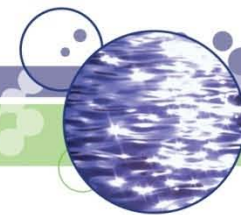


Water Quality Issues



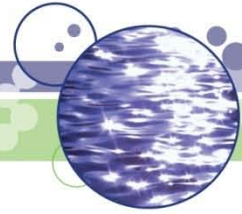
**ORSANCO
TEC Meeting
June 8-9, 2010**



Emergency Response Actions

2/10-5/10

Source Type	Material	Quantity
Marathon pipeline	Hydro test water containing green dye, residual chlorine, fluoride	10,500 gallons
Municipal (City of Madison WWTP)	Sewage sludge from broken line	500 gallons
Trans-Barge (Evansville Marine Services)	Hydraulic oil	Undetermined
Trans-truck	Aviation fuel	Undetermined



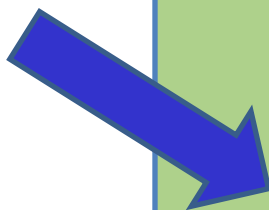
Construction Permits for Sanitary Sewers

Project #	Project Name	Applicant	Applicant Engineer	City	Date
M-19883	Bielby Road Water & Sewer Improvements	Lawrenceburg Utility Board/Charles Davis	Butler Fairman & Seufert, Inc.	Lawrenceburg	04/23/2010
M-19937	Blackberry Ridge	Maxwell Construction	Maxwell Construction	St. Leon	05/13/2010
M-19948	Chester Cove Subdivision	Robert Lynn Company, Inc.	Paul Primavera & Associates	New Albany	05/27/2010
M-19935	Dollar General Store	Town of English	Midwestern Engineers, Inc.	English	05/07/2010
M-19938	Morgan's Ridge, Phase II	Maxwell Construction	Maxwell Construction	Logan	05/13/2010
U-19873	Old Tay Annexation Sewer Project	City of Jeffersonville	Jacobi, Toombs, and Lanz, Inc.	Jeffersonville	02/03/2010
U-19960	Sanitary Relief Force Main/Lift Station No. 1	Town of Newburgh	Commonwealth Engineers, Inc.	Newburgh	05/12/2010
U-19961	Sanitary Relief Force Main/Lift Station No. 2	Town of Newburgh	Commonwealth Engineers, Inc.	Newburgh	05/12/2010
M-19888	Shadewood Place Subdivision	Habitat for Humanity of Evansville	Bernardin Lochmueller & Associates, Inc.	Evansville	04/06/2010
M-19590R	Wasson Lift Station/Millersburg Rd Force Main	City of Boonville	Midwestern Engineers, Inc.	Boonville	02/03/2010



Mulzer Crushed Stone Violations

- Harrison County
 - Aluminum, Manganese
- Crawford County
 - Aluminum, Lead, Manganese
- Clark County
 - Aluminum, Lead, TSS



Rain water collected in 'empty' coal barges pumped into holding barge

gravity fed



Metals in water attach to limestone

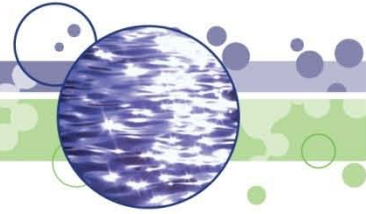


Water collects at other end
pumped into OH River



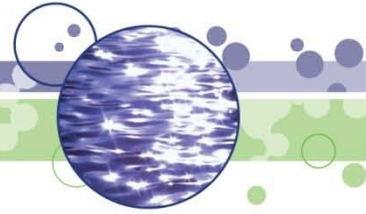
Plan of Action

- No direct discharge to OH River
- Water discharged into treatment pond
- Discharge from ponds go to the River
 - Do not anticipate problems with exceedances on discharge



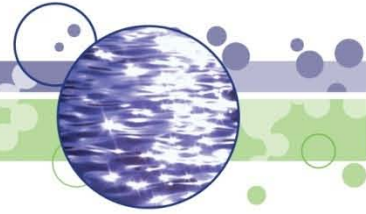
Other Compliance Issues

- PSEG Lawrenceburg Energy Co
 - Mercury violations
 - ❖ Intake water
 - ❖ Internal sources (lab reagents, chemicals)
 - Actions being taken
 - ❖ ID sources of mercury
 - ❖ Undertaken mercury content assessment of process chemicals, lab reagents, facility piping, restriction of mercury containing equipment
 - Assessment of source id and minimization efforts to be completed within next few months



Other Compliance Issues (cont'd)

- City of Madison WWTP
 - Effluent violations and other NPDES noncompliance
 - ❖ cBOD₅, TSS, pH, TRC, *E. coli*
 - ❖ unauthorized by-passes, final effluent samples not taken at proper location
 - Action being taken
 - ❖ Agreed Order with IDEM to include compliance plan



Other Activities

- INDOT's proposal to rehabilitate US 421 Madison/Milton Bridge





Other Activities (cont'd)

JT Meyers Lock
and Dam
rehabilitation in
Posey County

