

NPDES Electronic Reporting Rule 40 CFR part 127



CWA-NPDES
electronic reporting

**2019 National NPDES Permit Writers Workshop
19 September 2019**

Overview of Final Rule



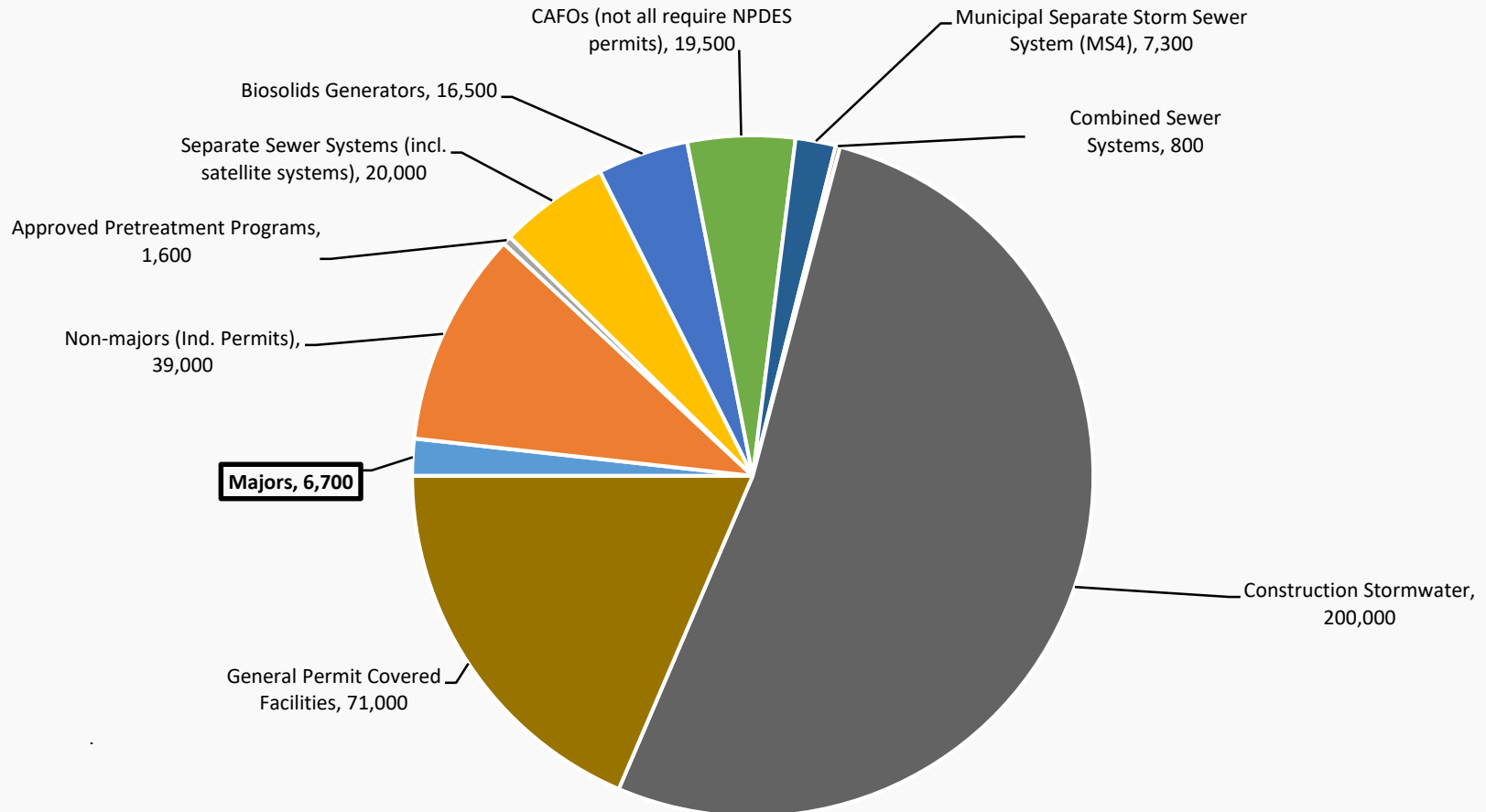
The 2015 NPDES Electronic Reporting rule (NPDES eRule) helps EPA and states clean up the nation's waters by:

- Shifting from paper to electronic reporting.
- Saving time and resources for the regulated community and for states that can be shifted to other program areas.
- Improving transparency, which serves to elevate the importance of data and environmental performance.
- Using technology to obtain more accurate, timely, complete, and consistent information about the NPDES program.



Pretreatment Program Annual Reports in one EPA Region (Region 9, 2009)

Scope of NPDES eRule: NPDES-Regulated Entities



Note: This graph covers all discharge sources except for significant industrial users not under an approved pretreatment program. “General Permit Covered Facilities” category also counts facilities included in other categories (e.g., CAFOs).

Reports and Data for Electronic Submissions



	Existing NPDES Program Reporting	40 CFR
Data from NPDES Permittees	Discharge Monitoring Reports (DMRs) – Phase 1	122.41(l)(4)(i)
	General Permit Reports (NOI, NOT, NECs, LEWs) – Phase 2	122
	Biosolids Annual Program Reports – Phase 1 (EPA only) & Phase 2 (8 states w/ auth.)	503
	CAFO Annual Program Reports – Phase 2	122.42(e)(4)
	MS4 Program Reports – Phase 2	122.34(g)(3), 122.42(c)
	Pretreatment Program Annual Reports – Phase 2	403.12(i)
	Industrial User Compliance Reports in Municipalities Without Approved Pretreatment Programs – When EPA or State is Control Authority – Phase 2	403.12(e) & (h)
	Sewer Overflow/Bypass Event Reports (CSOs, SSOs, Bypass events) – Phase 2	122.41(l)(4), (6), (7), (m)
	CWA 316(b) Annual Reports (Federally Listed Threatened or Endangered Species) – Phase 2	40 CFR 125 Subpart J
Data from States	Require electronic reporting by NPDES-authorized states, territories, tribes, and Regions of <u>program implementation information</u> (permits, inspections, violations, and enforcement actions)	123.41 & 123.43
	Eliminate requirements for the annual state biosolids annual report, semi-annual statistical summary report, phase out state burden for ANCR and QNCR submissions, and rename and modify terms defining Category I and Category II noncompliance to reflect the new data sources	123.45, 501.21



