

NPDES Electronic Reporting Rule 40 CFR part 127



CWA-NPDES
electronic reporting

National NPDES eRule Webinar

Tuesday, January 19, 2021

2:30pm – 4:30pm Eastern

Webinar Logistics

AUDIO INSTRUCTIONS

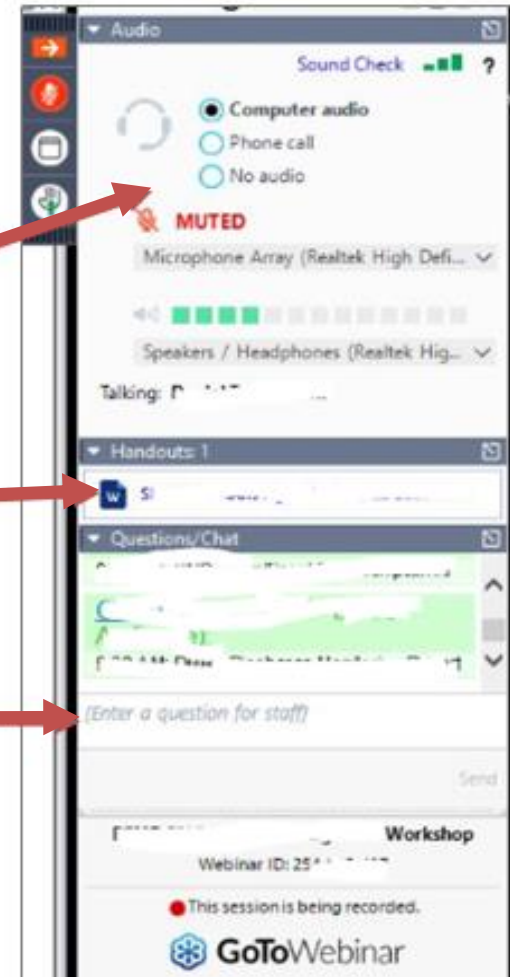
You are in listen-only mode (muted).

You can use your computer or phone for audio.

Download the materials here.

You may submit a question by typing into the *Enter a question for staff* box and clicking the *Send* button.

A brief survey will appear after this webinar, please take a moment to fill it out – we appreciate your feedback.



Webinar Logistics

- EPA is recording the webinar and will be posting the video to our website. A transcript will also be provided along with all questions and answers provided during the webinar.
- We will address a few questions at the end of each topic. We have also reserved 30min at the end of today's webinar to address your questions and comments.
- Closed captioning is available for today's webinar by going to the following website: <https://www.streamtext.net/player?event=EPA-NPDES>
- **After** today's webinar - Questions and comments on NPDES electronic reporting as well as training requests for EPA's NetDMR and NeT can also be directed to the NPDES Electronic Reporting Helpdesk at:

NPDESeReporting@epa.gov **OR** 1-877-227-8965

Webinar Objectives

- 1) EPA will provide an update on NPDES eRule implementation with a particular focus on Phase 2 (general permits, program reports, other Phase 2 data).
- 2) EPA will discuss different aspects for Phase 2 implementation:
 - Working with EDT States: We developed a series of technical papers to better define the NPDES eRule data elements and we are now developing an interim data mapping template to help EDT States.
 - Working with NeT States: We are actively working with NeT states to develop electronic reporting applications that deliver as many benefits as possible. For example, some of our first efforts are on the general permit categories with the largest number of facilities (industrial and construction stormwater).
- 3) EPA will discuss its outreach to states and how states can collaborate with EPA during Phase 2 implementation.

Webinar Agenda

1. Overview of Changes Made by the NPDES eRule Phase 2 Extension
 - Speaker: Carey Johnston, 12 slides, Approx. 15min
2. Tracking NPDES eRule Implementation
 - Speaker: Carey Johnston, 11 slides, Approx. 15min
3. Overview of Partnership for NPDES eRule Implementation
 - Speaker: Jason Swift, 12 slides, approx. 15min
4. ICIS Modernization and How it Could Affect NPDES eRule Phase 2 Implementation (Modernization Board Charter)
 - Speaker: Rob Cannon, 10 slides, approx. 12min
5. Update on New Data Mapping Template for Phase 1 and 2 Data
 - Speaker: Carey Johnston, 6 slides, approx. 8min
6. Update on NeT Development
 - Speaker: Cindy Hobus, 9 slides, approx. 15min
7. Update on NNCR Development
 - Speaker: Courtney Tuxbury, 6 slides, approx. 10min

2021 National NPDES eRule Webinar



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1. Overview of Changes Made by the NPDES eRule Phase 2 Extension

Speaker: Carey Johnston

Key Takeaways for this Webinar Section

- 1) EPA published a final rule on November 2, 2020 that postponed the compliance deadline for Phase 2 implementation of 2015 NPDES eRule by five years and providing states with additional flexibility to request even more time as needed.
- 2) This final rule also makes changes to clarify existing data sharing requirements and eliminate some duplicative or outdated reporting requirements.
- 3) These changes will help ensure a smoother transition from paper to electronic reporting for the NPDES program.

NPDES eRule Outreach to States

- EPA has held significant deliberations and consultations with states since publication of the 2015 NPDES eRule. EPA is continuing these consultations as they build and supported state interest in electronic reporting for the NPDES program.
- The NPDES Phase 2 Extension final rule responds to state comments and concerns on the original implementation schedule from the 2015 NPDES eRule.
- The new implementation schedule provides states with more flexibility in implementing electronic reporting for the NPDES program.
- Implementing electronic reporting will save time and resources for regulated entities as well as for states, tribes, territories, and the EPA while improving compliance and providing better protection of U.S. waters.

New Implementation Schedule

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 (NetDMR and NeT-Biosolids) and data exchange protocols.
 - Submission of Biosolids Annual Program Reports are 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 (21 Dec 2025)

- 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 the new NPDES Noncompliance Report (NNCR).




New Date!

Reports and Data for Electronic Submissions

No Changes

	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(d)(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

Additional Flexibility for States



Additional Time Available if Needed

- In addition to postponing the Phase 2 compliance deadlines, EPA added two regulatory provisions that create additional flexibility for Phase 2 compliance.
- These two new provisions respond to the requests from ACWA and from authorized NPDES programs for more time to develop and implement the information technology solutions necessary for electronic reporting of the Phase 2 data.
 - The first regulatory provision [[40 CFR 127.24\(e\)](#)] allows authorized NPDES programs to request additional time beyond December 21, 2025 to implement Phase 2 of the NPDES eRule, but no later than December 21, 2028.
 - The second regulatory provision [[40 CFR 127.24\(f\)](#)] authorizes EPA to, on its own initiative, allow for additional time for one or more authorized NPDES programs (states and EPA Regions) to implement NPDES electronic reporting beyond December 21, 2025, but no later than December 21, 2028.

Additional Flexibility for States - § 127.24(e)

- Under this **new** provision, an **authorized NPDES program** can request additional time by sending a request to EPA for review and approval. See attachment for more details.
- This request must identify the facilities, general permits, program reports, or data elements for which the authorized NPDES program needs additional time beyond December 21, 2025.
- For example, a state may seek approval from EPA to postpone implementation of electronic reporting for a NPDES general permit until an agreed-upon time after December 21, 2025, but no later than December 21, 2028.
- EPA estimates that no authorized state will need more time than that fixed date, which is thirteen years after the effective date of the 2015 NPDES eRule.

Additional Flexibility for States - § 127.24(f)

- This **new** provision authorizes **EPA** to, on its own initiative, allow for additional time for one or more authorized NPDES programs (states and EPA Regions) to implement NPDES electronic reporting beyond December 21, 2025. See attachment for more details.
- Under this provision, EPA may establish an alternative Phase 2 compliance deadline for electronic reporting and data sharing for one or more facilities, general permit reports, program reports, and related data elements (see Table 2 to Appendix A to 40 CFR part 127).
- Use of this provision may be necessary if EPA has not yet deployed the required electronic reporting tool (when EPA is responsible for building the tool) or if EPA has not yet deployed the protocols and systems for authorized NPDES programs to share one or more data elements with EPA (when the state is responsible for building the tool or generating the data).
- Under the provision, EPA may set an alternative Phase 2 compliance deadline for up to three years but not beyond December 21, 2028.

Clarifying Edits to NPDES eRule



Minor Changes
to Some
Data Elements

- EPA solicited comment on several clarifying edits to the 2015 NPDES eRule (see February 28, 2020; 85 FR 11913). These proposed changes are intended to clarify and streamline NPDES eRule implementation.
- The changes included minor editorial changes, clarifications of several data elements, and incorporation of new data sharing requirements that result from the final NPDES Applications and Program Updates Rule (see 12 February 2019; 84 FR 3324).
- See attachment for details on these clarifying edits.

Changes to NNCR Publication Dates



New Dates for
NNCR

- EPA has added regulatory language that explicitly creates separate deadlines for the public release of the NNCR using Phase 1 data (December 2022) and Phase 2 data (one year after the draft report is made available to states but no later than December 2026).
- The NNCR public release dates for Phase 2 data would be phased in over time to give states at least one year to review and provide comments on draft versions of the NNCR that incorporates Phase 2 data before EPA releases a new version to the public.

General Permit and Program Report Inventory



Inventory for Tracking Phase 2 Implementation

- Accompanying the final rule was an Information Collection Request (ICR) that requires states to regularly share timely information on the general permits and program reports that they issue and to conduct an annual review of this information.
 - This information sharing will create a common and complete inventory of general permits and program reports and related electronic reporting tools. EPA will make this inventory available through the “[NPDES eRule Phase 2 Implementation Dashboard](#).”
- Authorized NPDES programs will share this information with EPA as their general permits and program reports and the related electronic reporting tools are updated or deployed.
- Authorized NPDES programs will also annually review and update EPA’s inventory of general permits and program reports and the related electronic reporting tools.
- See attachment for more details on the general permits and program reports data that states must share with EPA.

