

## 2009 Storm Water Permit Annual Progress Report Tabel 21 - City Port Huron

### **Public Education**

#### Catch Basin Marking

- All new catch basins are required to have castings that say "DUMP NO WASTE" and trout logo. 67 new catch basins in 2009
- Water Quality tabletop display w/ SEMCOG tip cards, duration of 70 days

#### Support Earth Fair and River Day Events

- 3 staff participated in Earth Fair
- 2 staff provided WWTP tours for River Day
- Advertised River Day on municipal bulletin board, website and employee email

#### Distribute Brochures

- 30 "A Citizen's Guide to St. Clair County's Watersheds", MOC lobby
- 10 Blue Watershed News, MOC lobby
- "The Story of Drinking Water" pamphlets, Water Filtration Plant (WFP) tours,
- Various educational materials, WWTP tours
- Card holder with 6 different SEMCOG tip cards, MOC lobby

#### Presentations

- Sponsored movie showing of "Liquid Assets", a 90 minute video emphasizing the importance of quality infrastructure and pollution control, 4/23/09.
- WWTP and WFP tours

#### Other Activities

- Annual Water Quality Report, all residents

### **Illicit Discharge Elimination**

#### Mapping

- MS4 outfalls are all currently mapped

#### Investigations

- IDEP continues as part of CSO Separation

#### Corrections

- IDEP continues as part of CSO Separation
- Utilities Division investigates all storm outfalls annually, after large storm events and as needed. 66 outfalls inspected: Dec 15, 2008 – Dec 15, 2009
- Dye testing and sounding is used for investigating downspouts.
- Illicit connections of roof sumps tied to sanitary sewer system at SC4 corrected.

#### IDEP Enforcement Tool

- City enforces local ordinance which prohibits illicit connections of sanitary flow to the storm sewer system and prohibits stormwater from being discharged into the sanitary sewer system

#### IDEP Employee Training

- Staff trained to recognize signs of illicit connections

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### **Pollution Prevention and Good Housekeeping**

#### P2 and GH Employee Training

- MDEQ Industrial Storm Water Operator Certification: 3 engineering and field staff
- Development Practices: All employees trained as appropriate
- MDEQ Construction Site Storm Water Certification: all engineering and construction staff
- Storm Water Workshops Attended by Various Employees:
  - "How to Organize BMPs into Effective Erosion Control Plans for Linear Projects",
  - "Green Infrastructure Webcast Series: Site Planning and Design Considerations"
  - SEMCOG's "Detention Basin Maintenance and Retrofit Workshop"
  - Spill Prevention and Response Training
- The Utilities Division provides a 24 hour/7day a week response to spill notifications. No spills reported this period.
- All employees are trained in "Right to Know", Hazard Communication, and Emergency Contact Plans and to contact the City's Hazardous Material Personnel if they witness or encounter a spill/hazard. Additional training, including HazWopER and Confined Space Training is provided to appropriate city employees.

#### Fleet Maintenance and Storage yards

##### Spill Response and Prevention

- Chemical spill kits, clean up materials and procedural and caution signage posted at the appropriate locations. MSDS sheets are provided for all hazardous material.
- Training above

##### Salt Application and Storage

- Enclosed storage
- 5825 Total tons applied between Oct. 2008 - April 2009 for 46 snow occurrences. 5850 tons applied between Oct. 2007 - April 2008 for 46 snow occurrences. 12 trained staff apply salt.

##### Maintenance Waste Disposal

- All maintenance waste properly disposed of. Records available.

#### Structural Storm Water Control Effectiveness

##### Secondary Containment

- 11 secondary containment systems

##### Storm sewer inspection and maintenance

- Bridge inspection is completed bi-annually which includes inspecting scouring of bridges and any other erosion problems. Storm water outfalls are inspected annually.
- Sumps and hood traps installed on all catch basins for sediment and floatables and inspected regularly. Collection System Operations and Maintenance Report available.

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### Sewer Maintenance

- Schedule: 62,738 feet (11.9 miles) of sanitary and combined sewer and structures cleaned
- Disposal: Sewer cleaning waste dried on covered concrete pad before hauling away
- Approximately 110,000 feet (20.8 miles) of storm sewer and structures cleaned

### Sweeping:

- Schedule: Local, major, and MDOT roadways swept weekly, May- November.
- Disposal: 2,391 cyd of sediment was removed.

### Vegetated Property Management

- Fertilization: Soil test before applying fertilizer, apply low phosphorous fertilizer: 4000 lbs used. 1 staff trained to apply fertilizers.
- Pesticides and Herbicides: Integrated Pest Management (IPM)

### **Construction Controls**

- SCCHD SESC program
- The City maintains special provisions for soil erosion and sediment control and lawn restoration which are available upon request.
- Require SESC permit as part of site plan review

### **Post Construction Controls**

- Storm water design standards in place, Utilities Ordinances
- Site Plan Review: 4 performed in house

### **Voluntary Watershed Planning**

#### Floodplain Management

- Flood Damage Prevention ordinance

#### Implement Financial Solutions

- NOAA grant application submitted April, 2009; no grant monies received

#### Mixed use Zoning

- No mixed use zoning section but allowed on a case by case basis.

#### Low Impact Design

City Planning Commission approved use of Bioretention Systems (Rain Gardens) to be installed by developers in the City.

#### Illegal Dumping Ordinance

- Solid Waste and Recycling Ordinances: prohibits improper disposal of solid waste, recyclables, garbage, wastewater or other noxious material
- Waterways Ordinance prohibits the polluting of all waterways