Partnering with States: Implementation

Phase 1 – DMR Submissions & Biosolids Reports (21 Dec 2016)

- EPA will continue to work with states to maintain their data sharing rates above 90% through:
 - Training and assistance for states to implement EPA’s electronic reporting tools and data exchange protocols.
 - Biosolids Annual Program Reports is in Phase 1 where EPA runs the Federal biosolids program (42 states and all territories and tribal lands).

Phase 2 – General Permits and Program Reports (EPA will propose rule to change deadline from 21 Dec 2020 to 21 Dec 2023)

- EPA will continue to work with states to develop electronic reporting tools and data sharing protocols:
 - EPA is collaborating with states to build electronic reporting applications for states that elect to use EPA’s NPDES Electronic Reporting Tool or “NeT.”
 - Collaborating with states on data sharing protocols through the EN NPDES EDT IPT.
 - Collaborating with states on the new NPDES Noncompliance Report (NNCR).

EPA assistance is be provided by grants (e.g., Exchange Network grants) and technical assistance (resources permitting).

EPA-State Collaboration (Implementation Plans)



- The NPDES eRule allows states to determine what electronic reporting tools and systems work best for them.
- EPA does not dictate the electronic reporting tools that a state may use. Rather, EPA sets performance requirements for states that wish to build their own electronic reporting tools.
- States also have the option of using and, if desired, customizing electronic reporting tools developed and maintained by EPA. EPA's electronic reporting tools are: **NetDMR** and **NeT**.
 - NetDMR is an electronic reporting tool for the collection of Discharge Monitoring Reports (“DMRs”).
 - NeT is an EPA managed electronic reporting tool for the collection of all other NPDES program data.
- States document their initial decisions in Phase 2 Implementation Plans. States shared these plans with EPA in December 2016 and these plans are on EPA's website: <https://www.epa.gov/compliance/npdes-ereporting>

Implementing NPDES Electronic Reporting



- EPA and state permit writers should include electronic reporting requirements into newly issued NPDES permits. See 40 CFR 123.25(a)(46) & 127.26(f).

(f) Inclusion of electronic reporting requirements in NPDES permits. All permits issued by the EPA and the authorized states, tribes, or territory NPDES program must contain permit conditions requiring compliance with the electronic reporting requirements in this part, 40 CFR part 3, and 40 CFR 122.22. NPDES-regulated facilities which already have electronic reporting requirements in their permits that meet the requirements in this part, 40 CFR part 3, and 40 CFR 122.22 must continue their electronic reporting to the initial recipient [see §§127.2(b) and 127.27].

- These permit requirements should clearly identify how NPDES permittees should submit their electronic reports. See 40 CFR 122.22(l)(9).
- EPA has model permit language on its website:
 - <https://www.epa.gov/compliance/npdes-ereporting-information-and-resources-authorized-programs>
- EPA and state permit writers also check to make sure that they are collecting the “minimum set of NPDES data” required by the NPDES eRule (see Appendix A of NPDES eRule).

Phase 1 Progress



Federal Biosolids Annual Reports – 40 CFR 503 (EPA Biosolids Center of Excellence, Region 7)



2014
Before Electronic Reporting
(Approximately 2,400 paper submissions)



2017
1st Year of Electronic Reporting
(2,183 electronic submissions with
640 paper submissions)

Phase 1 Progress

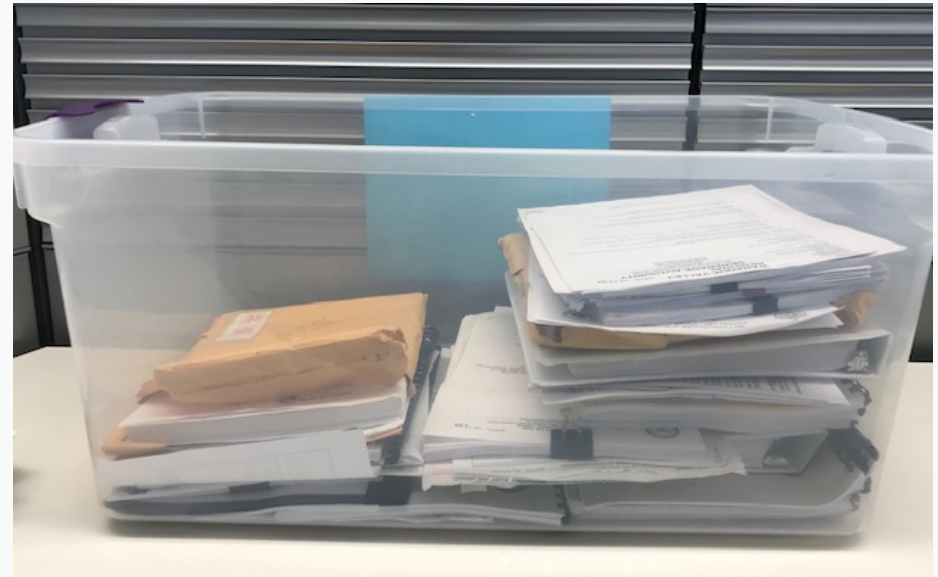


Federal Biosolids Annual Reports – 40 CFR 503 (EPA Biosolids Center of Excellence, Region 7)



