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.

http://www.oceanservice.noaa.gov/education/kits/estuaries/media/supp_estuar09c_pathogens.html
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
- Chemical Spill Residue
- Gasoline

www.ristormwatersolutions.org
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

Parking Lot
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 storm drain 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.niskayuna.org

http://www.clearwater-fl.com

www.ristormwatersolutions.org
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/illega 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)
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/

www.ristormwatersolutions.org
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.
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