Questions, Comments, Requests....

For today's webinar, please use the "Question Box" to post your questions or comments. We will address a few questions and comments at this time.

Please note that we have reserved 30 minutes at the end of today's webinar to address your questions and comments.

After today's webinar - we will share the questions and comments we receive along with our responses with meeting participants and the NPDES eRule website.



2021 National NPDES eRule Webinar



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2. Tracking NPDES eRule Implementation

Speaker: Carey Johnston

Key Takeaways for this Webinar Section

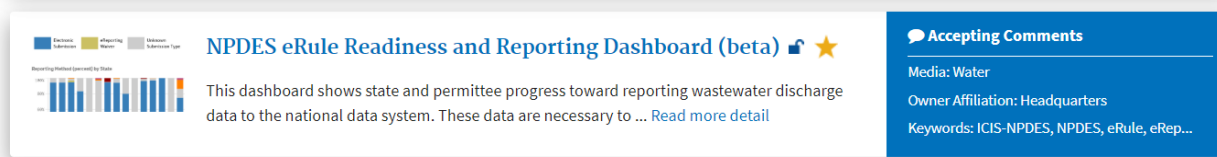
- The NPDES eRule dashboards help EPA Regional and state staff identify successes and issues related to the conversion to electronic reporting and the related data sharing requirements.
- These dashboards are available through EPA's Enforcement Compliance History Online (ECHO) website.
 - See: <https://echo.epa.gov/trends/data-viz?filters=erule>.
- You will need to log into "ECHO Gov" for access to some of these dashboards. (Note: ECHO Gov is a resource for EPA and states)
- Unless otherwise noted in the help documentation, dashboard data are updated each weekend from EPA's national NPDES data system (ICIS-NPDES).



NPDES eRule Dashboards Overview

- EPA worked with states to develop five dashboards for tracking NPDES eRule Implementation.
 1. NPDES eRule Readiness and Reporting Dashboard
 2. NPDES eRule Phase 2 Implementation Dashboard
 3. NPDES Data Sharing Dashboard (only available through ECHO Gov)
 4. NPDES Single Event Violations (only available through ECHO Gov)
 5. DMRs with No Data Indicators (NODIs) (only available through ECHO Gov)
- States should use these dashboards to track the implementation of electronic reporting as well as the related data sharing requirements for both Phase 1 and 2 of the NPDES eRule.
- States can request training or help with these dashboards by contacting Carey Johnston (johnston.carey@epa.gov).

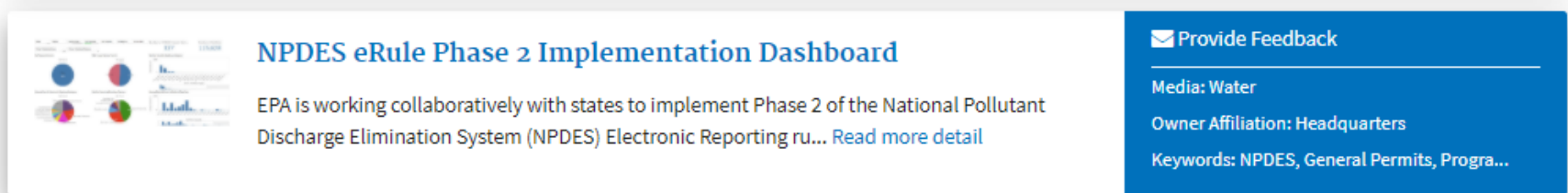
1. NPDES eRule Readiness and Reporting Dashboard



See: <https://echo.epa.gov/trends/npdes-erule-readiness-reporting-dashboard>

- **NPDES eRule Implementation:** Phase 1 (States: Facility and Permit Info; Permittees: DMRs). Released to public in June 2017.
- **Dashboard Purpose:** Tracking Phase 1 electronic reporting and data sharing.
 - EPA annually assesses the progress each authorized state is making in implementing NPDES electronic reporting [see 40 CFR 127.26(j)]. Starting in June 2021 EPA will use the “**DMR Reporting Method**” view to conduct these assessments.
 - Authorized states must also share the required minimum set of NPDES data with EPA in a timely, accurate, complete, and nationally-consistent manner fully compatible with ICIS-NPDES. See 40 CFR 127.1(b) and 127.23. EPA uses the “**DMR Data Completeness**” view to measure DMR data sharing.
 - The “**Facilities List**” view allows users to identify and download the list of facilities based on the selections made in the dashboard.
 - This dashboard also makes monthly snapshots of the data so that users can view trends.

2. NPDES eRule Phase 2 Implementation Dashboard



NPDES eRule Phase 2 Implementation Dashboard

EPA is working collaboratively with states to implement Phase 2 of the National Pollutant Discharge Elimination System (NPDES) Electronic Reporting ru... [Read more detail](#)

[Provide Feedback](#)

Media: Water

Owner Affiliation: Headquarters

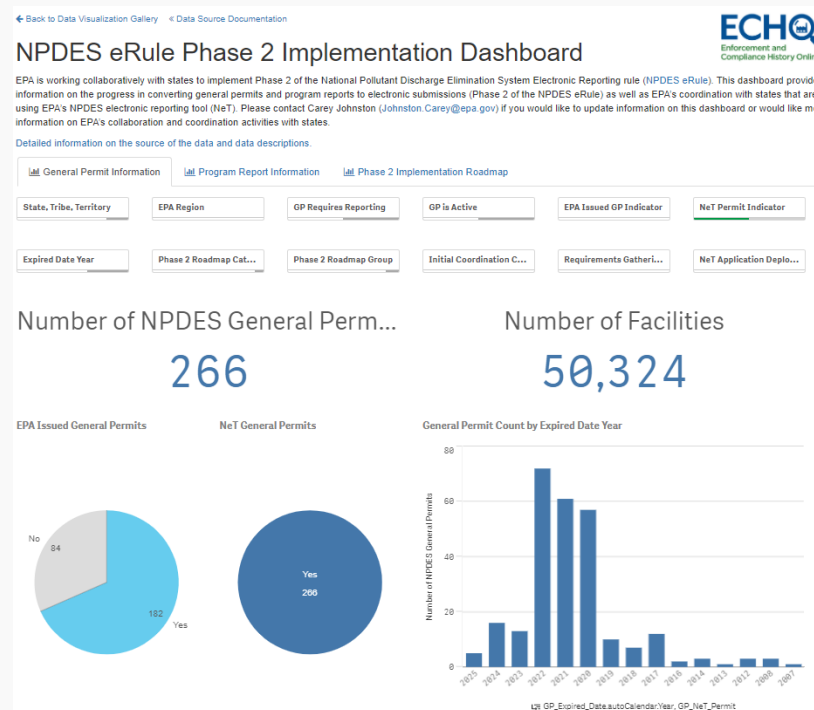
Keywords: NPDES, General Permits, Progra...

See: https://edap.epa.gov/public/extensions/eRule_Phase2/eRule_Phase2.html

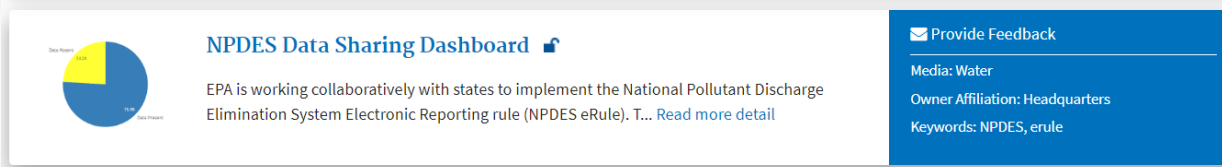
- **NPDES eRule Implementation:** Phase 2 (States: Tracking Conversion to Election Reporting for General Permits and Program Reports). Released to public in February 2020.
- **Dashboard Purpose:** This dashboard shows information on general permits and program reports as well as EPA’s coordination with states that are using EPA’s NPDES Electronic Reporting Tool (“NeT”). This dashboard is intended to help foster collaboration and coordination between EPA and states. EPA will update this dashboard with information provided to EPA by states.
 - The “**General Permit Information**” and “**Program Report Information**” views shows the progress EPA and states are making in converting general permits and program reports to electronic reporting.
 - The “**Phase 2 Implementation Roadmap**” spotlights EPA’s progress with Phase 2 implementation.

2. NPDES eRule Phase 2 Implementation Dashboard

- The NPDES eRule Phase 2 Implementation Dashboard provides EPA and states with a high-level tracking of EPA's Phase 2 implementation.
 - This dashboard provides an inventory of all NPDES general permits and program reports and identifies for each general permit or program report if the state has elected to use EPA's NeT and deployment.
 - States will regularly share general permit and program report information with EPA to maintain the completeness and accuracy of this dashboard.



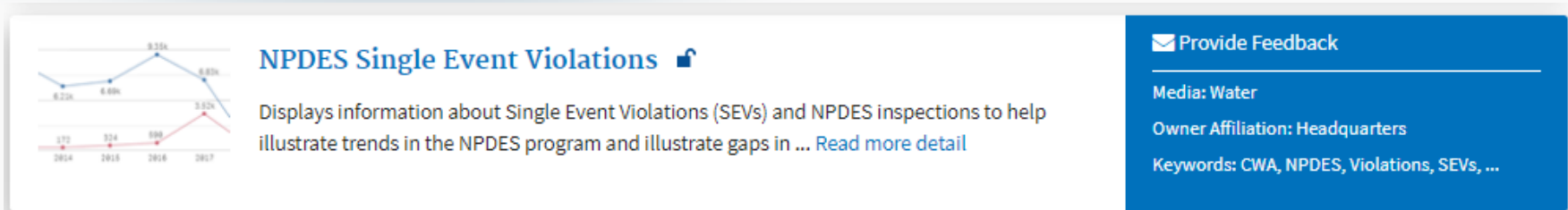
3. NPDES Data Sharing Dashboard



See: https://edap.epa.gov/echo/extensions/NPDES_Data_Sharing/NPDES_Data_Sharing.html

- **NPDES eRule Implementation:** Phase 1 (States: Facility and Permit Info)
- **Dashboard Purpose:** The initial release of the dashboard tracks the “completeness” aspect of these NPDES data elements [i.e., are these data present or absent in ICIS-NPDES).
 - The “**Data Completeness View**” on the dashboard allows users to identify facilities with missing data in a select set of fields (e.g., SIC and NAICS codes).
 - The “**Data Groups View**” allows users to identify the NPDES reports that each NPDES must submit to their authorized NPDES program (as identified by the “NPDES Data Group” field).
 - These views also allow you to identify and download the list of facilities based on your dashboard selections.
 - This dashboard also makes monthly snapshots of the data so that users can view trends.
- **Scope:** The “Data Completeness View” has the same scope as the “NPDES eRule Readiness and Reporting Dashboard.” The “Data Groups View” includes **all** individually permitted facilities.

