



# 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.





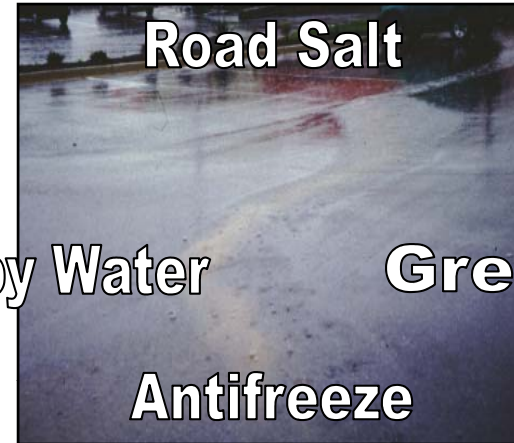
# It's Not Just Rain Water



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**

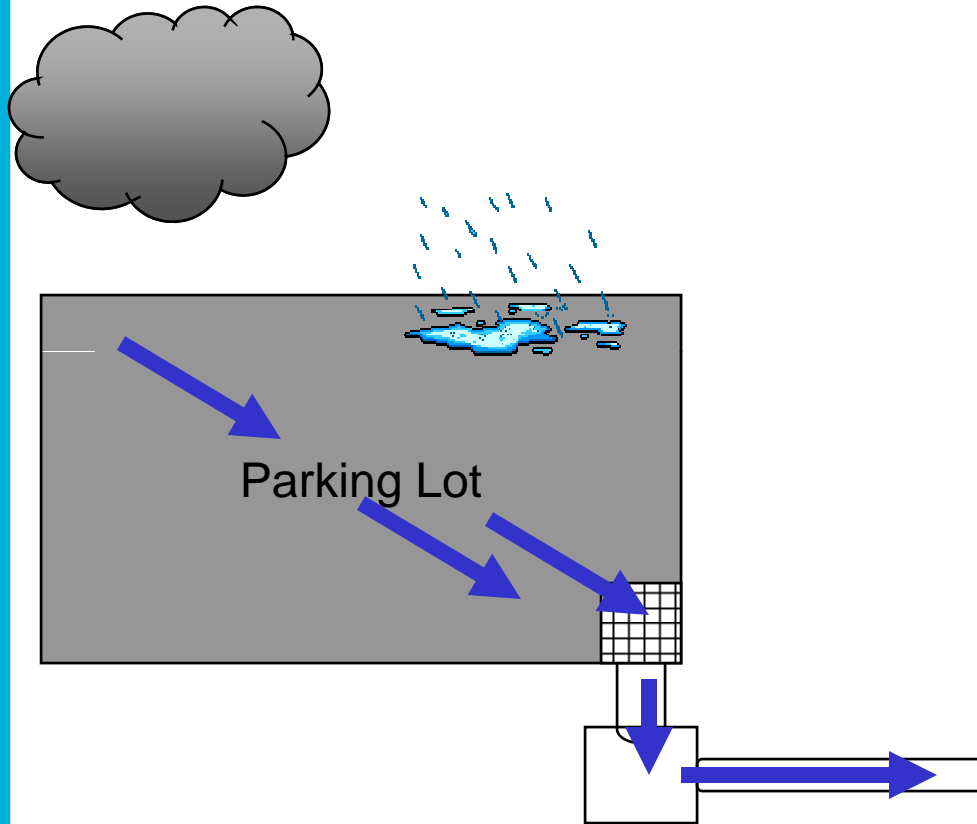


# What Is IDDE

- 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?).





# Evidence Of Illicit Discharges



[www.ncdot.org](http://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.thehazmatpro.com)



<http://www.shadesheds.com>



<http://store.andax.com>



[www.uwm.edu](http://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](http://www.anotherurl.com)



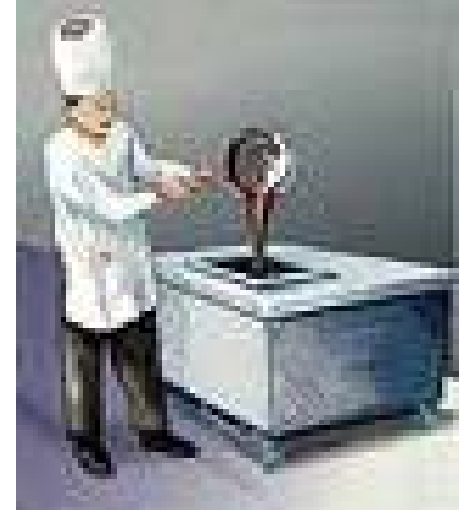
[www.sierrascalemodels.com](http://www.sierrascalemodels.com)





# 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

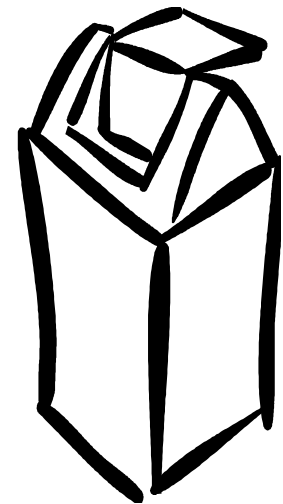
- Keep them covered so they don't fill with water and keep trash in.
- Plug any holes in the dumpster or ask for a new one.





# 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

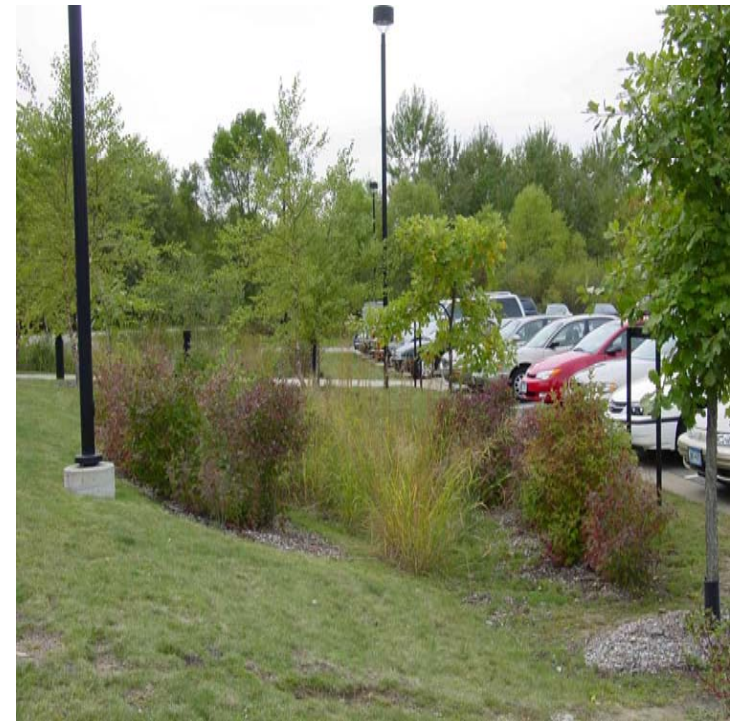
- Pave loading and unloading areas
- Grade away from water courses and stormdrains
- Keep rainwater out so it will not pool at the bottom.





## Additional Activities

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



[www.urbanwaterquality.org](http://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](mailto:info@zaptheblackstone.org) or [www.zaptheblackstone.org](http://www.zaptheblackstone.org)