

U.S. EPA UPDATE - PRETREATMENT PROGRAM

JAN MARIE PICKREL

US EPA, OFFICE OF WASTEWATER MANAGEMENT

MAY 14, 2014

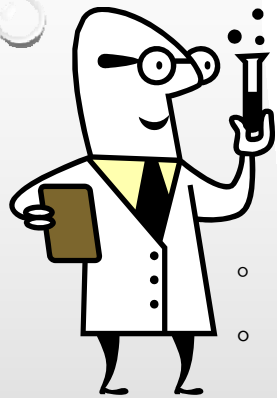
NATIONAL ASSOCIATION OF CLEAN WATER AGENCIES

2014 NATIONAL PRETREATMENT AND

POLLUTION PREVENTION WORKSHOP

MINNEAPOLIS, MINNESOTA

SUFFICIENTLY SENSITIVE METHODS RULE



DRAFT RULEMAKING PROPOSED JUNE 23, 2010

75 FR 35812

- 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

INTEGRATED MUNICIPAL STORMWATER AND WASTEWATER PLANS

TECHNICAL SUPPORT TO DEVELOP AND IMPLEMENT INTEGRATED PLANNING FOR
MUNICIPAL WASTEWATER AND STORMWATER MANAGMENT

- 5 COMMUNITIES
- CONTRACTOR SUPPORT OF APPROXIMATELY \$67,000 PER RECIPIENT [\$335,000 TOTAL]
- 9 MONTH PROJECT TIME

LETTERS OF INTEREST DUE BY JUNE 27, 2014

FOR MORE INFORMATION:

- [HTTP://CFPUB.EPA.GOV/NPDES/INTEGRATEDPLANS.CFM](http://cfpub.epa.gov/npdes/integratedplans.cfm)
- CONTACT: KEVIN WEISS AT IP_TECH_ASSISTANCE@EPA.GOV

PRETREATMENT GUIDANCE MANUALS UPDATES IN PROGRESS:

- INDUSTRIAL USER PERMITTING GUIDANCE MANUAL APPENDICES
 - *PRODUCTION BASED STANDARDS AND*
 - *COMBINED WASTESTREAM FORMULA*
- GUIDANCE MANUAL FOR THE CONTROL OF WASTES HAULED TO PUBLICLY OWNED TREATMENT WORKS (1999)

GENERAL PROGRAM MANUALS

- PROCEDURES MANUAL FOR REVIEWING A POTW PRETREATMENT PROGRAM SUBMISSION
- GUIDANCE MANUAL FOR POTW PRETREATMENT PROGRAM DEVELOPMENT



PRETREATMENT TRAINING OPPORTUNITIES

SUMMER/FALL 2014 POTENTIAL OFFERING(S)

- INDUSTRIAL USER PERMITTING – CALCULATING PERMIT LIMITS
 - PRODUCTION-BASED STANDARDS
 - COMBINED WASTESTREAM FORMULA
- DATE: TO BE DETERMINED



WATER SECURITY AND WASTE MANAGEMENT TOPICS

“FROM DISASTER TO RECOVERY: WASTE MANAGEMENT PLANNING AND RESPONSE”

•[HTTP://WWW.EPA.GOV/SCIENCE/SEPTEMBER2011/WASTEMANAGEMENT.
HTM](http://www.epa.gov/science/SEPTEMBER2011/WASTEMANAGEMENT.HTM)

DECISION SUPPORT TOOLS AND FRAMEWORKS

MODELLING – INCLUDING CONTAMINANT FATE AND TRANSPORT MECHANISMS

RESEARCH ON TREATMENT TECHNOLOGIES

[HTTP://WWW.EPA.GOV/NHSRC/INDEX.HTML](http://www.epa.gov/nhsrc/index.html)

US EPA OFFICE OF THE INSPECTOR GENERAL: EVALUATE HAZARDOUS WASTE PASSING THROUGH PUBLICLY OWNED TREATMENT WORKS

- PRELIMINARY RESEARCH PHASE: MARCH 13 - JULY 23, 2013
- FIELDWORK PHASE:
 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?