4. NPDES Single Event Violations



See: https://edap.epa.gov/echo/extensions/ECHO_NPDES_Single_Event_Violations/ECHO_NPDES_Single_Event_Violations.html


- **NPDES eRule Implementation:** Phase 1 (States: Facility, Permit Info, Manually detected violations)
- **Dashboard Purpose:** This dashboard displays information about Single Event Violations (SEVs) and NPDES inspections to help illustrate trends in the NPDES program and illustrate potential data gaps. The dashboard also shows trends in the number of SEVs per inspection.
- **Scope:** This dashboard covers all NPDES-regulated entities (all NPDES permit types, majors and non-majors) with SEVs (since 2010).
- **Status:** This dashboard is currently posted to ECHO Gov.
- **Views:** The “**SEV Summary**” view charts and displays SEV data. The “**Inspections and SEVs**” view combines SEV and inspection data.

5. DMRs with No Data Indicators (NODIs)



DMRs with No Data Indicators (NODIs)

Explore no data indicators (NODIs) reported on discharge monitoring reports (DMRs) from monitoring periods starting from January 2016, including NODI ... [Read more detail](#)

 Provide Feedback

Media: Water

Owner Affiliation: Headquarters

Keywords: NODI, no data indicator, DMR, ...

See: https://edap.epa.gov/echo/extensions/DMRs_with_NODI_Code/DMRs_with_NODI_Code.html

- **NPDES eRule Implementation:** Phase 1 (States: Facility and Permit Info; Permittees: DMRs)
- **Dashboard Purpose:** This dashboard can help identify and view trends with no data indicator (NODI) data. Users can drill-down to view data at the DMR value level. A NODI is a unique code/description that indicates the reason that “No Discharge” or “No Data” was reported on a DMR.
- **Scope:** This dashboard covers all NPDES-regulated entities (all permit types, majors and non-majors) with data from 1/1/2016.
- **Status:** EPA incorporated comments from states and published Version 1 of the dashboard to ECHO Gov on 14 July 2020.

NPDES eRule Website

- EPA also updated its website with the new Phase 2 implementation schedule and related implementation tools (e.g., draft permit language).

NPDES eReporting



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electronic reporting

[Overview](#)

[Authorized NPDES Programs](#)

[NPDES Permittees
and Other Regulated Entities](#)

[NPDES Help](#)

On this page:

- [Benefits of Electronic Reporting](#)
- [Electronic Reporting Tools](#)
- [Electronic Reporting Schedule](#)
- [Phase 2 Implementation Plan](#)
- [Final Rule Documents](#)
- [eRule National Webinar](#)
- [Phase 2 Extension](#)



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

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3. Overview of Partnership for NPDES eRule Implementation

Speaker: Jason Swift

Key Takeaways for this Webinar Section

- 1) EPA is providing financial opportunities and technical resources to states for implementing Phase 2 of the NPDES eRule, which includes support for EDT.
- 2) For states using EPA's Phase 2 electronic reporting system ("NeT"), EPA would like to document the various roles and responsibilities in a signed Memorandum of Understanding (MOU).
- 3) EPA and states are closely collaborating on NPDES eRule implementation
- 4) EPA recommends that states continue to move forward with electronic reporting as much as possible to gain the benefits of electronic reporting.

Financial Opportunities

- NPDES eReporting is included as an **Exchange Network Grant Program** funding opportunity.
 - This program aims to improve access to, and exchange of, high-quality environmental data from public and private sector sources.
 - Examples of eligible activities include but are not limited to:
 - Development, testing and implementation of electronic reporting system for NPDES for individual permits, general permits or program reports.
 - Development, testing and implementation of shared services needed to enable electronic reporting
 - Development, testing and implementation of a state eDMR system
 - In FY20, over \$7M was awarded for 32 projects across environmental programs.
 - For more information: <https://www.epa.gov/exchangenetwork/exchange-network-grant-program>

EPA and State Partnerships

- *MOU on Development and Maintenance of the NPDES Electronic Reporting Tool*
 - Purpose: sets forth the terms and understanding between EPA and state partners to develop and maintain NeT
 - Scope: Appendix A data elements
 - Roles and Responsibilities for NeT Lifecycle:
 - Permit Review
 - Requirements Development
 - Post Deployment Operations
 - Customer Support and Training
 - Change Management
 - Non-binding; commitments are subject to resource availability
 - Voluntary agreement that expresses the good-faith intentions of the EPA and states
 - To date four states have signed the MOU.

EDT Technical Resources

- EPA maintains a contract with Windsor Solutions to help states that have their own NPDES data system.
 - Windsor offers technical assistance to state or local agencies that are using or will use the OpenNode2 plug-in. Activities for which support can be provided includes, but is not limited to:
 - Installing, configuring, testing, troubleshooting, and implementing the ICIS-Air and/or ICIS-NPDES .NET or Java plug-ins; and
 - Performing upgrades to agencies' Node software, if needed
 - Windsor offers both general and customized support.
 - Customized support is generally needed where a state requires a reasonably significant level of effort to assist with implementing or fixing a data flow.
 - To request customized support, states can request customized support using the ICIS Support Portal (<https://icis.zendesk.com/hc/en-us>).

The screenshot displays the ICIS Support Portal interface. At the top left, the logo reads "ICIS ICIS SUPPORT PORTAL". Navigation links include "My activities", "Submit a request" (highlighted in yellow), and "Sign in". A search bar is labeled "Search Knowledgebase" with a search icon. The main content area is titled "SUBMIT A REQUEST" and contains a list of resources:

- If you are a new user, review the following pages for Getting Started.
 - Requesting Access - Follow these instructions to request access to ICIS.
 - ICIS System Contacts - Find contact information for user support and personnel across all EPA Regions.
- Documents & Forms - Find information about using ICIS, including guides, request forms, and other technical documents.
- Training & Education - Browse through a repository of training materials and register for upcoming webinars and trainings.
- What are the ICIS Environments? Learn about the three separate ICIS hardware/software environments.
- Read Frequent Questions and responses and resolutions to commonly asked user questions.

Below the list, it states: "If you have a question that is not addressed through these resources, or for any request, please submit it through the form below." It then prompts: "Select the appropriate request type using the drop-down box below:"

The drop-down menu is open, showing the following options:

- NPDES Permit Change Expiration Date Request
- Sensitive Access Request
- Data Quality Form
- General Issue/Question Request
- National Case Status Information System (NCSIS)

At the bottom right, there is a "CONTACT US" link with the text: "with any questions, comments, and suggestions."

EPA Support - Knowledgebase

- EPA can assist with developing and posting user guides and training materials.
- Training schedules
- Contacts
- Links to state websites
- Central portal to launch application

Create a New Account

▶ Login to NetMSGP :
<https://netmsgpreporting.epa.gov/msgp>

▶ Click on **new acc**



NeT-MSGP eReporting Quick Start Guide 2018

How do I obtain coverage under the Multi-Sector General Permit (MSGP)?

To obtain coverage under the MSGP, users must first complete a **Stormwater Pollution Prevention Plan (SWPPP)** before submitting a Notice of Intent (NOI) for permit coverage. For more information on how to complete a SWPP, please visit: <https://www.epa.gov/npdes/developing-stormwater-pollution-prevention-plan-swppp>.

After completing a SWPP, users must complete a **new NOI** by following the steps below:

What is MSGP?

The Multi-Sector General Permit (MSGP) covers industrial facilities that discharge stormwater to waters in the U.S. area covered under EPA's National Pollutant Discharge Elimination System (NPDES) program.

Construct
User's Gu

Welcome to the NPDES eReporting Tool (NeT) Help Center. Stay updated with news, announcements, training info, get answers from the Knowledge Base, and share your ideas and questions with us and the EPA NeT community.

