



U.S. EPA Update - Pretreatment Program

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National Pretreatment & Pollution Prevention Workshop
National Association of Clean Water Agencies (NACWA)
Portland, Oregon

EPA Headquarters Activities Update

- OW - Office of Wastewater Management –
 - Water Permits Division
 - Municipal Support Division
- Office of Enforcement and Compliance Assurance
 - Electronic Reporting Rule
 - DMR Pollutant Loading Tool
 - ECHO State Dashboard

Pretreatment Training Opportunities

“Pretreatment 101” Webinar Series:

<http://www.epa.gov/npdes/training>

New Fall 2012 Offerings:

- Industrial User Permitting Basics
- Industrial User Permitting - Hauled and Trucked Waste

Summer 2013 Offering:

- Industrial User Permitting –
Calculating Permit Limits



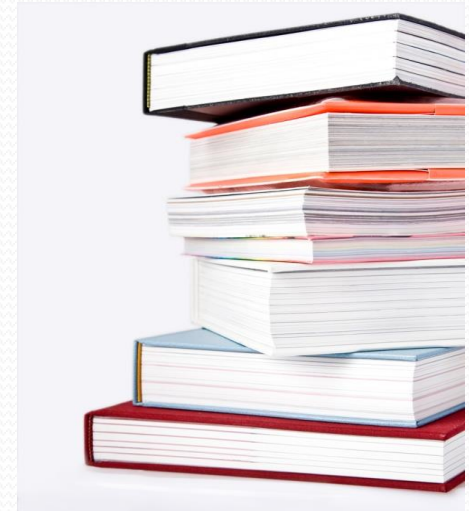
Pretreatment Guidance Manuals

Updates in progress:

- Industrial User Permitting Guidance Manual Appendices
 - *Combined Wastestream Formula and*
 - *Production Based Standards*
- Industrial User Inspection and Sampling Manual for POTWs
 - *Amendment to Appendices*
- Guidance Manual for the Control of Wastes Hauled to Publicly Owned Treatment Works (1999)

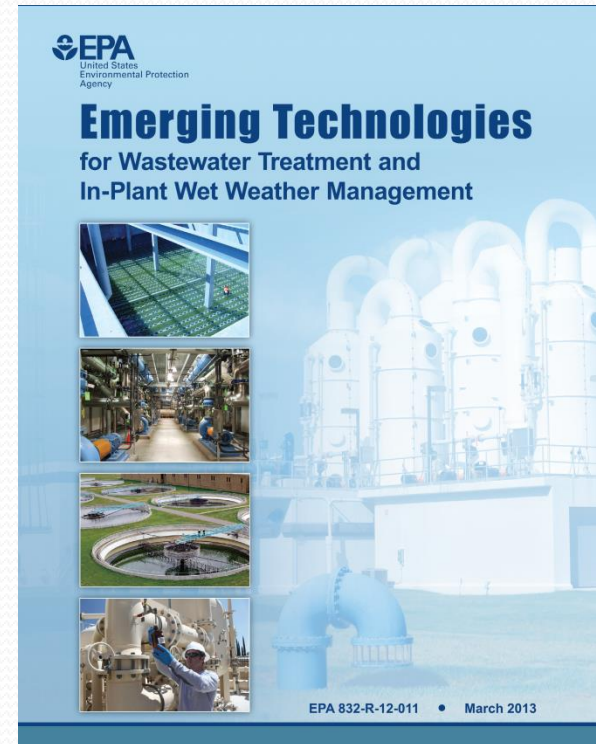
Updating 1983 manuals:

- Procedures Manual for Reviewing a POTW Pretreatment Program Submission
- Guidance Manual for POTW Pretreatment Program Development



Other New Guidances

- Update from 2008 document of the same name
- 4 categories of technology development:
 - research stage,
 - emerging,
 - innovative, and
 - adaptive use.



<http://water.epa.gov/scitech/wastetech/upload/Emerging-Technologies-Report-2.pdf>

Other New Guidances (cont.)

