



STORM WATER MANAGEMENT

The University of Michigan
Occupational Safety & Environmental Health
The University of Michigan - Dearborn
Public Safety & Environmental Health

Did You Know?

- All drains outside of buildings in Dearborn flow directly to the Rouge River without treatment.
- The University of Michigan-Dearborn (UMD) in conjunction with the University of Michigan (UM) has a storm water discharge permit.
- Discharges to the storm water system must be properly managed.

NPDES & SWMP

- UM has a National Pollution Discharge Elimination System (NPDES) permit for storm water discharged from the campus and UMD has been incorporated into the permit
- A Storm Water Management Plan (SWMP), including UMD, as part of the permit to regulate storm water discharges
- BMPs are part of the SWMP at UM & UMD.

Sewer Systems

- Sanitary Sewers

- Drains located inside buildings (sinks, floor drains, etc)
- Collects wastewater generated in homes, laboratories, offices, businesses, etc.
- Treated at the City of Detroit WWTP prior to discharge to the Detroit River.

Sewer Systems

- Storm Water Sewers
 - Drains along road or in parking lots
 - Designed to prevent flooding
 - Collects water from parking lots, roadways, etc.
 - No treatment prior to discharge to Rouge River
- Combined Sewers
 - Some small towns still have these systems
 - Sewage can overflow to river during storm

Why Worry?

- Campus storm drains discharge directly into the Rouge River.
- The Rouge River is a vital part of our ecosystem.

What can go to the Storm Drain?

- Rain water
- Snowmelt

What can go to the Storm Drain?

- Under the storm water permit, the following can be discharges as long as best management practices are followed:
 - Uncontaminated ground water
 - Surface water flow
 - Discharge from drinking water sources (drinking fountains)
 - Irrigation runoff

What can go down the Storm Drain?

- Also water from:
 - Foundation drains, air conditioning condensate
 - Non-commercial car washing, residential swimming pools, and other de-chlorinated pool water
 - Fire fighting & water line flushing

Keep These Items Out!

- Paint
- Sediment
- Motor vehicle fluids
- Grass clippings, leaves, other yard waste
- Animal waste
- Fertilizers

What Can I Do to Help at Work?

- Ex: Campus Visitors
 - Make sure visitors are not littering
 - Stop visitors from changing automobile fluids on campus
 - Remind visitors to clean up after there pet

What Can I Do to Help at Home?

■ Car Washing

- Use a commercial facility (waste water is treated)
- At home: Wash on grassy area (waste water is filtered through ground)
- Recycle unused paints and paint-related products, automobile fluids, etc.
- Clean up after your pet
- Don't over use pesticides and fertilizers