2018

2nd Year of Electronic Reporting
(2,245 electronic submissions with
94 paper submissions)



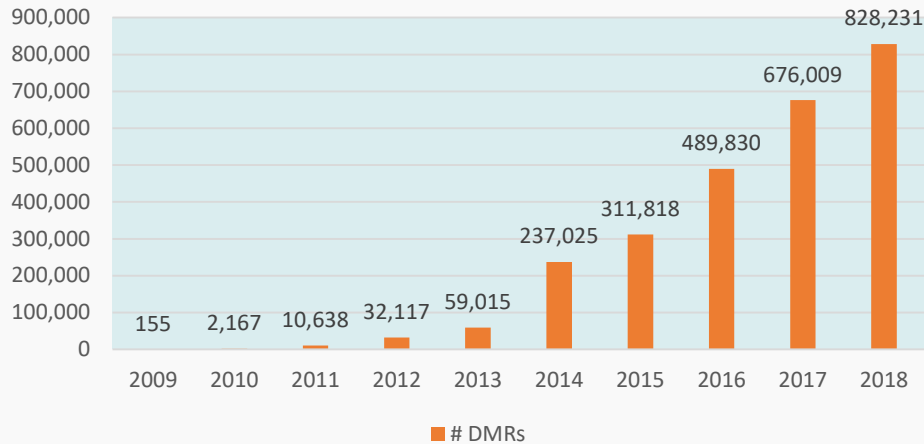
2019

3rd Year of Electronic Reporting
(2,130 electronic submissions with
25 paper submissions)