Energy Efficiency for Water & Wastewater Utilities

3 Webinars

- Energy Self-Assessment Tools and Energy Audits for Water and Wastewater Utilities Webinar Presentation (December 2011)
- Innovative Energy Conservation Measures at Wastewater Treatment Facilities Webinar Presentation (May 2012)
- Solar Energy for Water and Wastewater Utilities
 - Step-by-Step Project Implementation and Funding Approaches (October 2012)

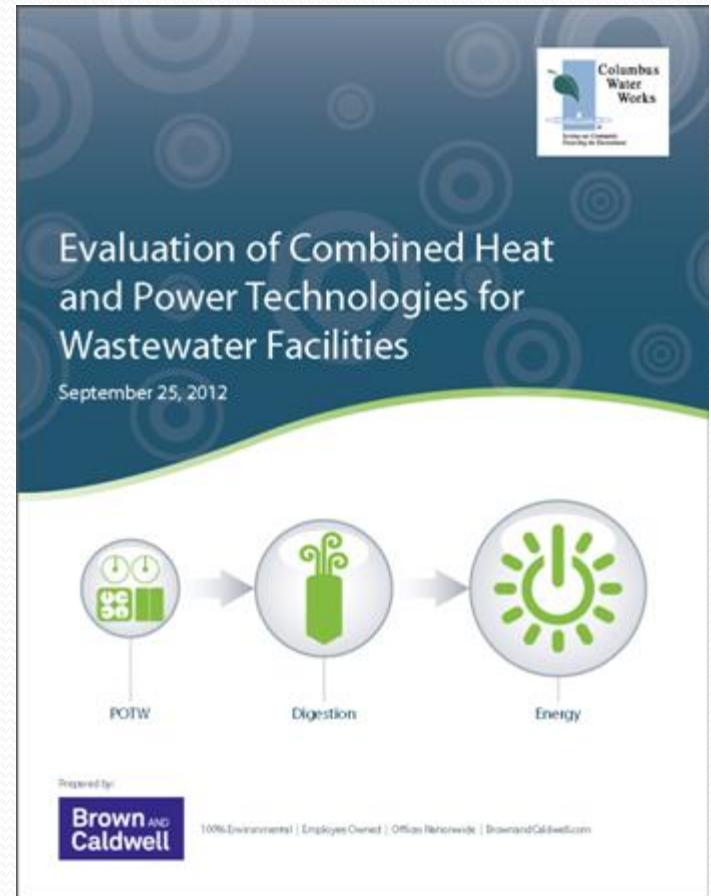
<http://water.epa.gov/infrastructure/sustain/energyefficiency.cfm>

Other New Guidances (cont.)

Energy Efficiency for Water & Wastewater Utilities

5 case studies:

- Joint Water Pollution Control Plant – Carson, CA
- Point Loma Wastewater Treatment Plant, San Diego
- Lancaster Water Reclamation Plant, L.A. Co
- Riverside Water Quality Control Plant
- Sheboygan Regional Wastewater Treatment, WI
- Columbus, Georgia



[http://www.cwwga.org/documentlibrary/300_CHP%20-%20EPA%20\(final\)%20w-Apps.pdf](http://www.cwwga.org/documentlibrary/300_CHP%20-%20EPA%20(final)%20w-Apps.pdf)

Sufficiently Sensitive Methods Rule



Draft Rulemaking Proposed June 23, 2010

- Comments collected until 08/9/2010
- Final Expected ?

Revisions to NPDES Regulations:

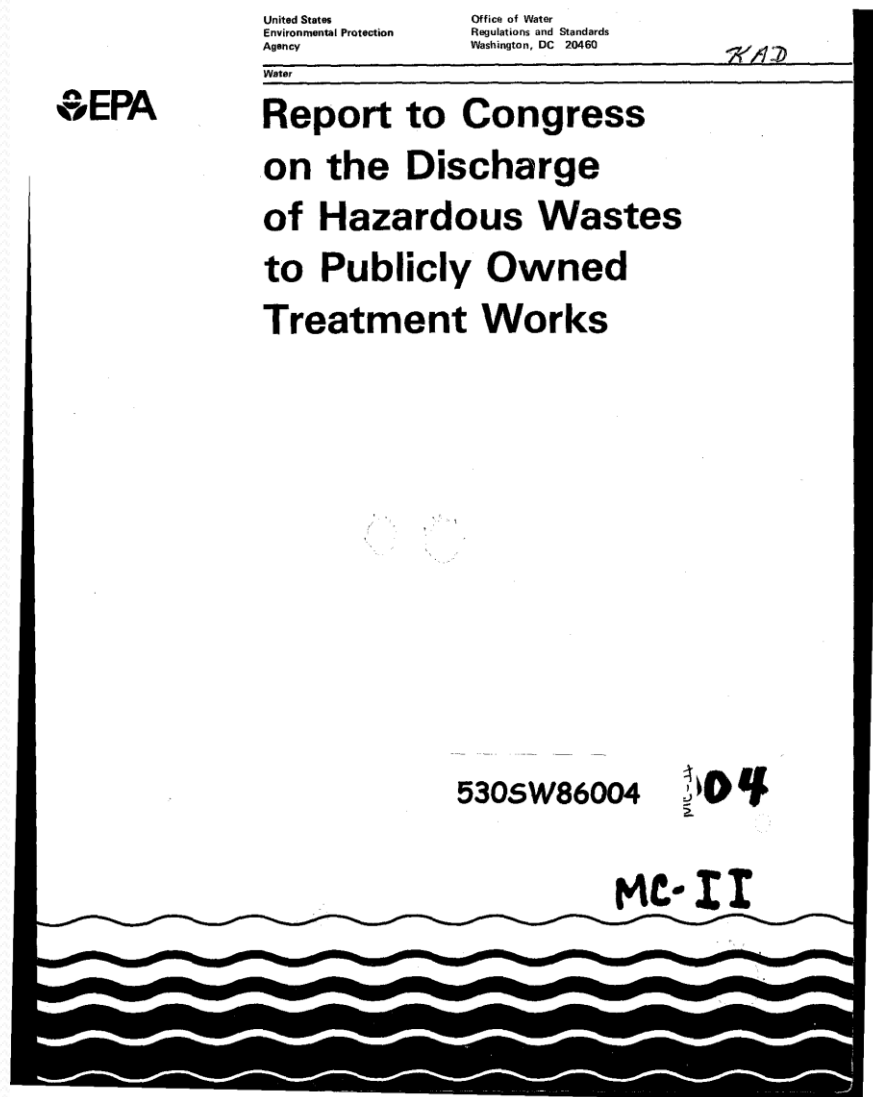
- Application Requirements: 40 CFR 122.41(e)
- Monitoring Requirements for establishing limit standard: 40 CFR 122.44(i)
- Associated Clause in Part 136

www.epa.gov/npdes/regulations/ssmethods_fr_6-23-10.pdf

US EPA Office of the Inspector General: Preliminary Research to Evaluate Hazardous Waste Passing Through Publicly Owned Treatment Works

- Entrance Letter March 13, 2013
 1. Does EPA regulate hazardous waste discharges to and from POTWs?
 2. Do POTWs monitor discharges for hazardous waste?
 3. Has EPA taken actions to address discharges of hazardous wastes to and from POTWs?