<p>GENERAL NeT INFO</p> <ul style="list-style-type: none"> • Getting Started • FAQs • Announcements • Email Subscriptions 	<p>CGP PERMIT</p> <ul style="list-style-type: none"> • Launch CGP NeT • Training Material • E-Enterprise Portal • Email Subscription 	<p>EPA MSGP PERMIT</p> <ul style="list-style-type: none"> • Launch MSGP • Announcements • Training Material • Email Subscription 	<p>BIOSEDIMENTS</p> <ul style="list-style-type: none"> • Announcements • Biosolids User Guide • Email Subscription • Training Schedule
<p>GMG PERMIT</p> <ul style="list-style-type: none"> • Launch GMG NeT • GMG290000 Permit Info • How to... • FAQs 	<p>GEG PERMIT</p> <ul style="list-style-type: none"> • Launch GEG NeT • GEG460000 Permit Info • How to... • FAQs 	<p>AQUACULTURE</p> <ul style="list-style-type: none"> • Training Schedule • Training Material • Aquaculture Contacts 	<p>STATE ISSUED MSGP</p> <ul style="list-style-type: none"> • Rhode Island • Utah • Illinois • South Dakota

<https://epanet.zendesk.com/hc/en-us>

Rhode Island Training And Supporting Materials

How to:

- Create a New CDX Account to Access NETMSGP
- Add the MSGP NeT Program Service to an existing CDX account

Forms:

- Create or Renew an MSGP Notice of Intent (NOI)
- Modify an Active MSGP Notice of Intent (Change NOI)
- Create an MSGP No Exposure Certification (NEC)
- Create an MSGP No Discharge Certification (MDC)

RECENTLY VIEWED ARTICLES

- Scanned ESA Alert

RELATED ARTICLES

- Create and Submit MSGP Annual Report (RHODE ISLAND USE ONLY)
- Creating a New CDX Account to Access

EPA Support – Help Desk

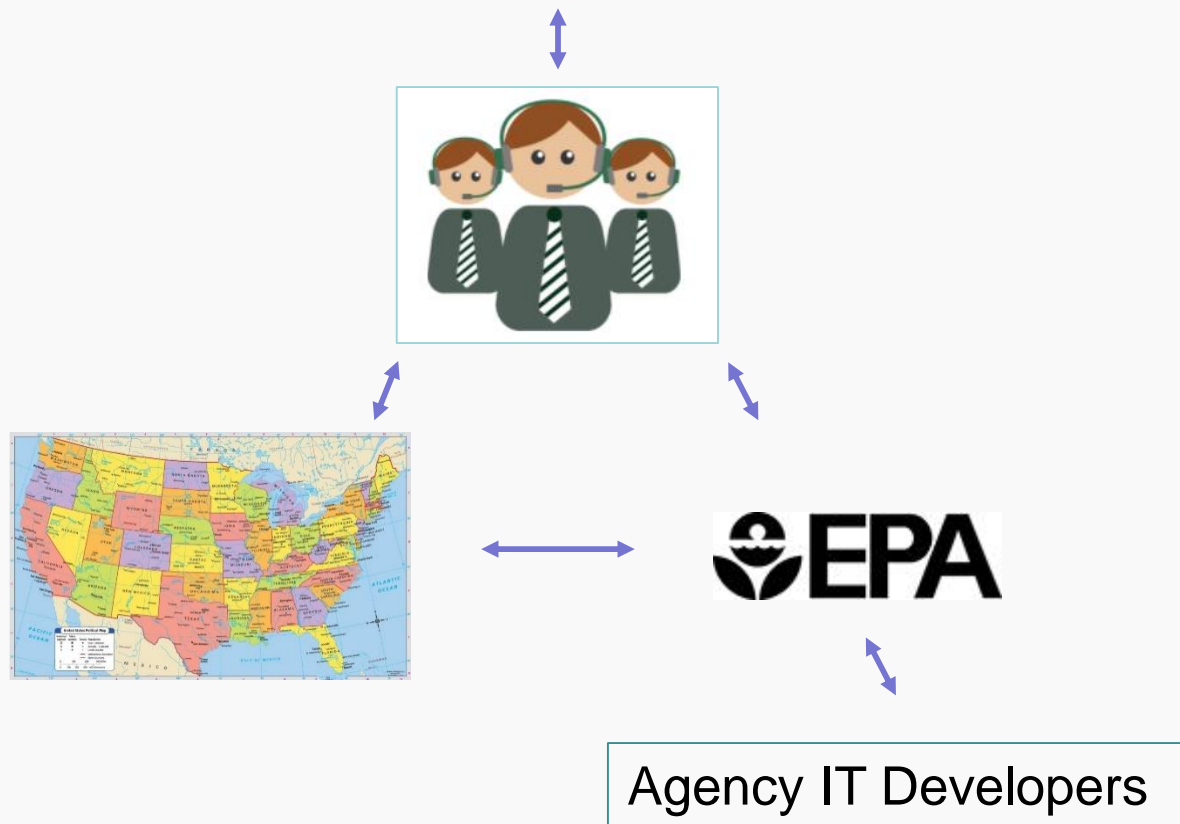
- Tier 1 Support to assist users with account set up, accessing the NeT program service, completing/signing documents, general troubleshooting
- Coordinate with CDX Help Desk
- Escalation procedures to address/resolve policy/permit questions
- Also capture any bugs, change requests/enhancements that we can escalate through our product owners to developers

Contact Us:

For CDX password/UserID reset, click here: [Forgot Password/ Forgot UserID](#)

For Aquaculture, Biosolids, CGP, GEG, GMG, or MSGP questions, call 877-227-8965 or email NPDESeReporting@epa.gov for assistance.

For MSGP or CGP permit requirements, contact your region listed at [Regional Contacts](#).



Public Access to Permit Records

- Facilities and permit information collected by NeT is also shared with ECHO (<https://echo.epa.gov/>) and Permit Lookup tool (<https://permitsearch.epa.gov/epermit-search/ui/search>).
- Search for permit records and related submissions for general permits implemented in EPA's NPDES eReporting Tool
- Current Program Areas: Construction Stormwater, Industrial Stormwater and Aquaculture
- Search by Permit Action Status (e.g., Approved, Withdrawn), by Issuer (e.g., UT), location, coverage status, and operator's name.
- Access files and CORs

The screenshot displays the EPA Permit Lookup Results interface. On the left, there are search filters for Program (NPDES), Coverage Type, Action Type, Issuer (UT), and Regulated Entity (UT). The main content area shows the title "Permit Lookup Results" and a "Back to Search" link. Below the filters, a "Filter Results" section shows a search for "type 3 or". The primary focus is a detailed permit record for a "Notice of Intent (NOI) for Storm Water Discharges Associated with Construction Activity Under the Construction General Permit (CGP) UPDES General Permit No. UTRC00000". The record includes the following information:

- STATE OF UTAH, DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF WATER QUALITY
195 North 1950 West, P.O. Box 144870, Salt Lake City, UT 84114-4870 (801)536-4300
- UTAH DEPARTMENT of ENVIRONMENTAL QUALITY WATER QUALITY
- Permit Information: Master Permit Number: UTRC00000, UPDES ID: UTR340108, State/Territory where your project/site is located: UT
- Is your project/site located on federally recognized Indian Country Lands? No
- Which type of form would you like to submit? Notice of Intent (NOI)

EPA's Approach for Ongoing Communication with States

- EPA relies on on-going and frequent collaboration with states to implement the NPDES eRule.
- Active workgroups usually meet on a bi-weekly or monthly schedule. The inactive workgroups do not hold regular meetings; however, EPA may rely on workgroup members to help answer programmatic questions or for user testing of EPA NeT applications.
- These workgroups provide recommendations on the Phase 2 data elements identified in the final rule (Appendix A to 40 CFR part 127). EPA documented recommendations from workgroup members in technical papers.
- The following is a summary status of each workgroup.

Ongoing Communication – NPDES eRule Workgroups

Technical Workgroup Name	Members	Months Active	Status
NPDES eRule Regional WG	EPA HQ and EPA Regional Staff	January 2016 - Ongoing	Active (Monthly Meetings)
NPDES NNCR WG	EPA HQ, EPA Regional Staff, State Staff	May 2016 - Ongoing	Active (Bi-weekly Meetings)
EPA-state General Permit and Program Report WG	EPA HQ, EPA Regional Staff, State Staff	May 2017 - Ongoing	Active (Monthly Meetings)
Biosolids Technical WG	EPA HQ, EPA Regional Staff, State Staff	March 2016 – August 2017	Inactive (had bi-weekly Meetings)
Sewer Overflow Technical WG	EPA HQ, EPA Regional Staff, State Staff	August 2016 – March 2017	Inactive (had bi-weekly Meetings)
Pretreatment Technical WG	EPA HQ, EPA Regional Staff, State Staff	March 2017 – September 2017	Inactive (had bi-weekly Meetings)
CAFO Technical WG	EPA HQ, EPA Regional Staff, State Staff	April 2017 – September 2017	Inactive (had bi-weekly Meetings)
CWA 316 Technical WG	EPA HQ, EPA Regional Staff, State Staff	November 2017 – February 2018	Inactive (had bi-weekly Meetings)
Stormwater Technical WG	EPA HQ, EPA Regional Staff, State Staff	November 2017 – July 2018	Inactive (had bi-weekly Meetings)

Ongoing Communication

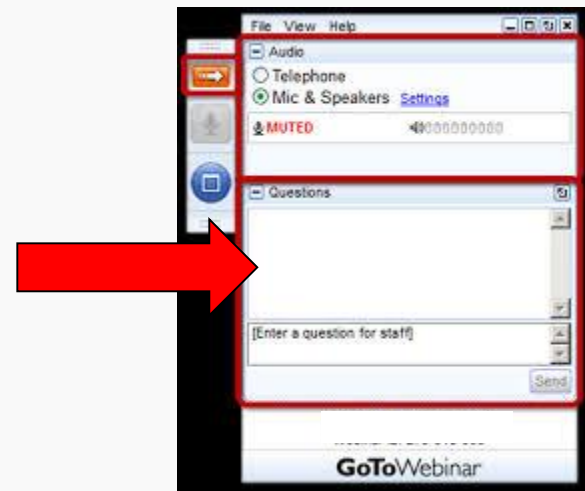
- EPA will also provide frequent updates using the following workgroups and meetings:
 - ICIS user community (monthly calls);
 - EPA NPDES Permitting and Enforcement Managers (monthly calls).
 - Various sector specific calls (e.g., EPA Regional and state pretreatment monthly calls).
- Please contact Mr. Carey Johnston (johnston.carey@epa.gov) if you would like to participate in any of these workgroups.

Questions, Comments, Requests....

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CWA-NPDES
electronic reporting

4. ICIS Modernization and How it Could Affect NPDES eRule Phase 2 Implementation

Speaker: Rob Cannon

Key Takeaways for this Webinar Section

- 1) EPA will collaborate with states agencies on the modernization of ICIS through use of a “Modernization Board.”
- 2) EPA will establish focus groups to collect ideas and new system requirements from states.
- 3) Modernization will take place in phases, and EPA aims to complete these modernization efforts by late 2025.
- 4) EPA will schedule and coordinate these modernization efforts so that they complement and assist implementation of the NPDES eRule.