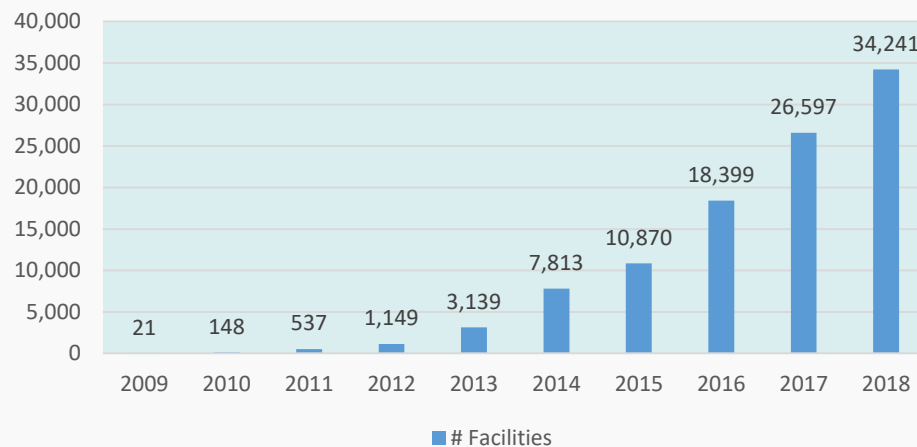
Phase 1 Progress



Number of DMRs Submitted through NetDMR



Facilities with DMRs Submitted through NetDMR

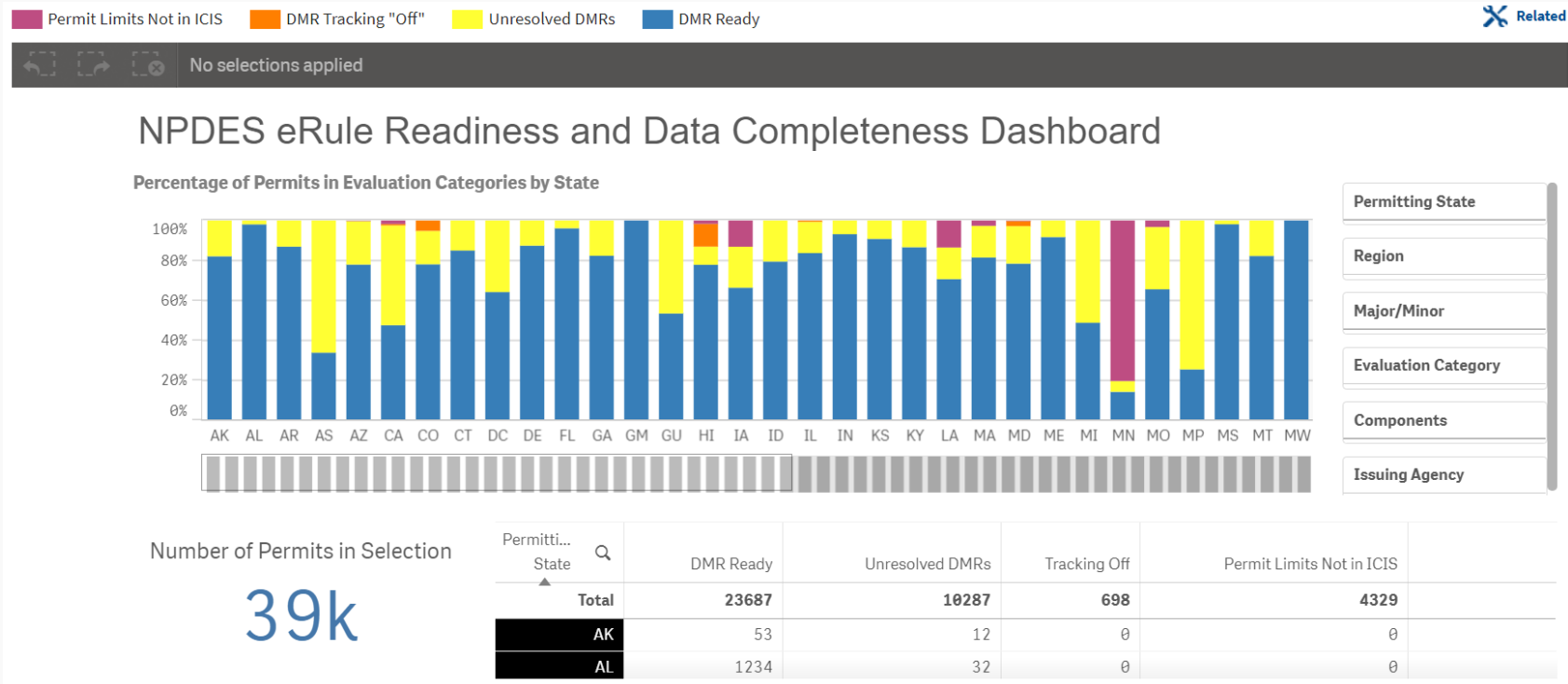


- There is a dramatic increase in the use of NetDMR since promulgation of the 2015 NPDES Electronic Reporting Rule.
- This trend will continue as more and more facilities are trained and registered with NetDMR.
- States are also making tremendous progress in transitioning DMR filers to state electronic reporting tools and sharing these data with EPA.

Phase 1 Progress



Working Goal: 90% Permit Limit Completeness Rate



- First version of dashboard released to states in Nov 2016.
- Now available to public at: <https://echo.epa.gov/trends/npdes-erule-dashboard-public>

EPA-State Collaboration (Technical Papers)



- As part of Phase 2 implementation, EPA and states collaborated via technical workgroups to define the reference values, business rules, and other data standards for the minimum set of NPDES program data (App. A, 40 CFR 127).
- EPA-state technical workgroups include: Biosolids, Pretreatment, Sewer Overflows, Concentrated Animal Feeding Operations, Stormwater (Urban, Industrial, and Construction), CWA Section 316, and General Permits.
- These workgroups produced technical papers that are now posted on the NPDES eRule website.
- EPA and states should use the technical papers as a basis to identify and define the data that must be collected and shared and to support development and deployment of electronic reporting tools and data sharing protocols (XML schemas).

See: <https://www.epa.gov/compliance/npdes-ereporting>

A screenshot of the EPA website's NPDES eReporting page. The page features a blue header with the EPA logo and navigation links for "Environmental Topics", "Laws & Regulations", and "About EPA". A search bar is located on the right. The main content area is titled "Compliance" and includes a sidebar with links to various programs like CAA, CERCLA, CWA, FIFRA, RCRA, SDWA, TSCA, and GLP. The main section is titled "NPDES eReporting" and features a graphic for "CWA-NPDES electronic reporting" with a smartphone icon. Below this is a navigation bar with tabs for "Overview", "Authorized NPDES Programs", "NPDES Permittees and Other Regulated Entities", and "NPDES Help". The main text describes the National Pollutant Discharge Elimination System (NPDES) Electronic Reporting Rule, which modernizes Clean Water Act (CWA) reporting for municipalities, industries, and other facilities. It mentions that the rule was published in the Federal Register on October 22, 2015, and replaces most paper-based NPDES reporting requirements with electronic reporting. A small image of a tablet displaying data is visible in the bottom right corner of the screenshot.

EPA-State Collaboration (Technical Papers)



- EPA recommends that states review the technical papers to better understand the structure of the Phase 2 data and the linkages between program report data elements to permit application data elements.

MS4 Program Public Education Permit Requirements

INSTRUCTIONS: Please provide a status of your MS4 program's public education activities during the reporting period.

Unique MS4 Activity ID	MS4 Program Public Education Delivery	MS4 Program Public Education Subject	MS4 Program Public Education Target Audience	Unique MS4 Regulated Entity Identifier	Additional MS4 Permit Specific Requirements	MS4 Schedules or Deadlines	Compliant with Permit Requirements? (select one)
1.1	<Note: Auto-populated from permit application information>	<Note: Auto-populated from permit application information>	<Note: Auto-populated from permit application information>	<Note: The list of MS4 regulated entities is provided in Section A.>	<Note: Auto-populated from permit application information>	<Note: Auto-populated from permit application information>	<input type="checkbox"/> Yes <input type="checkbox"/> No (please provide more details) <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>If "No," please identify the Unique MS4 Regulated Entity Identifier not complying with this permit requirement (select all that apply):</p> <p>[] – Municipality 001 [] – Municipality 002</p> <p><Note: The list of MS4 regulated entities is provided in Section A.></p>
1.2							
Unique MS4 Activity ID	Summary of Activities Undertaken During the Current Reporting Period that Demonstrate Compliance with this Permit Requirement / Summary of the Proposed Activities Related to Demonstrating Compliance with this Permit Requirement During the Next Reporting Cycle						
1.1	[text box]						
1.2							

- EPA will coordinate with states prior to deploying these program reports.

EPA-State Collaboration (Technical Papers)



- These papers also provide recommendations from the EPA-state workgroups on revised sector-specific violations codes and violation detection from program report data.
- For example, EPA deployed new violation codes for the biosolids sector and these codes should be use by NPDES biosolids programs. EPA's NeT-Biosolids application automatically detects and records violations from the biosolids annual report submissions.
- EPA will coordinate with states prior to any new program report deployment.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	= x v	75.01	Select an Option v
Cadmium	= x v	2	Select an Option v
Copper	= x v	1	Select an Option v
Lead	= x v	4	Select an Option v
Mercury	= x v	5	Select an Option v
Molybdenum	= x v	6	Select an Option v
Nickel	= x v	7	Select an Option v
Selenium	= x v	8	Select an Option v
Zinc	= x v	9	Select an Option v

⚠ At least one parameter concentration exceeded its ceiling concentration limit.

