you do everyday that help reduce pollution from your business.
- Certain ones are now required.



Business Checklist

- Each business should already have a copy.
- Additional copies are available on (Town website).
- Already covered legal/illegal discharge
- The rest of the list:





Storage of Hazardous Materials

- Keep them under cover: inside a building, under a covered area, under a tarp
- Secondary containment
- Storage away from areas where can leak and flow into stormdrains or waterways (near sump pumps for groundwater removal, near stream, wetlands, rivers, etc)



www.thehazmatpro.com



<http://www.shadesheds.com>



<http://store.andax.com>



www.uwm.edu



Hazardous Waste Generators

- Are you in compliance with RI and Federal Regulations?
- Do you have an updated spill response plan?
- Have you trained your employees on what to do if there is a spill?

Hazardous Waste Compliance Workbook For Rhode Island Generators



March, 2002

State of Rhode Island
Department of Environmental Management
Office of Technical and Customer Assistance

<http://www.dem.ri.gov/programs/benviron/waste/>



Do You Have Dry, Cleaning Materials Available?

- Clean spills using dry, cleaning material (saw dust, kitty litter, broom or mop).
- Don't use water to rinse off a spill.



www.anotherurl.com

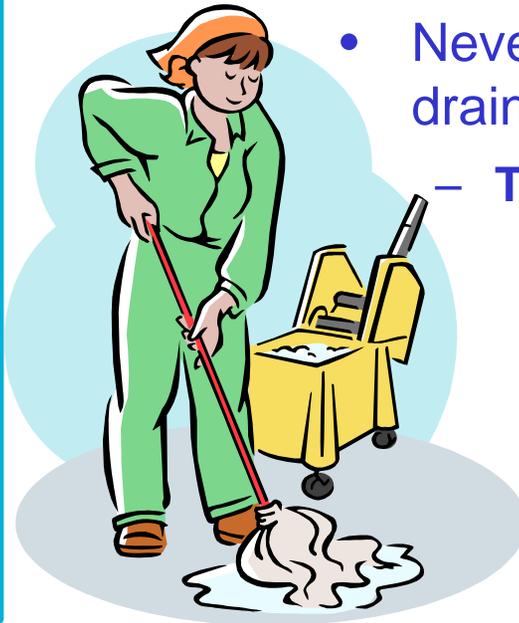


www.sierrascalemodels.com



Cleaning Floor Mats, Filters And Garbage Cans

- Pour wash water from floor cleaning into a mop sink, not outside.
 - Clean floor mats, filters and garbage can in the mop sink .
- Never pour grease and oil down the drain.
 - They can be recycled.





Washing Cars?

- If you use soap, then divert wash waters away from stormdrains.
- Wash the cars somewhere where water can soak into the ground.





Dumpsters

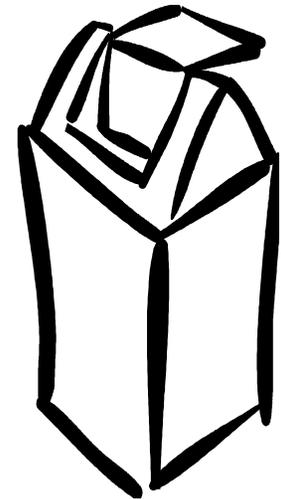
- Keep them covered so they don't fill with water and keep trash in.
- Plug any holes in the dumpster or ask for a new one.





Trash

- Trash leaving the site is your responsibility.
- Have readily available trash cans and empty them regularly.





Water Courses

- Keep any streams, river, ponds, bays, wetlands free of trash, lawn clippings/leaves.





Industrial Permit

- Specific industrial activities must obtain a permit under the Industrial Activity Multi-Sector General Permit.
- Check to see if your SIC code requires you to obtain a permit.
- General categories covered: manufacturing (metals, chemicals, textiles, etc.), auto salvage, marinas, transportation and food processing.

Check RIDEM website (<http://www.dem.ri.gov>) under the RIPDES program (under water resources) for permit information.



Additional Activities

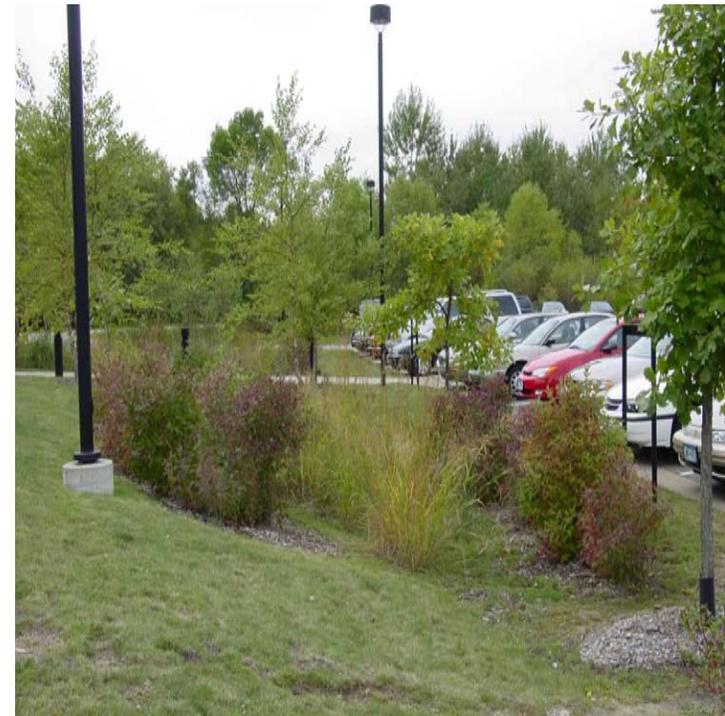
- Pave loading and unloading areas
- Grade away from water courses and stormdrains
- Keep rainwater out so it will not pool at the bottom.





Additional Activities

- Divert roof leaders, foundation drains, air conditioning condensate onto grassy areas.



www.urbanwaterquality.org



Additional Activities

- Use landscaping that needs low – water and low-fertilizer
- Saves both time and money while still looking good all year round.





Be In Business for the Blackstone



- If your business is in the Blackstone river watershed: (Burrillville, Glocester, Smithfield, Lincoln, Cumberland, Central Falls, Pawtucket and Woonsocket) then participate in the “In Business for the Blackstone” program.
- Participating businesses get public recognition.
- Contact:
Peter Coffin (508-753-6087) info@zaptheblackstone.org or www.zaptheblackstone.org