ICIS Is More Than NPDES

Integrated Compliance Information System (ICIS)

EPA's ICIS aids the Agency and state users in meeting evolving regulatory business needs by integrating enforcement and compliance information into a single data system that supports both management and programmatic requirements of enforcement and compliance programs.

Integrated Information System (ICIS), U.S. EPA Office of Enforcement and Compliance Assurance (OECA), <https://edg.epa.gov>, 10/26/2020

ICIS – NPDES

“ICIS-NPDES is an information management system maintained by the Office of Compliance to track permit compliance and enforcement status of facilities regulated by the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act (CWA). ICIS-NPDES is designed to support the NPDES program at the state, regional, and national levels.

ICIS NPDES Description, U.S. EPA, <https://echo.epa.gov/tools/data-downloads/icis-npdes>, 01/13/2021

Other ICIS Modules

ICIS – FE&C (Federal Enforcement and Compliance)

“ICIS-FE&C contains EPA data for inspections and enforcement actions for the following: [Clean Air Act](#), [Clean Water Act](#), [Resource Conservation and Recovery Act](#), [Safe Drinking Water Act](#), [Comprehensive Environmental Response, Compensation and Liability Act](#), [Emergency Planning and Community Right-to-Know Act](#), [Federal Insecticide, Fungicide, and Rodenticide Act](#) and the [Toxic Substance Control Act](#)”

ICIS FE&C Overview, U.S. EPA Region 8, <http://r8net.epa.gov/pages/icis-fec/>, 01/13/2021

ICIS – Air

“ICIS-AIR contains compliance and permit data for stationary sources of air pollution (such as electric power plants, steel mills, factories, and universities) regulated by EPA, state and local air pollution agencies. The information in ICIS-AIR is used by the states to prepare State Implementation Plans (SIPs) and to track the compliance status of point sources with various regulatory programs under [Clean Air Act](#).”

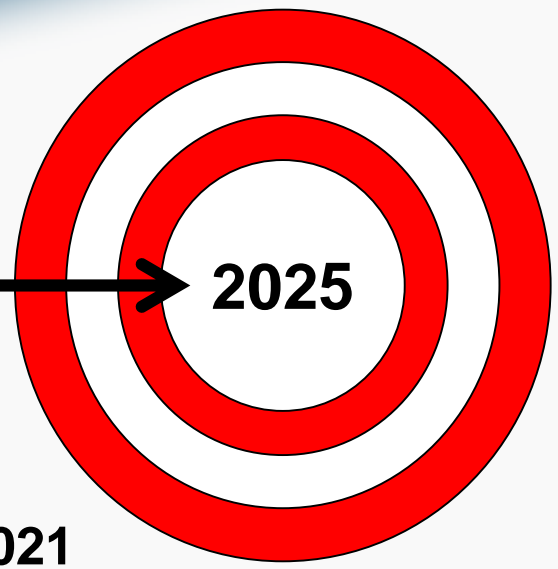
ICIS Air Overview, U.S. EPA Office of Mission Support – Environmental Information, <https://www.epa.gov/enviro/icis-air-overview>, 10/26/2020

Why is EPA Modernizing ICIS?


- To meet our users' current business needs.
- To develop a user centered designed system easing users' reporting burden.
- To take advantage of modern technological offerings.
- To meet compliance assurance reporting requirements imposed by new regulation.
- To reduce costs and time in future development, operations, and maintenance.

What is the Timeline for Modernization?

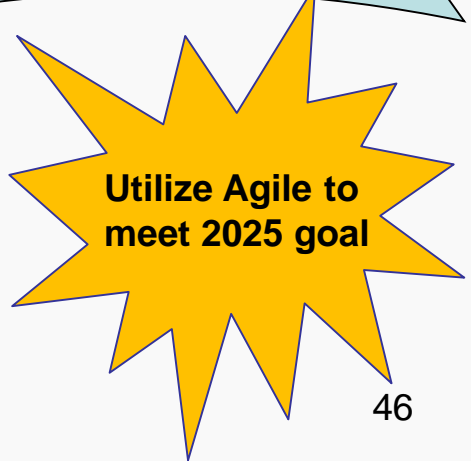
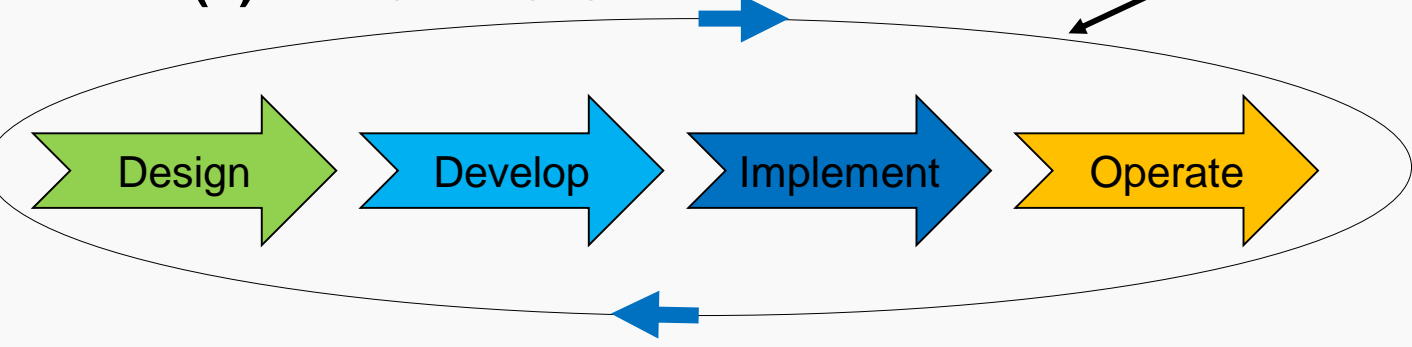
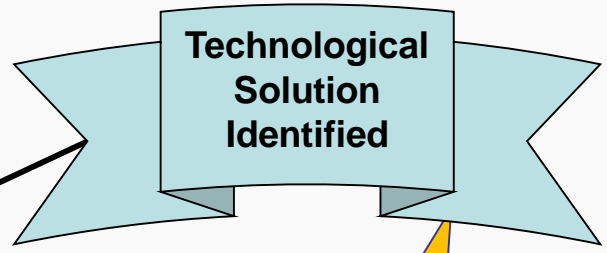
Modernization will take place in phases, and we are aiming to complete it by late 2025



Phase (1)  **2020-2021**
Concept Development

Phase (2)  **2021-2022**
Analysis of Business Reqs.

Phase (3) **2022-2025**



How will we involve users of ICIS?

- EPA will staff a Modernization Board to include states as members.
- EPA will establish focus groups to collect ideas and new system requirements from states.
- EPA will ask states to review and weigh-in on proposed ConOps, Analysis of Business Requirements, and the Technological Solution of the new system.

What do we need from State NPDES Programs?

- To participate in all phases of the effort to better support the Water community.
- To aid EPA in communicating modernization efforts to the Water community.
- To work with ECOS on identifying potential state/local participants for the modernization board.

What's been done so far and what are the Next Steps?

- Contacted a vendor to conduct the ConOps phase
- Contacted ECOS asking them to review draft charter and aid in finding board members
- Provided ACWA with draft modernization board charter for feedback
- Contact us if interested in contributing to ICIS-NPDES modernization system requirements, or
- Contact us if interested in participating on the Modernization Board

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**5. Update on New Data Mapping Template for
Phase 1 and 2 Data**

Speaker: Carey Johnston

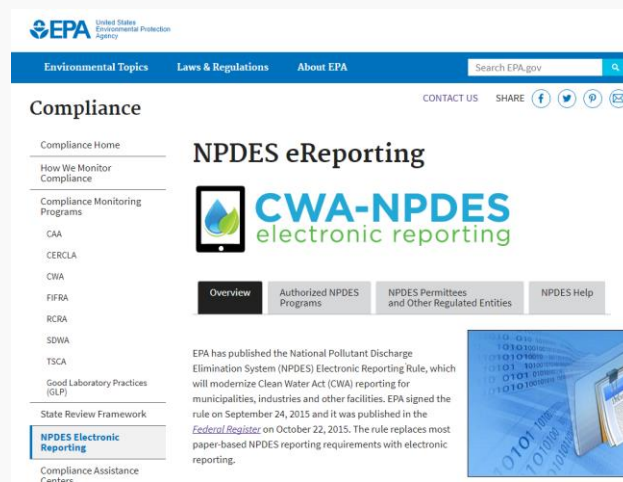
Key Takeaways for this Webinar Section

- 1) EPA will work collaboratively with states to build a new tool for describing how EDT states can configure their Phase 2 data.
- 2) The new data tool should provide more clarity for EDT on how they should collect and organize their Phase 2 data.
- 3) Today's webinar will walk through the Phase 2 Data Mapping Template.

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 (e.g., schemas).

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



The screenshot shows the EPA website's "NPDES eReporting" page. The header includes the EPA logo and navigation links for "Environmental Topics", "Laws & Regulations", and "About EPA". A search bar is visible on the right. The main content area is titled "NPDES eReporting" and features a graphic with the text "CWA-NPDES electronic reporting". Below this, there are four tabs: "Overview" (selected), "Authorized NPDES Programs", "NPDES Permittees and Other Regulated Entities", and "NPDES Help". A text block explains that EPA has published the National Pollutant Discharge Elimination System (NPDES) Electronic Reporting Rule, which modernizes Clean Water Act (CWA) reporting for municipalities, industries, and other facilities. The rule was signed on September 24, 2015, and published in the *Federal Register* on October 22, 2015. It replaces most paper-based NPDES reporting requirements with electronic reporting. A small image of a tablet displaying data is also present.