"Facility land applied bulk sewage sludge or sold or gave away sewage sludge in a bag or other container when one or more pollutant concentrations in the sewage sludge exceeded a land application ceiling pollutant limit (see Table 1 of 40 CFR 503.13)" has been checked in the Noncompliance Reporting section.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	= x v	75	Select an Option v
Cadmium	v		A (Failure to Conduct Sampling or Analysis) x v
Copper	= x v	1	Select an Option v
Lead	= x v	4	Select an Option v
Mercury	= x v	5	Select an Option v
Molybdenum	= x v	6	Select an Option v
Nickel	= x v	7	Select an Option v
Selenium	= x v	8	Select an Option v
Zinc	= x v	9	Select an Option v

⚠ At least one parameter was sampled or analyzed in accordance with EPA's biosolids regulations.

"Facility failed to properly collect and analyze its sewage sludge in accordance with the required monitoring frequency and approved analytical methods in order to obtain an accurate and representative sample (including appropriate method holding times) (see permit requirements and 40 503.8)" has been checked in the Noncompliance Reporting section.

NeT-Biosolids Detection of
Pollutant Ceiling Limit Violation

NeT-Biosolids Detection of
Sampling Violation

Phase 2 Implementation with EPA's NeT



- EPA is closely coordinating with 11 states and the U.S. VI as they have elected to use EPA's NeT (i.e., states will not build their own electronic reporting tools).
 - The 12 NPDES programs that will use NeT are: CT, IL, KY (program reports only), MD, ME, MS, NE, RI, SD, TX (program reports only), UT, and VI.
 - This list may change as states adjust their Phase 2 implementation approach.
 - EPA is also coordinating with Regions that have direct implementation responsibilities (MA, NH, NM, tribal lands, some Federal operators, other territories).
- EPA and states sorted these Federal and state general permits and program reports into “industrial categories” and then into “groups,” which are labeled “A” thru “G.”
- EPA is gathering basic information on these general permits and program reports (starting with Group A and then Group B and so on).
- These groups are generally ordered with the most number of NPDES-regulated entities in Group A and the least in Group G.

EPA-State Collaboration (General Permits)



EPA's Phase 2 Implementation Roadmap Categories

Group	General Permit Categories	Technical Paper	Program Report
A	Aquaculture, Stormwater – Construction, Stormwater - Industrial	No. 9	None
B	CAFOs, Domestic Wastewater Treatment Facilities, Groundwater Remediation, Mining and Quarries	No. 2, 5, 6, and 7	Biosolids Annual Report (state auth.), CAFO Annual Report, Pretreatment Annual Report, SIU/CIU Semi-Annual Report, Sewer Overflow/Bypass Event Report
C	Drinking Water Treatment, Non-Contact Cooling Water, Seafood Processing, Stormwater - MS4	No. 8 and 9	MS4 Program Report, 316(B) Annual Report
D	Construction Dewatering, Electric Generating Facilities, Pesticide Application	No. 8	None
E	Hydrostatic Testing, Oil and Gas Extraction, Pools, Spas, and Chlorinated Discharges, Private Households	None	None
F	Logging and Lumber, Miscellaneous Discharges, Temporary Discharges	None	None
G	Minimum Environmental Impact, Sewer Overflows, Vessels, Marinas, and Boatyards	No. 2	Sewer Overflow/Bypass Event Report

EPA-State Collaboration (Program Reports)



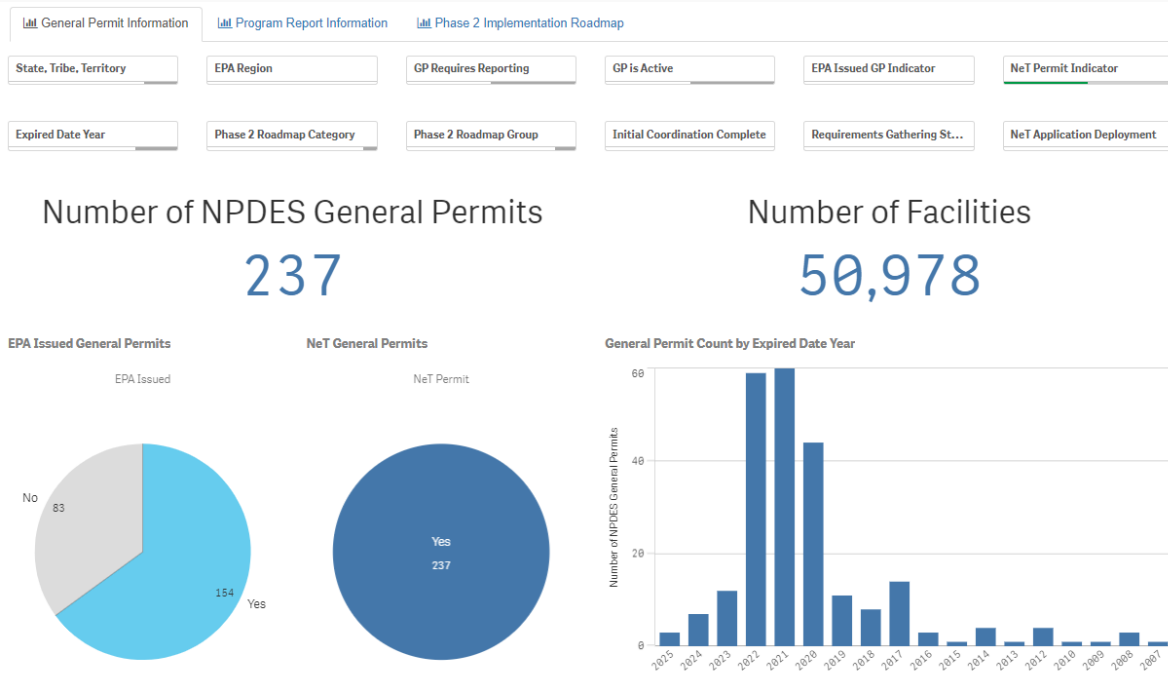
EPA is gathering information from EPA Regions and states regarding the program reports as it gathers information on general permits.