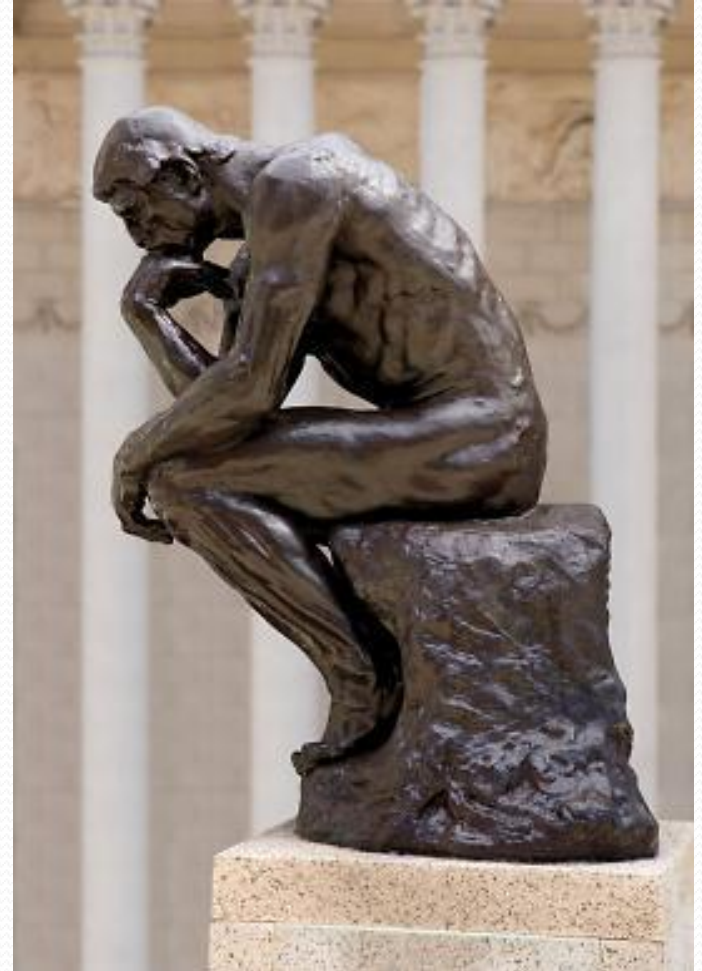
Domestic Sewage Study

- § 3018(a) RCRA
- 40 CFR 261, Domestic Sewage Exclusion
- DSE regulation revisions to 40 CFR 403
- July 24, 2990

Points to Ponder

Do you know which/any of your IUs. . .

- Report under EPCRA to TRI?
 - Emergency Planning and Community Right-to-Know Act (EPCRA)
 - Toxic Release Inventory
- <http://www.epa.gov/tri/>



EPA Geospatial Program

National Geospatial Program | US Environmental Protection Agency - Windows Internet Explorer provided by EPA

http://www.epa.gov/geospatial/

File Edit View Favorites Tools Help

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US EPA National Geospatial Program | US Environmental Prote...

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Advanced Search **A-Z Index**

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Case Type: ☐ Inspections ☒ Violations ☐ Enforcements ☐ Penalties

Map view: ☐ Gray ☒ Terrain ☐ Hybrid

1 2 3 4 5

View all available metrics +

Permit Information [View More +](#)

Active Major Facilities

Year	Active Major Facilities
2008	120
2009	120

Search for Geospatial Data

This tool allows you to search the EPA's Environmental Dataset Gateway (EDG).

Find Data

The term "geospatial" refers to anything that has a geographic location on the earth. EPA's National Geospatial Program coordinates the Agency's geospatial data, applications, policies and programs. This web site provides an overview of EPA's National Geospatial Program including:

- **Basic Information** - A brief overview of the role of the geospatial program at the EPA.
- **Applications** - These applications will allow you to look at maps that contain information about air quality, water quality, hazardous waste and the environment in your neighborhood. Some of these applications are for technical users.
- **Data** - Most of these publicly available data are for technical users and can only be viewed using desktop mapping software such as ArcGIS. These data show locations of environmental interest such as the air quality in the Northeast United States or Superfund sites across the Nation.
- **Grants and agreements** - Many EPA Grants have geospatial components. This page gives you access to general grant resources as well as information about agreements that EPA has with other Federal Agencies.
- **Policies and standards** - These allow EPA to more easily share information within the Agency as well as with other federal, state and local agencies.
- **Related Links** - These are links that provide additional information and resources on geospatial topics.
- **More information about where you live**

EPA Regional Geographic Information Systems (GIS) Web Sites:

- **EPA Region 2** - New Jersey, New York, Puerto Rico, US Virgin Islands
- **EPA Region 4** - Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee
- **EPA Region 6** - Arkansas, Louisiana, New Mexico, Oklahoma, Texas
- **EPA Region 7** - Iowa, Kansas, Missouri, Nebraska

ECHO State Dashboard

Enforcement & Compliance History Online Dashboard:

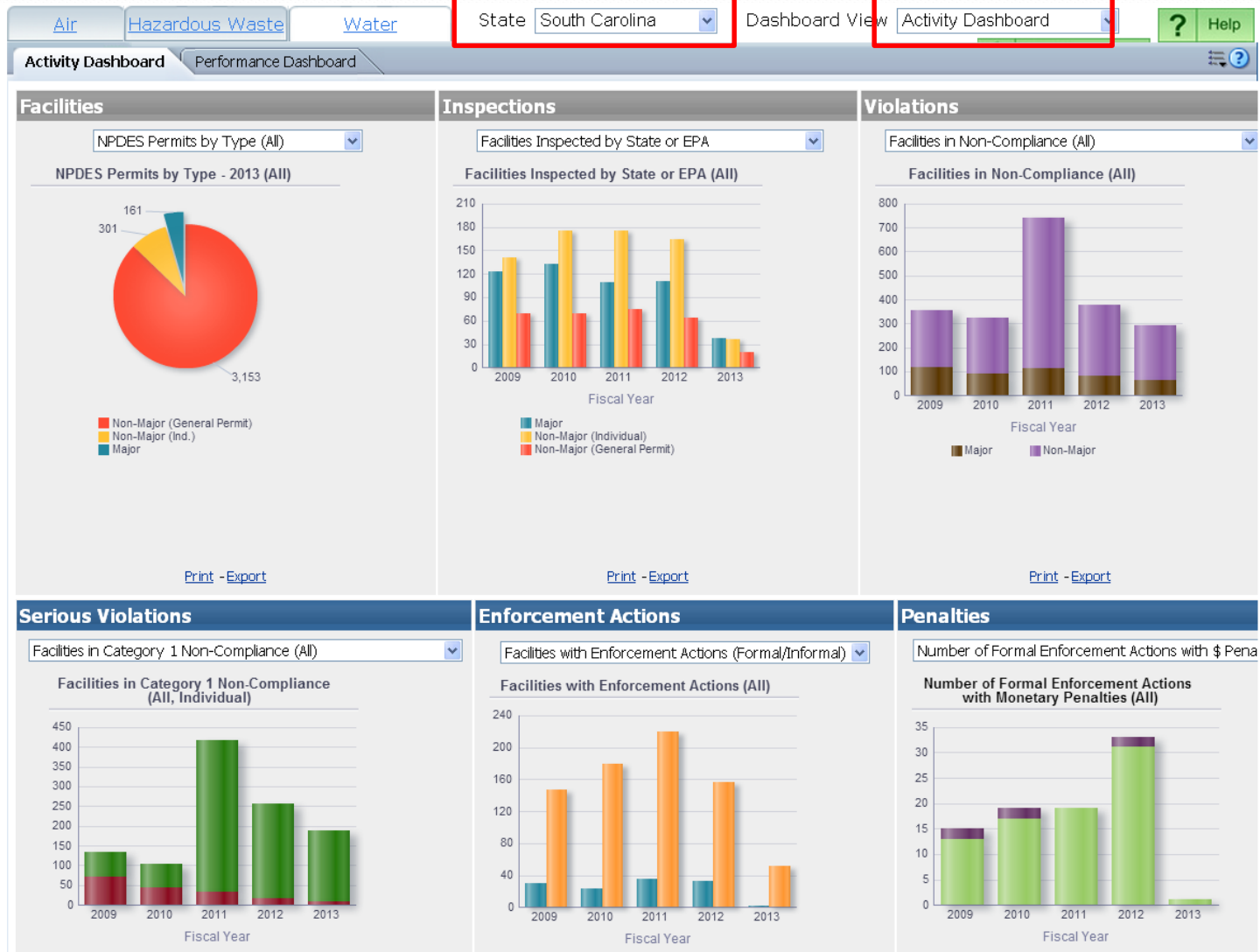
- Interactive mapping tool that presents information about:
 - CWA Permit
 - Compliance Monitoring
 - Violations
 - Enforcement Actions
 - Penalty information
- Users can drill in and download data at the state and national level.

ECHO State Dashboard

<http://www.epa-echo.gov/echo/>

Select state

Multiple view of the data



DMR Pollutant Loading Tool

- Similar to Toxics Release Inventory (TRI) – this new web tool is for CWA point source discharge monitoring data.
 - Who is discharging What and Where
- Calculates pollutant loads (pounds) from discharge monitoring data.

$$\begin{array}{ccccc} \text{Pollutant Discharge} & & & & \\ \text{Concentration} & \text{X} & \text{Flow} & \text{X} & 8.34 \\ \text{(mg/l)} & & \text{(MGD)} & & \text{(Conversion Factor)} \end{array}$$

- Significant implications for:
 - Enforcement targeting and compliance assistance (providing better sense of the importance of effluent discharges and permit limit violations)
 - Public access
 - Effective and timely communication on characterizing point source dischargers
 - Better data for watershed modeling and pollution budgets (TMDLs), developing effluent limits, enhancing EPA Regional and State NPDES program quality, and EPA rulemakings (effluent guidelines)

<http://cfpub.epa.gov/dmr/>

DMR Pollutant Loading Tool (continued)

http://cfpub.epa.gov/dmr/ez_search.cfm

EZ Search

Instructions. Change the criteria in any of the boxes below and click the Search button to retrieve DMR pollutant loadings information.