Data Element Template

(Phase 1 & 2 Data)

- EPA has developed a spreadsheet tool that provides basic information on the Phase 1 and 2 data elements.
- This spreadsheet tool (called “Data Element Template”) provides the following information on each Appendix A data element and related data tags:
 - Identifies linkages to Appendix A (e.g., required, conditionally required) and optional fields recommended by EPA-state workgroups.
 - Identifies tags that currently exist in the ICIS-NPDES schema (v5.9), additional tags that EPA recommends for inclusion to support Phase 2 implementation, and tags that EPA recommends be dropped from the existing schema.
- EPA intends to release this template for State review by the end of March.
 - Purpose of the review is to ensure close coordination between EPA and states as states build their own NPDES electronic reporting tools.
 - EPA will schedule time to provide an overview of the template and how, when, and where to send comments and questions.

Data Element Template (Phase 1 & 2 Data)

B	C	D	E	F	G	H	I	J	K	L
Cardinality	Added	Del	Schema	SortID	Payload Type	Parent Indicator	Parent or Group or Element Name	Element Description	XML Data Type	Appendix A Element Name
0:M			5.9	1.2.4.10	BasicPermitSubmission	Y	SICCodeDetails	Parent of SIC code detail elements	N/A	
1:1			5.9	1.2.4.10.1	BasicPermitSubmission		SICCode	Standard Industrial Classification Code that describes the activities at the facility.	xsd:integer	SIC Code
1:1			5.9	1.2.4.10.2	BasicPermitSubmission		SICPrimaryIndicatorCode	Flag that indicates if the SIC Code is the primary activity at the facility.	xsd:string	SIC Code Primary Indicator

Screenshot showing how schema tags map to Appendix A data elements

No.	Data Name	Current DET Element Name (if exists)	Notes
45	SIC Code	SICCode	
46	SIC Code Primary Indicator	SICPrimaryIndicatorCode	
47	NAICS Code	NAICSCode	Data element description and regulatory citation modified by 2020 Phase 2 Extension rule. Updates incorporated into this worksheet.
48	NAICS Code Primary Indicator	NAICSPPrimaryIndicatorCode	Data element description and regulatory citation modified by 2020 Phase 2 Extension rule. Updates incorporated into this worksheet.

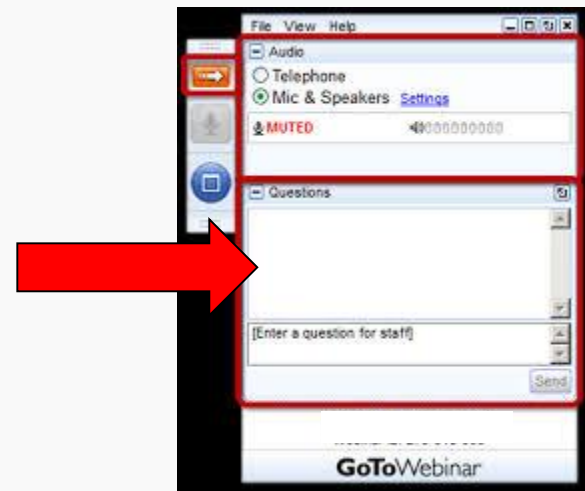
Screenshot showing Appendix A data elements map to schema tags

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2021 National NPDES eRule Webinar



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6. Update on NeT Development

Speaker: Cindy Hobus

Key Takeaways for this Webinar Section

- EPA HQ is developing Phase 2 data collection tools (e.g., general permit NOI data, annual report data) in NeT.
- During the NeT development process, EPA HQ needs active engagement from EPA Regional and authorized state staff. Authorized NPDES programs need to take the lead to specify the data for EPA to collect or how the authorized state intends to process the data collected.
- During the development process it will be necessary for EPA staff to engage with authorized State staff on a regular basis (e.g., weekly), in order to stay on schedule.
- EPA HQ will use the [NPDES eRule Phase 2 Implementation Dashboard](#) to provide timely updates to Regional and authorized state staff on NeT application deployment.

NeT Development Approach

- EPA is using a collaborative process to work with states that have elected to use EPA's NPDES electronic reporting tool or "NeT."
- This approach requires each permitting authority to initially provide basic information on each general permit and program report that will use NeT.
- More detailed information is required for permits and program reports are identified for development. This will ensure that NeT meets the needs of the regulatory authority.
- EPA sets up weekly meetings with states to document requirements for each general permit and program report.

NeT Development Approach

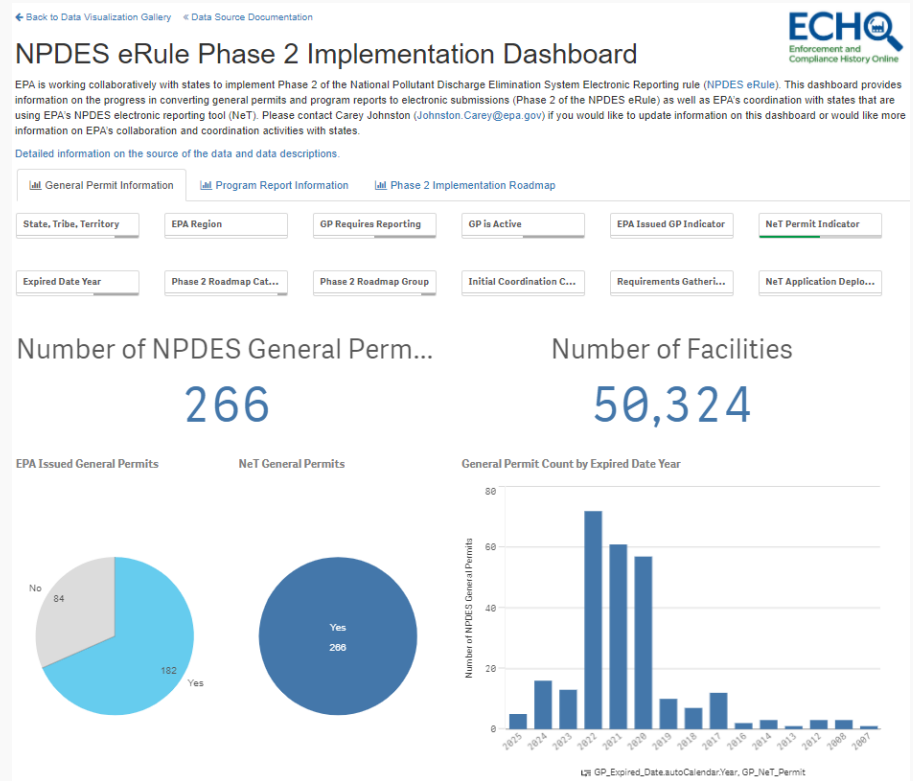
- EPA's approach for NeT development depends on the following key factors for success:
 - Collaboration with EPA Regions and states;
 - Increasing efficiency and quality of NeT application requirements gathering and deployments;
 - Reuse of forms and process flows whenever possible;
 - Reuse of code and services; and
 - Focusing on general permits and program reports that provide savings and benefits to the EPA Regional and state NPDES programs.

Overview of NeT Development

- EPA has developed NeT applications in the following sectors
 - Biosolids annual report for EPA (MVP deployed. No active work.)
 - Oil and Gas Extraction (MVP deployed for EPA's Western and Eastern GOM permits.)
 - Stormwater – Construction (MVP deployed for EPA, IL, UT; Remaining States: CT, ME, MS, VI. No active work.)
 - Stormwater – Industrial (MVP deployed for EPA, RI, UT; Remaining States: CT, IL, MD, ME, MS, SD, VI. Active ongoing work with EPA-MSGP (re-issued), IL, and SD).
 - Aquaculture (MVP deployed for EPA Region 10, ID, and UT; Remaining Region 1 and ME)
- EPA has also identified the following sectors for NeT development
 - Biosolids annual report (program report) for SD, TX, and UT (MVP deployed for TX, Active ongoing work with SD and UT expected to complete in December 2020.)
 - Stormwater – MS4 (general permit and program report) (Requirements gathering underway with Region 1, Region 2, DE, RI, and UT.)
 - Pesticide Application (general permit and permit-specific annual report) (Requirements gathering underway with OW/OWM. Seven states will also use NeT-PGP: CT, ID, IL, MD, NE, UT, and VI.)
 - Sewer Overflow/Bypass Report (program report) (Will be used by Regions 1, 2, 3, 6, and 9 as well as ten states: IL, KY, ME, MS, NE, RI, SD, TX, UT, and VI. EPA Regional and state contacts identified.)
 - Groundwater Remediation and Dewatering (general permit) (Will be used by Region 1 and seven states: CT, MD, MS, NE, RI, SD, and UT. Most permits expire late 2021 to 2024.)

Overview of NeT Development

- These categories meet one or more of the following criteria:
 - Include EPA general permits and program reports and cover large number of facilities
 - Have interested EPA Regional and state partners who are willing to invest time and resources to facilitate requirements gathering and testing
 - Potential for re-use of existing NeT applications.
- EPA keeps track of NeT deployments via the [Phase 2 Dashboard](#) and the [EPA NPDES eRule Phase 2 Roadmap](#).



https://edap.epa.gov/public/extensions/eRule_Phase2/eRule_Phase2.html

Phase 2 Tool Development

Quick observations from state agencies that are using NeT.