NPDES Data Group	Program Report Title	Authorization (40 CFR)	Technical Paper	Corresponding NPDES eRule General Permit Category
4	Biosolids Annual Program Reports – Phase 1 (EPA only) & Phase 2 (8 states w/ auth.)	503	No. 5	Domestic Wastewater Treatment (Group B)
5	CAFO Annual Program Reports – Phase 2	122	No. 6	Concentrated Animal Feeding Operations (Group B)
6	MS4 Program Reports – Phase 2	122	No. 9	Stormwater - MS4 (Group C)
7	Pretreatment Program Annual Reports – Phase 2	403	No. 7	Domestic Wastewater Treatment (Group B)
8	Industrial User Compliance Reports in Municipalities Without Approved Pretreatment Programs – When EPA or State is Control Authority – Phase 2	403	No. 7	Domestic Wastewater Treatment (Group B)
9	Sewer Overflow/Bypass Event Reports (CSOs, SSOs, Bypass events) – Phase 2	122	No. 2	Domestic Wastewater Treatment (Group B)
10	CWA 316(b) Annual Reports (Federally Listed Threatened or Endangered Species) – Phase 2	122	No. 8	Non-Contact Cooling Water (Group C)

Phase 2 Implementation with EPA's NeT



- The NPDES eRule Phase 2 Implementation Dashboard provides EPA and states with a high level overview of EPA's Phase 2 implementation.
 - This dashboard identifies the general permits and program reports that will use EPA's NeT.
 - This dashboard shows EPA's progress in gathering basic information on NeT general permits and program reports and NeT deployments.

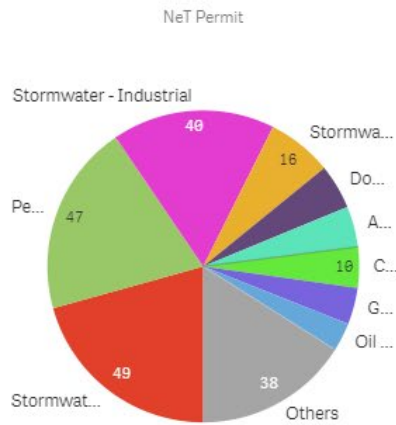


See: https://qlikviz.epa.gov/extensions/eRule_Phase2/eRule_Phase2.html [ECHO Gov log in required]

Phase 2 Implementation with EPA's NeT

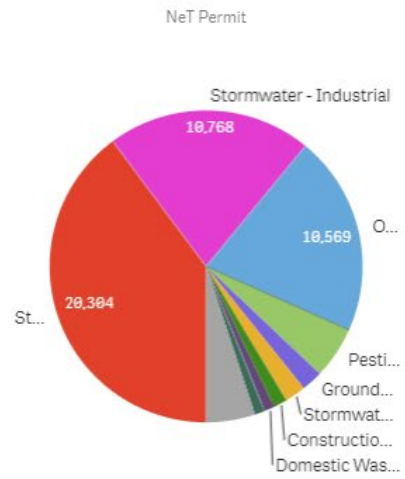


General Permit Counts by Roadmap Category

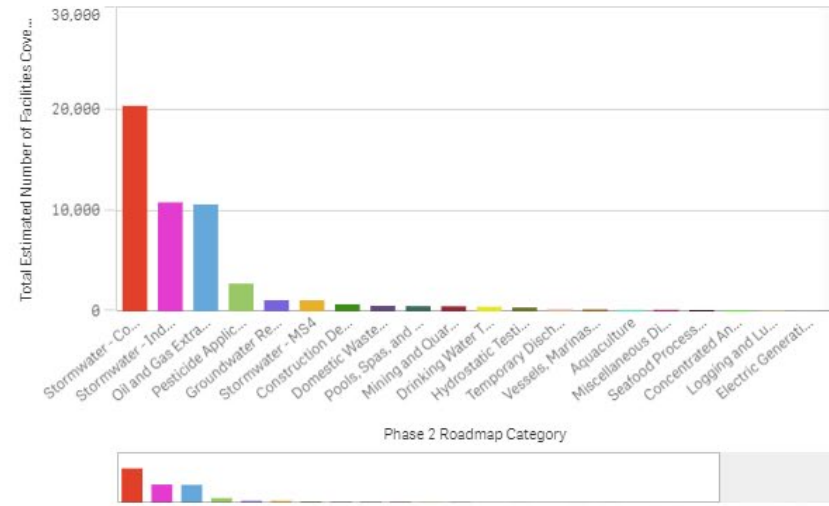


[Export Table](#)

Facility Counts by Roadmap Category



Facility Count by Roadmap Category



Example screenshot from NPDES eRule Phase 2 Implementation Dashboard showing counts of general permits and facilities.