Discharge Monitoring Report (DMR) Pollutant Loading Tool

[Overview](#) [EZ Search](#) [TRI Search](#) [Facility Search](#) [Advanced Search](#) [Data Explorer](#) [Everyday Searches](#) [User Guides/Tech Documents](#)

Note: The tool uses discharge monitoring report (DMR) data from ICIS-NPDES and PCS to calculate pollutant discharge amounts. EPA has verified the accuracy of the tool's calculations. EPA has also performed a limited review of the underlying data that has focused on facilities with the largest amounts of pollutant discharges. Due to the large amount of DMR data, additional errors exist in ICIS-NPDES and PCS. Please see the [User Guide](#) (29 pp, 2.6MB), [Frequently Asked Questions and Answers](#), and [Error Correction](#) page for instructions on how to use the tool and how to correct errors in ICIS-NPDES and PCS. You can send an email to waterloadings@epa.gov with any comments or questions about the tool. You can sign up for our [e-mail news bulletin](#) and be notified when new data, enhancements, or training materials are available. The tool also uses wastewater pollutant discharge data from the Toxics Release Inventory (TRI).

Click here....

TRI Search

Instructions. This TRI Search provides quick access to reported wastewater discharges to surface waters (e.g., lakes, rivers, or streams) or to municipal sewage treatment plants (a.k.a. Publicly-Owned Treatment Works or POTWs). The boxes below provide search options to help you determine where discharges are occurring (Location or Watershed Box), what pollutants are discharged (Pollutant Box), and who the dischargers of interest are (Industry Box). Change the criteria in one or more of the boxes below and click the Search button to retrieve the reported TRI releases to surface waters ("direct dischargers") or POTWs ("indirect dischargers"). For more information about how to use this search feature, refer to the [TRI Search User Guide \(PDF\)](#) (8 pp, 1.2MB) or [Frequently Asked Questions and Answers \(FAQ\)](#).

Select Reporting Year:

...then select the year you are interested in.

WWW.EPA.GOV/POLLUTANTDISCHARGES

DISCHARGE MONITORING REPORT LOADING TOOL – LOOKING AT TRI

1 Location or Watershed

☐ Nationwide

☒ Search by Location

Zip Code

EPA Region:

[View EPA regional map](#)

OR

State

City

County

☐ Search by Watershed

Zip Code

Watershed ID (12-Digit HUC)

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

Major U.S. Watersheds:

Only include facilities that discharge:

☐ to impaired waterbodies

☐ pollutants contributing to a waterbody impairment

☐ to counties with ESA-listed aquatic species

2 Pollutant

☒ All Pollutants

☐ Specify Pollutant

TRI Chemical Name(s):

Separate chemical names with a semicolon (;)
[Look up chemical name](#)

Discharges to:

3 Industry

☒ All Point Sources

☐ Specify Point Source

Point Source Category:

Industrial Sector ID (2-Digit SIC Code):

OR

Enter a Industrial Sector ID (4-digit SIC Code):

[SIC Code lookup](#)

Enter a 6-digit NAICS Code:

2-digit NAICS code:

4 Compare to DMR Data

☒ All Facilities

☐ Specify DMR Criteria

[Clean Water Act NPDES Permits](#)

Only include facilities that:

☐ Link to a NPDES permit

☐ Do not link to a NPDES permit

[Reported Discharges](#)

Only include facilities that report discharges:

☐ In both DMR and TRI

☐ In both DMR and TRI *WHERE*

DMR discharges are TRI discharges
by more than %

☐ In TRI only

[Surface Water Impairments](#)

Only include facilities that discharge to surface waters that are impaired for one or more of the same pollutants

☐ Based on DMR data ☐ Based on TRI data

[Effluent Exceedances](#)

Only include facilities with a minimum of exceedences of its NPDES permit, based on DMR data
(e.g., entering a 1 will return all facilities with 1 or more exceedences)

Click here when you're done with you selections.

DISCHARGE MONITORING REPORT LOADING TOOL – LOOKING AT TRI

TRI Search Results

Search criteria:

Reporting Year: 2011 and State: MN and All pollutants and All industries and Only include facilities with discharges to sewage treatment plants but not to surface waters

Search statistics:

	Search Results					Related to Search Results			Search Results With	
	All Facilities	Direct Discharges Only	Indirect Discharges Only	Both Direct and Indirect Discharges	No Reported Discharges	Nationwide	All pollutants	All industries	Link to NPDES Permit	Discharges Reported to TRI and ICIS-NPDES
Facility Counts:	134	0	134	0	0	4,074	134	134	26	0



[View All Facilities](#)

Top Chemicals by Pounds (2011)

Chemical Name	Direct TRI (lbs/yr)	Indirect TRI (lbs/yr)
1,2,4-trimethylbenzene	0	4.56
Ammonia	0	196,531
Chromium and chromium compounds	0	5,696
Copper and copper compounds	0	243
Cumene	0	0.12
Ethylbenzene	0	9.6
Ethylene glycol	0	19,312
Lead and lead compounds	0	202
Manganese and manganese compounds	0	4,686
Mercury and mercury compounds	0	0.54