- Jill Riedel, Surface Water Quality Program, South Dakota
Department of Environment & Natural Resources
- Margarita H. Chatterton & Crystal Charbonneau, Rhode Island
Department of Environmental Management

NPDES EREPORTING TOOL (NET) DEVELOPMENT FOR RHODE ISLAND MULTI-SECTOR GENERAL PERMIT



January 2021

GOALS

- ▶ Meet E-Rule Requirements
- ▶ Create greater transparency and availability of information for the public
- ▶ Improve compliance
- ▶ Improve efficiency as RIPDES reporting requirements increase

ACTIONS REQUIRED

- ▶ Administrative (i.e. - MOU)
- ▶ Starting Point - Review NETMSGP Forms and compare with your forms
- ▶ Continuous Coordination with EPA's contractors to capture E-Rule and program data requirements
 - ▶ Forms and Reports (NOI, NOT, NEC, NDC)
 - ▶ Timelines
 - ▶ Language for automated authorizations and notifications



RESULTS

- ▶ Increased efficiency, accuracy and compliance
 - ▶ Reduced manual processing and entry for paper forms
 - ▶ The application restricts permittee to proceed when information is insufficient or inadequate
 - ▶ Exports – easy access to previously unused data
 - ▶ Notifications and reminders to permittees
- ▶ Increased Availability of Records
 - ▶ Public access to submissions
 - ▶ Creation of digital records for each facility



KEEP IN MIND

- ▶ RI was the test, every new NETMSGP user requires less investment of time and improves the process
- ▶ Review data needed to meet e-rule and support compliance
- ▶ Need an understanding of workflow
 - ▶ Is your authorization automatic? Or is there a review before permittee is authorized?
 - ▶ Do you require application fees? Annual fees?
 - ▶ Who in your department gets copied for notification and for what notifications?

OVERVIEW OF DATA MANAGEMENT AND SYSTEM IMPLEMENTATION AND USE

▶ Initial Setup

- ▶ ICIS data entry in preparation for implementation
- ▶ Considerations of data not flowing to ICIS and ICIS Reports (discuss avoiding direct data entry workarounds)

▶ Implementation

- ▶ User support and roles; identify issues requiring hotfixes
- ▶ Develop outreach materials and guidance; provide training to permittees

▶ Ongoing

- ▶ Continued management of user permission and user support (similar to time needed for NetDMR)
- ▶ Creating/tracking tickets filed with EPA's contractor when issues or enhancements are identified
- ▶ Maintaining/updating guidance as permittees use features of the program for the first time or when updates are implemented by the contractor – there is a need to continually test to ensure these updates are realized by the State



Takeaway: implementing the program is not a flip of the switch - takes time, thorough review and collaborating to implement, and requires continued State personnel time to continue success of the program

Overview of NeT Development

- EPA and state staff can view and test out these applications in our test environment: <https://test.epacdx.net/>.
- The NPDES eRule Help Desk is available to help you get setup. Call 877-227-8965 or email NPDESeReporting@epa.gov for assistance.
- EPA can also provide states with a demo of one or more of these applications.

Active Program Services List

NETAQUA: NeT - Aquaculture General Permit
NETBIO: NeT - Biosolids Annual Program Report
NETCGP: NeT - NPDES Stormwater Construction General Permit
NETEPAGEG: NeT - EPA Offshore Oil and Gas Extraction - Eastern Outer Continental Shelf NPDES Permit
NETEPAGMG: NeT - EPA Offshore Oil and Gas Extraction - Western Outer Continental Shelf NPDES Permit
NETMS4: NeT - NPDES Municipal Separate Storm Sewer System
NETMSGP: NeT - Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity

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electronic reporting

7. Update on NNCR Development

Speaker: Courtney Tuxbury

Key Takeaways for this Webinar Section

- 1) EPA is working closely with states to develop the new NPDES Noncompliance Report (NNCR) through regular workgroup meetings.
- 2) EPA is working with states to enhance and improve noncompliance tracking and resolution. EPA will document recommendations for states during this implementation.

NPDES Noncompliance Report (NNCR)

- NPDES eRule requires EPA to produce online noncompliance reports (NNCR) by:
 - December 21, 2022 (Phase 1 data); and
 - December 21, 2026 (Phase 2 data) or earlier as data become available.
- The Quarterly NNCR must include a list of all violations that occurred within the quarter, details about the violations, enforcement actions taken in response to the violations, and include any violations from previous quarterly reports not been documented as being corrected.
- The Annual NNCR is a summary of compliance monitoring and enforcement activities within each state, tribe, and territory.
- These noncompliance reports will show all violations detected by authorized NPDES programs or self-report by facilities.
- EPA is currently working with states to develop these reports.

Noncompliance Reporting: Key Planned Improvements

- Incorporate EPA and state comments on issues with or improvements to the QNCR
- Use plain language
- Available to the public in an easy-to-use interface (ECHO – Enforcement and Compliance History Online)
- Allow for multiple facility-level status
- Allow users to see what violations contributed to facility-level status
- Contain all violations, not only those that are considered Reportable Noncompliance (RNC), and will include new violations with full NPDES eRule implementation
- Include more details related to each violation
- Improve data quality needed for making compliance determinations

Noncompliance Reporting: Improving Data Quality

- To develop detailed requirements for the NNCR, the work group has looked closely at the existing RNC process to build and improve upon the logic that will be used to generate the planned quarterly and annual NNCR.
- To improve the accuracy of compliance determinations, workgroup reviewed and recommended updates to over 800 ICIS reference table values central to compliance determinations, which were implemented on October 30th.
- The workgroup has focused on noncompliance related to wastewater discharges but will turn to other sectors (e.g., biosolids, pretreatment, sewer overflows).
- The next steps for development is working through refining the violation classifications and designing the style of the user interface.

Noncompliance Reporting: EPA-state Workgroup

This workgroup meets bi-weekly on Wednesdays at 3 pm Eastern.

- Alaska
- Arizona
- Arkansas
- California
- Colorado
- Florida
- Georgia
- Hawaii
- Idaho
- Kentucky
- Louisiana
- Maryland
- Minnesota
- Mississippi
- Nevada
- New York
- North Dakota
- Oklahoma
- Oregon
- Pennsylvania
- Rhode Island
- Tennessee
- Texas
- Utah
- Virginia
- West Virginia
- Wyoming
- EPA Regions 1, 3 - 10
- EPA Office of Compliance
- EPA Office of Water
- EPA Office of Civil Enforcement
- ACWA

If interested in joining the NNCR Work Group, contact tuxbury.courtney@epa.gov.

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**Open Session for Questions and Comments
from Webinar Participants**

(Approx. 30 minutes)

2021 National NPDES eRule Webinar



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electronic reporting

Attachment – Background Info

Overview of Final Rule

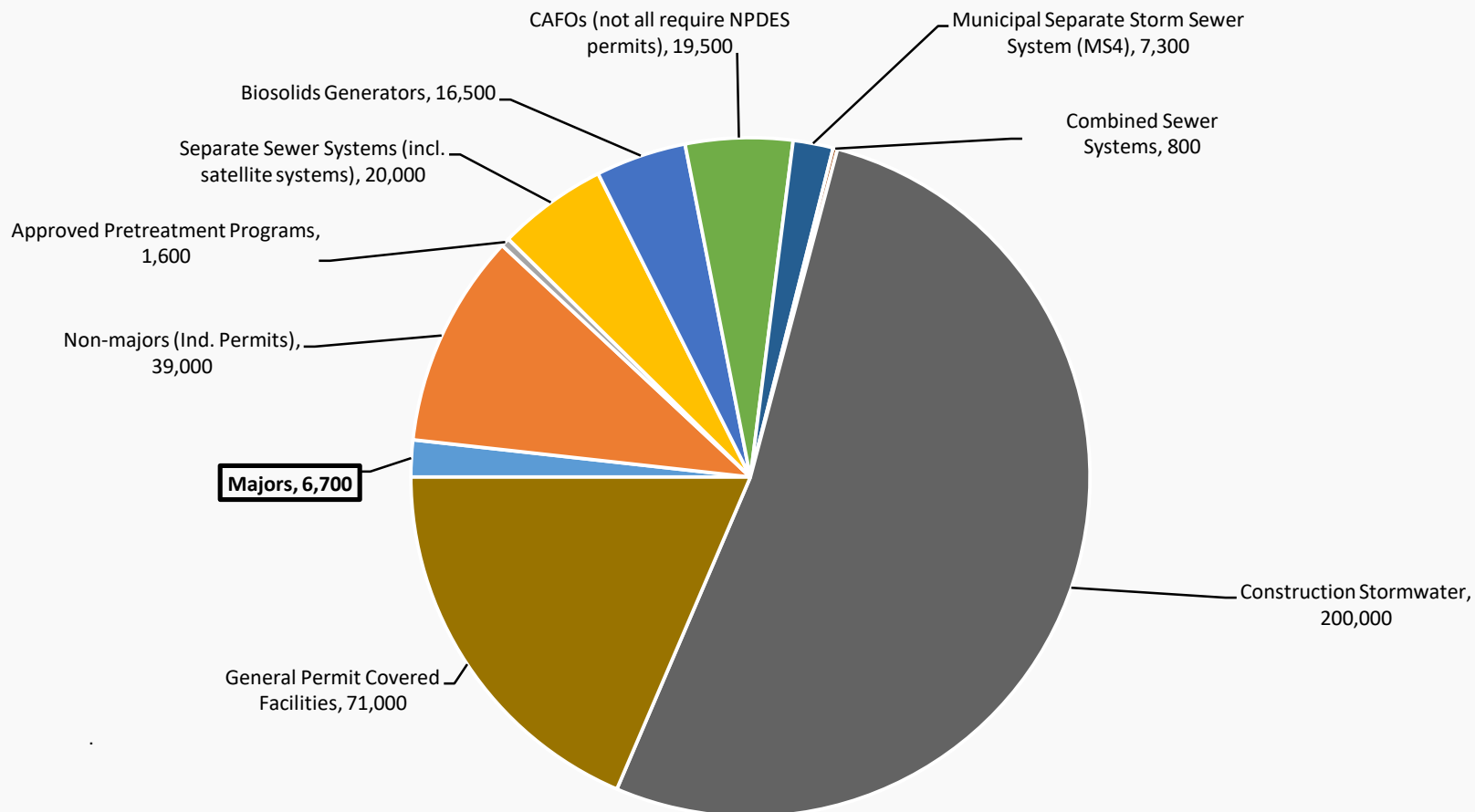
The NPDES Electronic Reporting rule (NPDES eRule) helps EPA and states clean up the nation's waters by:

- 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



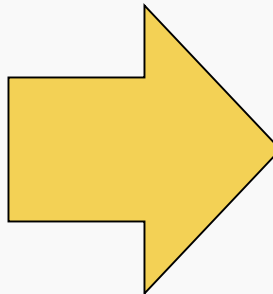
Note: This graph covers all discharge sources except for significant industrial users not under an approved pretreatment program. “General Permit Covered Facilities” category also counts facilities included in other categories (e.g., CAFOs).