Phase 2 Implementation with EPA's NeT



Export Table

NPDES Permit ID	State, Tribe, Territo...	EPA Region	NPDES Permit Name	Link to NPDES Permit	Link to Electronic Reporting Tool	Issued Date
CTG000000	CT	1	TEMPORARY DISCHARGES	[insert link when available]	[insert link when available]	1/9/2004
CTG87000E	CT	1	IDENTIFIER FOR EPA'S PESTICIDE GENERAL PERMIT FOR DISCHARGES IN INDIAN COUNTRY LANDS WITHIN CONNECTICUT	https://www.epa.gov/npdes/pesticide-permitting	[insert link when available]	10/31/2016
CTG100000	CT	1	POINT SOURCE DISCHARGES TO WATERS OF THE STATE FROM THE APPLICATION OF PESTICIDES	http://www.ct.gov/deep/lib/deep/Permits_an...	[insert link when available]	5/9/2012
CTG200000	CT	1	SWIMMING POOL WASTEWATER	http://www.ct.gov/deep/lib/deep/Permits_an...	[insert link when available]	7/31/2014
CTG300000	CT	1	NITROGEN DISCHARGES	http://www.ct.gov/deep/lib/deep/Permits_an...	[insert link when available]	10/25/2013
CTGP00400	CT	1	DISCHARGE OF STORMWATER ASSOCIATED WITH COMMERCIAL ACTIVITY	http://www.ct.gov/deep/lib/deep/Permits_an...	[insert link when available]	5/15/2017
CTGP01400	CT	1	DISCHARGE OF STORMWATER ASSOCIATED WITH INDUSTRIAL ACTIVITIES	http://www.ct.gov/deep/lib/deep/Permits_an...	[insert link when available]	10/1/2016
CTGP01500	CT	1	DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS ASSOCIATED WITH CONSTRUCTION ACTIVITIES	http://www.ct.gov/deep/lib/deep/Permits_an...	[insert link when available]	5/31/2018
CTGP02100	CT	1	DISCHARGE OF STORMWATER FROM SMALL MS4S	http://www.ct.gov/deep/lib/deep/Permits_an...	[insert link when available]	1/9/2013
CTGRS0000	CT	1	GROUNDWATER REMEDIATION	http://www.ct.gov/deep/lib/deep/Permits_an...	[insert link when available]	2/21/2018
CTGX0000X	CT	1	COMPREHENSIVE GENERAL PERMIT FOR	https://www.ct.gov/deep/lib/deep/permits_a	[insert link when available]	12/14/2017

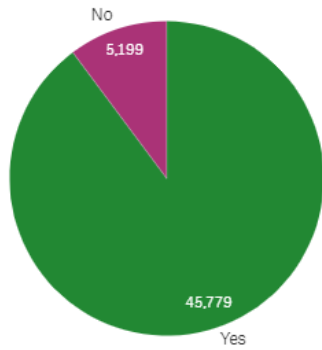
Example screenshot from NPDES eRule Phase 2 Implementation Dashboard showing table of general permits and facilities that will use NeT. Dashboard users can download this list.

IMPORTANT: Please send any updates to Carey Johnston (johnston.carey@epa.gov)

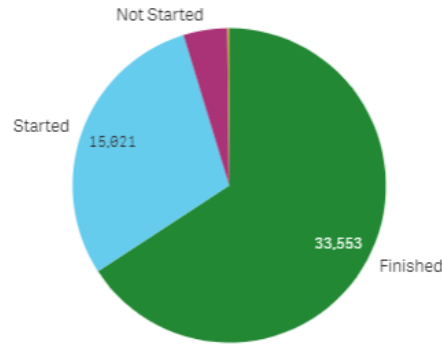
How to keep track of our progress



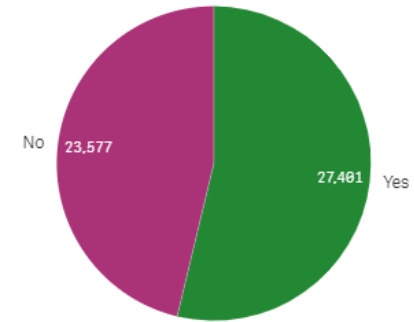
Estimated Facility Counts - Initial Coordination Complete



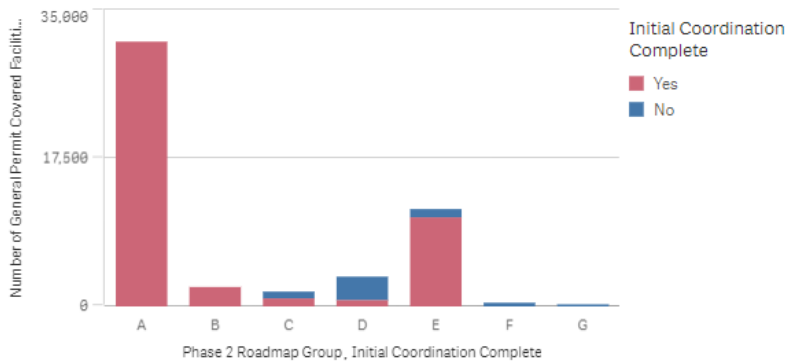
Estimated Facility Counts - Requirements Gathering Status



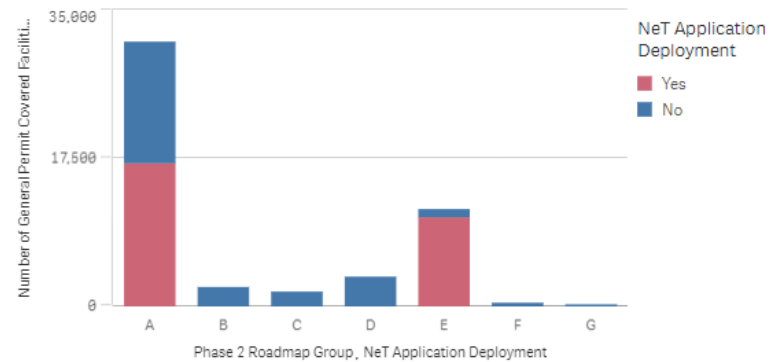
Estimated Facility Counts - NeT Application Deployment