[Download All Data](#)



[Compare to DMR](#)

Top Chemicals by Toxic-Weighted Pounds (TWPE) (2011)

Chemical Name	Direct TRI (lbs-eq/yr)	Indirect TRI (lbs-eq/yr)
1,2,4-trimethylbenzene	0	0.091
Ammonia	0	218
Chromium and chromium compounds	0	399
Copper and copper compounds	0	153
Cumene	0	0.000405
Ethylbenzene	0	0.013
Ethylene glycol	0	25.8
Lead and lead compounds	0	452
Manganese and manganese compounds	0	328
Mercury and mercury compounds	0	63.2



[Download All Data](#)



[Compare to DMR](#)

DISCHARGE MONITORING REPORT LOADING TOOL – LOOKING AT TRI

Top Facility Discharges in Pounds (2011)

TRI Facility ID	Facility Name	City, State	NAICS Code	HUC-12 Code	Top Chemical	Direct TRI Pounds (lbs/yr)	Indirect TRI Pounds (lbs/yr)
55008TMNDS625SE	TEAM INDUSTRIES-CAMBRIDGE	CAMBRIDGE , MN	336350		Chromium and chromium compounds	0	2
55008TMNDS625SE	<u>TEAM INDUSTRIES-CAMBRIDGE</u>	CAMBRIDGE , MN	336350		Copper and copper compounds	0	1.6
55008TMNDS625SE	TEAM INDUSTRIES-CAMBRIDGE	CAMBRIDGE , MN	336350		Manganese and manganese compounds	0	6
55008TMNDS625SE	TEAM INDUSTRIES-CAMBRIDGE	CAMBRIDGE , MN	336350		Nickel and nickel compounds	0	4.9
55071SHLND100WT	ST PAUL PARK REFINING CO LLC DMR	SAINT PAUL PARK , MN	324110	070102060901	1,2,4-trimethylbenzene	0	4.56
55071SHLND100WT	ST PAUL PARK REFINING CO LLC DMR	SAINT PAUL PARK , MN	324110	070102060901	Cumene	0	0.12
55071SHLND100WT	ST PAUL PARK REFINING CO LLC DMR	SAINT PAUL PARK , MN	324110	070102060901	Ethylbenzene	0	9.6
55071SHLND100WT	ST PAUL PARK REFINING CO LLC DMR	SAINT PAUL PARK , MN	324110	070102060901	Xylene (mixed isomers)	0	24.8
55075TWNCT501MA	TWIN CITY TANNING CO LLP	SOUTH SAINT PAUL , MN	316110		Ammonia	0	79,537
55075TWNCT501MA	TWIN CITY TANNING CO LLP	SOUTH SAINT PAUL , MN	316110		Chromium and chromium compounds	0	576



Download All Data



Browse All Facilities



Compare to DMR

ECHO STATE DASHBOARD

ENFORCEMENT & COMPLIANCE HISTORY ONLINE DASHBOARD:

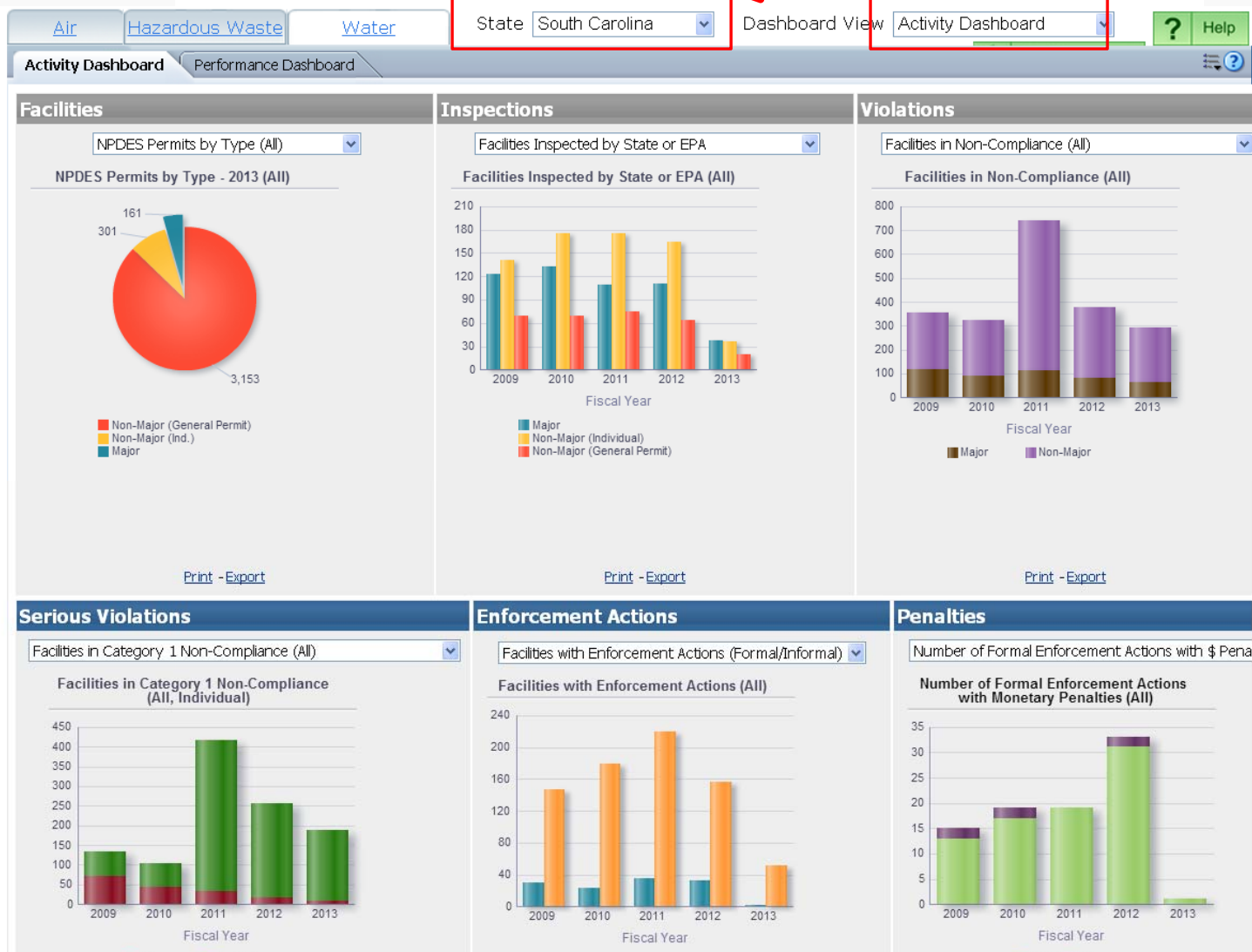
- INTERACTIVE MAPPING TOOL THAT PRESENTS INFORMATION ABOUT:
 - CWA PERMIT
 - COMPLIANCE MONITORING
 - VIOLATIONS
 - ENFORCEMENT ACTIONS
 - PENALTY INFORMATION
- USERS CAN DRILL IN AND DOWNLOAD DATA AT THE STATE AND NATIONAL LEVEL.