Select Reporting Year: 2007

1 Location or Watershed

☒ **Nationwide**

☐ **Search by Location**

Zip Code

EPA Region:

OR

State

City

County

☐ **Search by Watershed**

Zip Code

12-Digit HUC

[Find 12-digit HUC on a map](#)

Major U.S. Watersheds:

2 Pollutant

☒ **All Pollutants**

☐ **Specify Pollutant**

Pollutant Name (or partial name)

Chemical Abstract Service Number (CAS)
(without dashes)

☐ **Pollutant Categories**

- ☐ Metals
- ☐ Nitrogen
- ☐ Organic Enrichment
- ☐ Pathogen Indicators
- ☐ Phosphorus
- ☐ Priority Pollutants
- ☐ Solids
- ☐ Temperature

3 Industry

☒ **All Point Sources**

☐ **Publicly Owned Treatment Works (POTWs) Only**

☐ **Industrial Point Sources**

Point Source Category:

2-Digit SIC Code:

OR

Enter a 4-digit SIC Code:

[SIC Code lookup](#)

Industrial Category Rankings

[View EPA's current industrial category rankings](#)

If you would like more detailed information, try the [Advanced Search >](#)

DMR Pollutant Loading Tool (continued)

- **Goal:** To provide greater transparency and utility of DMR data in PCS and ICIS-NPDES.
- Currently the Loading Tool has facility and basic permit data for over 200,000 facilities with additional permit limits and DMR data for approximately 37,000 of these facilities.
- 2 main audiences for this on-line version of the tool:
 - General Public (Concerned Citizens, Researchers)
 - Technical Users (NPDES Permit Writers, Watershed Modelers, Regulatory Agencies, Researchers, Enforcement Targeting)
- Users can also submit error correction requests to state water data stewards for DMR data that appears to be in error.
- EPA is regularly updating this tool to add new data and features. Please contact waterloadings@epa.gov if you would like to make a suggestion.

NPDES Electronic Reporting Rule

This rule will help EPA and states protect the nation's waters.

Goals this rule will achieve include:

- Using 21st Century technology to obtain more accurate, timely, and complete information about the NPDES program;
- Reducing burden of existing paper-based reporting from regulated facilities; results in overall cost savings for those regulated;
- Significantly reducing reporting burden for states due to electronic DMR reporting from facilities;

NPDES Electronic Reporting Rule

Goals this rule will achieve include (continued):

- Giving states increased flexibility to better target compliance monitoring and program resources to the most serious problems;
- Giving the public more complete and improved information about sources of water pollution in their communities; and
- Improving the quality and utility of NPDES program data by ensuring that the information submitted to EPA and the states is timely, accurate, complete, and nationally consistent.

Potential POTW Electronic Reports

- Discharge Monitoring Reports (DMRs)
- Biosolids Annual Program Reports
- Pretreatment Program Annual Reports
- Sewer Overflow and Bypass Event Reports (CSOs, SSOs, Bypass Events)

Additionally, when EPA or State is Control Authority industrial users will electronically submit their biannual compliance monitoring reports [40 CFR 403.12(e) & (h)] to their Control Authority.

Next Steps – Rule Schedule

The proposed rule is currently under review at the White House's Office of Management and Budget(OMB)

- Propose rule in the Federal Register
- Public Comment period
- Promulgate Final rule

Projected date is mid-2014
with a implementation phase over two years.

Next Steps – Implementation Phases

Phase 1 Data (one year after final rule)

- ⦿ Basic facility and permit information, inspections, violation determinations, and enforcement actions data from states;
- ⦿ DMR information from facilities;
- ⦿ Notices of intent to discharge (NOIs), notices of termination (NOT), no exposure certification (NEC), and low erosivity waiver (LEW)] for Federally-issued general permits; and NOIs from facilities covered under CAFO general permits.

Phase 2 Data (two years after final rule)

- ⦿ Program reports from all facilities
- ⦿ General permit covered facilities

Program or Project Contacts

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Any Questions?

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