General Permit Covered Facilities - Initial Coordination Complete



General Permit Covered Facilities - NeT Deployment



Phase 2 Implementation with EPA's NeT



EPA Roadmap Category	EPA Roadmap Group	Number of NeT General Permits	Number of NeT General Permit Covered Facilities (Estimated)	Requirements Gathering Projected Start Date	Requirements Gathering Projected End Date	Initial Coordination (Projected Days)	EPA Point of Contact
Totals		237	50,978	10/1/2018	5/8/2020	585	
Aquaculture	A	10	162	10/1/2018	11/30/2018	60	Johnston.Carey@epa.gov
Stormwater - Construction	A	49	20,304	10/1/2018	2/1/2019	123	Johnston.Carey@epa.gov
Stormwater - Industrial	A	40	10,768	10/1/2018	3/29/2019	179	Johnston.Carey@epa.gov
Concentrated Animal Feeding Operations (CAFOs)	B	10	130	12/3/2018	5/17/2019	165	Yourish.Jesse@epa.gov
Domestic Wastewater Treatment Facilities	B	11	547	12/3/2018	10/9/2019	310	Moiseff.Andrew@epa.gov
Groundwater Remediation	B	9	1,115	3/4/2019	5/3/2019	60	Johnston.Carey@epa.gov
Mining and Quarries	B	4	505	3/4/2019	5/3/2019	60	Moiseff.Andrew@epa.gov
Drinking Water Treatment	C	5	469	5/6/2019	7/5/2019	60	Johnston.Carey@epa.gov
Non-Contact Cooling Water	C	3	33	5/6/2019	7/26/2019	81	Wasem.Russell@epa.gov
Seafood Processing	C	4	140	5/20/2019	7/19/2019	60	Yourish.Jesse@epa.gov
Stormwater - MS4	C	16	1,110	5/6/2019	10/11/2019	158	Johnston.Carey@epa.gov
Construction Dewatering	D	2	710	7/22/2019	9/20/2019	60	Johnston.Carey@epa.gov
Electric Generating Facilities	D	2	59	7/22/2019	9/20/2019	60	Johnston.Carey@epa.gov
Pesticide Application	D	47	2,750	7/29/2019	10/18/2019	81	Wasem.Russell@epa.gov
Hydrostatic Testing	E	5	392	10/21/2019	12/20/2019	60	Wasem.Russell@epa.gov
Oil and Gas Extraction	E	7	10,569	10/14/2019	12/13/2019	60	Johnston.Carey@epa.gov
Pools, Spas, and Chlorinated Discharges	E	2	525	10/14/2019	11/29/2019	46	Moiseff.Andrew@epa.gov
Private Households	E	1	0	9/23/2019	11/22/2019	60	Yourish.Jesse@epa.gov
Logging and Lumber	F	1	79	11/25/2019	1/3/2020	39	Yourish.Jesse@epa.gov
Miscellaneous Discharges	F	4	162	12/16/2019	2/14/2020	60	Johnston.Carey@epa.gov

The NPDES eRule Phase 2 Implementation Dashboard also provides an information gathering schedule and contact information for each industrial category.

Example User Workflow with EPA's NeT



CDX Central Data Exchange

Contact Us

Log in to CDX

User ID

Password

Show Password

Log In Register with CDX

Forgot your Password?
Forgot your User ID?
Warning Notice and Privacy Policy



EPA's NeT applications use CDX services to manage and identify-proof user.

<https://cdx.epa.gov>

CDX Central Data Exchange

Contact Us
Logged in as CAREYJOHNSTONSIGNATORY (Log out)

MyCDX | Inbox | My Profile | Submission History | Payment History | E-Enterprise Portal

Services

Status	Program Service Name	Role
	NETAQUA: NeT - Aquaculture General Permit	Signatory

CDX Service Availability

News and Updates

Add Program Service | Manage Your Program Services



CDX users can identify the "program service" that they need to use to file their NPDES report.

EPA United States Environmental Protection Agency | Action Center | My Requests | Resources | Feedback | Logged in as: CAREYJOHNSTONSIGNATORY

NeT Aquaculture
NPDES eReporting Tool

My Facilities

Add Facility

Filter My Facilities

Show 10 entries

Actions	Facility Name	NPDES ID	Pending Form	Coverage Status	Review Period	Certified Date	Effective Date	Permissions
Actions	Big Fish Hatchery		Draft Notice of Intent	Inactive				View, Edit, Sign, Manage

Showing 1 to 1 of 1 entries



CDX users can then use the program report to complete the general permit report (e.g., NOI, NOT) or program report.

Using Data for Permit Reissuance



- The agenda for this session asked the question, “How are states using compliance and inspection data to reissue permits?”
- The following example shows how EPA Region 1 uses the EPA’s ECHO Water Pollutant Loading Tool for their factsheets.

Monitoring Period Date Range ⓘ
Jan. 2019 → Sep. 2019 ? Help

Search Criteria

Facility Identification

FRS ID

NPDES ID

Submit



NPDES Monitoring Data Download												
Search Criteria:												
Monitoring Period Range: 1/01/2019 to 09/01/2019												
Facility ID: MA0100986												
Outfall - Monitoring Location - Limit Set: 063 - 1 - A												
Aluminum, total (as Al)												
139 ug/L												
Mon Pd End Date:	MO AVG	DAILY MX	WKLY AVG	DAILY MX	DAILY MX	MO AVG	MO AVG	WKLY AVG	DAILY MX	DAILY MX	MO AVG	MO AVG
01/31/2019	56	56				13	1594	23.2	75.6	20725		
02/28/2019	50	50				14	1130	20.7	76.8	5540		
03/31/2019	50	50				26	2284	45.8	78	5933		
04/30/2019	186	290				20	2427	27.9	64	10444		
05/31/2019	62	62	25.3	NODI:	4840						16	1521
06/30/2019	100	100	15.7	38	3156						13	914
07/31/2019	85	85	11.5	44	3522						8	469

See: <https://echo.epa.gov/trends/loading-tool/get-data/monitoring-data-download>

Using Data for Permit Reissuance



States can use ECHO Gov to see a complete list of tools for the NPDES permit inventory and compliance status. These tools may be helpful for permit re-issuance.



Enforcement and
Compliance History Online

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Search Options

ECHO provides a variety of ways to identify facilities of interest. Search for facilities by media program using the links below or use media-specific tools to conduct additional analyses.

Types of ECHO tools include:

- Compliance Data Explorers
- Environmental Problem Analyzers
- Non-Compliance Ranking or Listing Calculators
- Visualization and Program Management Tools

Questions?



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