ECHO STATE DASHBOARD

HTTP://WWW.EPA-ECHO.GOV/ECHO/

Select state

Multiple
view of
the data



ELECTRONIC RECEIPT OF DATA

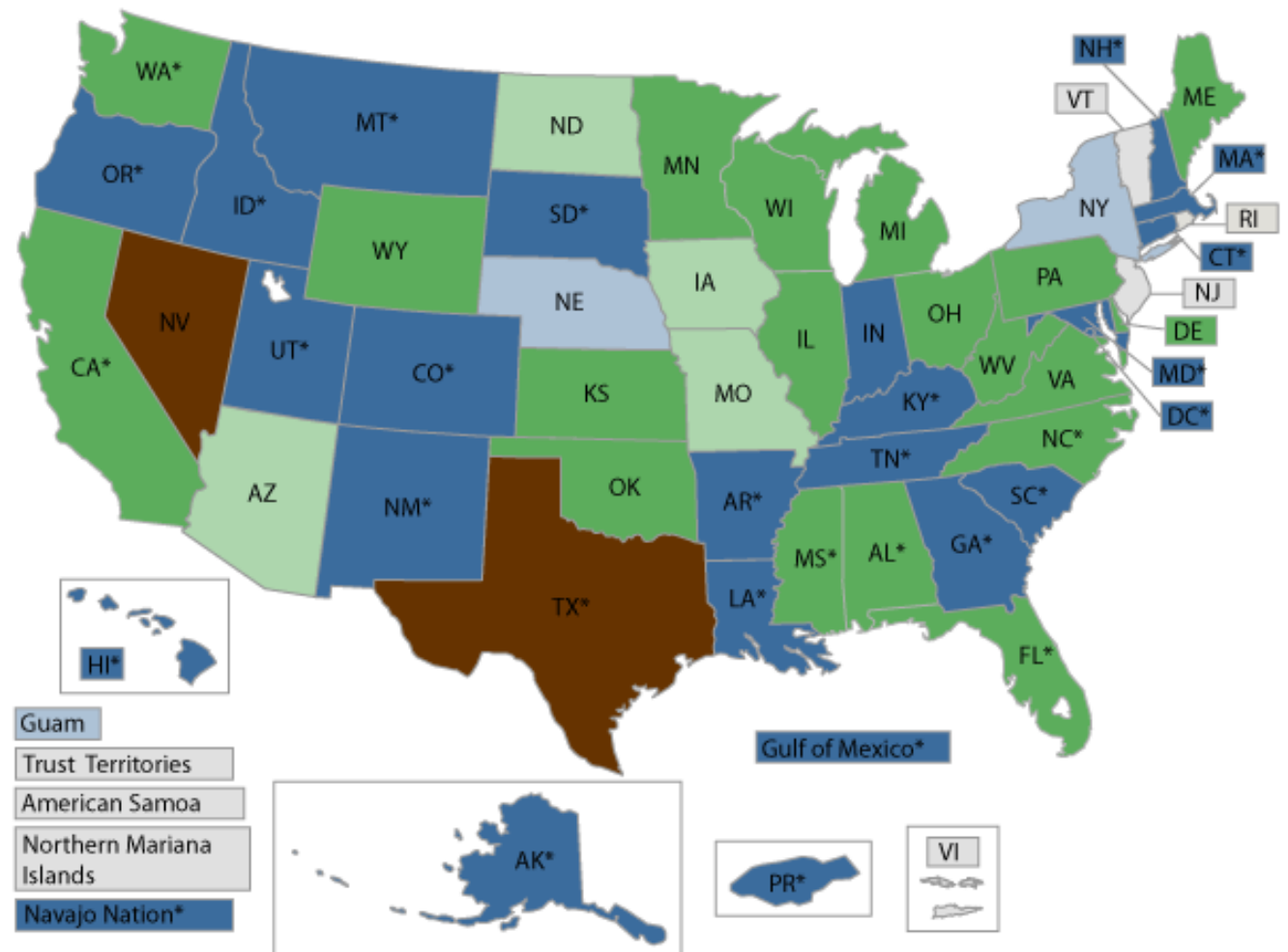
CROSS MEDIA ELECTRONIC REPORTING RULE

- CROMERR [HTTP://WWW.EPA.GOV/CROMERR/](http://www.epa.gov/cromerr/)
- 40 CFR PART 3
- STANDARDS FOR INFORMATION SYSTEMS (INCLUDING ELECTRONIC SIGNATURES)



NET-DMR

[HTTP://WWW.EPA.GOV/NETDMR/](http://www.epa.gov/netdmr/)



* indicates the EPA Region associated with the state is accepting select DMRs for the state through NetDMR. Please mouse over the state to see who can report.

National NetDMR applications can reside either at EPA or in the state.

"National NetDMR" means the application is hosted on EPA servers.

"State NetDMR" means the application is hosted on state servers.

"State e-DMR" means the state has its own electronic reporting software.

SUMMARY

PRETREATMENT IS. . . .

- MORE THAN JUST A WATER PROGRAM: MULTI-MEDIA
- MORE THAN JUST WASTEWATER TREATMENT: PREVENTION
- MORE THAN JUST INSPECTIONS AND AUDITS: TOOLS
- MORE THAN JUST ANALYSES: COMMUNICATIONS

PROGRAM OR PROJECT CONTACTS

Name	Topic Area	Phone	E-mail
Jan Pickrel	Pretreatment	(202) 564 7904	Pickrel.jan@epa.gov
Rebecca Roose	Pretreatment Compliance	(202) 566 1387	Roose.rebecca@epa.gov
Carey Johnston	DMR Pollutant Loading Tool ECHO State Dashboard	(202) 566 1014	johnston.carey@epa.gov
Andy Hudock Carey Johnston	Electronic Reporting Rule	(202) 564 6032 (202) 566 1014	Hudock.andrew@epa.gov Johnston.carey@epa.gov
Bob Bastian	Emerging Technology Energy Efficiency	(202) 564 0653	Bastian.robert@epa.gov
Bill Swietlik	Effluent Guidelines status	(202) 566 1129	Swietlik.William@epa.gov

ANY QUESTIONS?

JAN PICKREL

202-564-7904

PICKREL.JAN@EPA.GOV