Example Benefit of Electronic Reporting

Implementing NPDES electronic reporting can help automate violation detection. Below is an example from the biosolids annual report.



Before Electronic Reporting
(Approximately 2,400 paper biosolids annual report submissions to EPA)



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.

Today
(EPA's NeT-Biosolids automatically detects pollutant ceiling limit violations)

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)

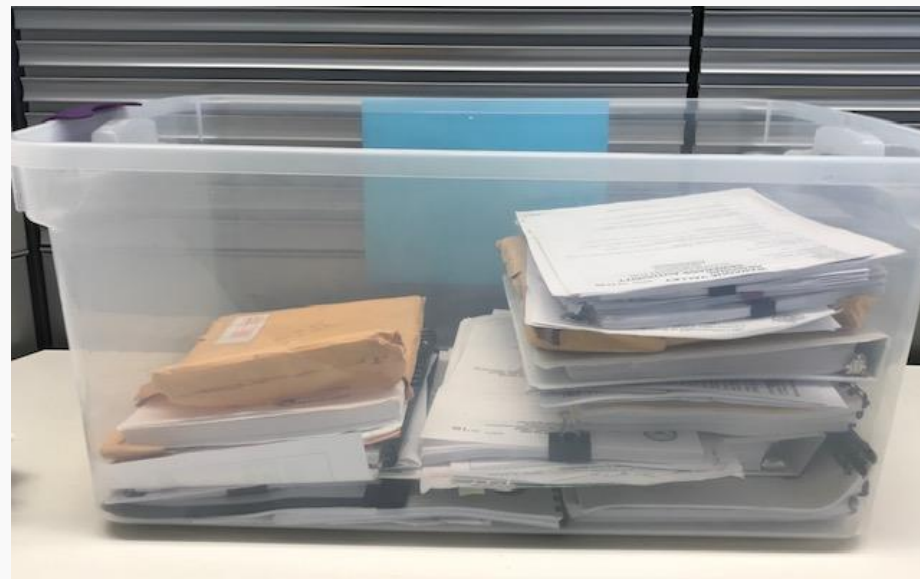
Phase 1 Progress

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)

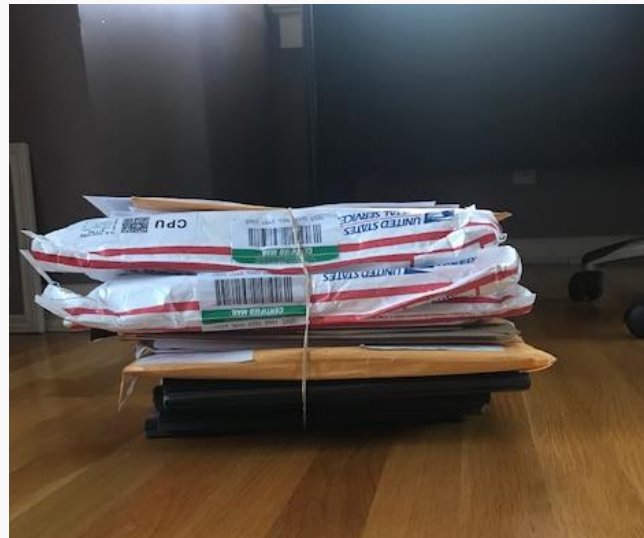


2019

3rd Year of Electronic Reporting
(2,290 electronic submissions with
52 paper submissions)

Phase 1 Progress

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

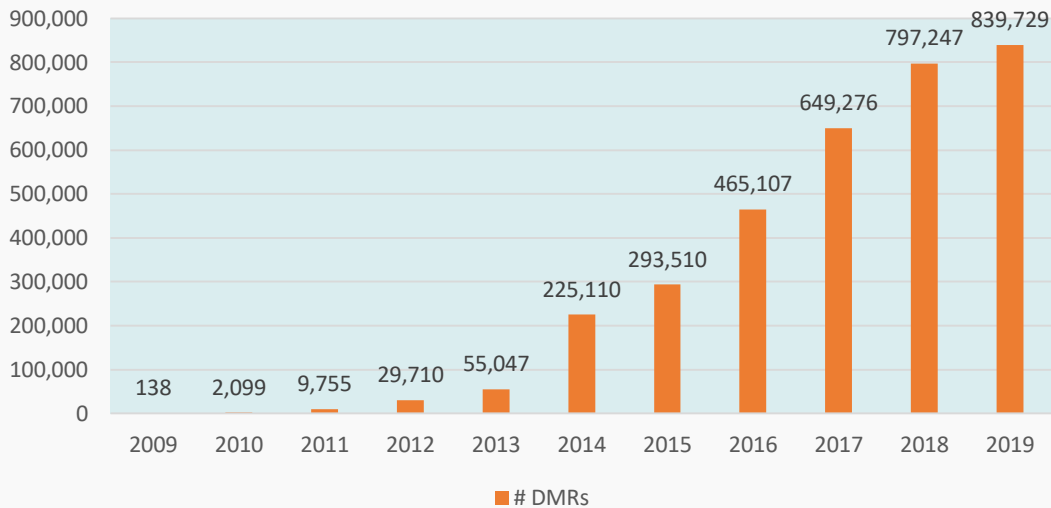


2020

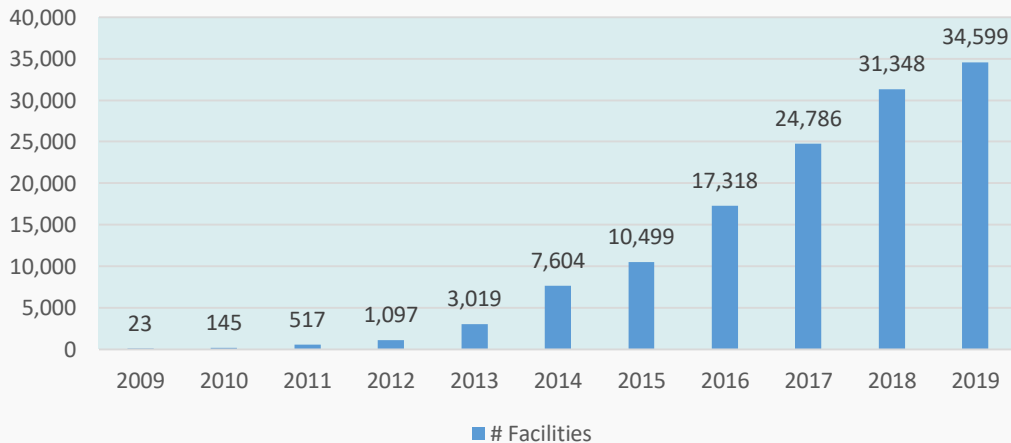
4th Year of Electronic Reporting
(2,260 electronic submissions with
14 paper submissions)

Phase 1 Progress

Number of DMRs Submitted through NetDMR (in ICIS)



Facilities with DMRs Submitted through NetDMR (in ICIS)



- There is a dramatic increase in the use of NetDMR since promulgation of the NPDES Electronic Reporting Rule in 2015.
- 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.

General Permit and Program Report Inventory

- Accompanying the final rule was an Information Collection Request (ICR) that requires states to regularly share timely information on the general permits and program reports that they issue and to conduct an annual review.
- EPA Form No. 6100-057 provides more instructions on the general permit and program report information to share with EPA.
- The following is the general permit information that states must share with EPA.
 - NPDES General Permit ID
 - State
 - NPDES General Permit Name
 - Link to NPDES General Permit (URL)
 - Link to Electronic Reporting Tool (URL)
 - Electronic Reporting Tool Initial Deployment Date
 - General Permit Issued Date
 - General Permit Effective Date
 - General Permit Expired Date

General Permit and Program Report Inventory

- The following is the general permit information that states must share with EPA (continued).
 - Estimate Number of General Permit Covered Facilities
 - EPA Issued General Permit (Yes/No)
 - General Permit will use EPA's NPDES Electronic Reporting Tool (or "NeT") (Yes/No)
 - General Permit Requires DMR Submissions (Yes/No)
 - General Permit Requires Program Report (Yes/No)
 - Industrial Category
 - General Permit Requires NOI Submission (Yes/No)
 - Timing of General Permit NOI Submissions
 - General Permit Will Be Renewed (Yes/No)

General Permit and Program Report Inventory

- The following is the program report information that states must share with EPA.
 - State
 - Program Report Type
 - Link to Electronic Reporting Tool (URL)
 - Electronic Reporting Tool Initial Deployment Date
 - Estimate Number of Program Report Filers
 - EPA Issued Program Report (Yes/No)
 - Program Report will use EPA's NPDES Electronic Reporting Tool (or "NeT")
- Authorized NPDES programs will share these data with EPA as their general permits and program reports and the related electronic reporting tools are updated or deployed.
- Authorized NPDES programs will also annually review and update EPA's inventory of general permits and program reports and the related electronic reporting tools.

Additional Flexibility for States - § 127.24(e)

- Each alternative Phase 2 compliance deadline request must:
 - Be submitted to EPA by the Director, as defined in 40 CFR 122.2;
 - Identify each general permit, program report, and related data elements covered by the request and the corresponding alternative compliance deadline(s);
 - Identify each facility covered by the request and the corresponding alternative compliance deadline(s) (Note: This only applies if the request covers some but not all facilities covered by the relevant general permit or program report requirement);
 - Be submitted at least 120 days prior to the then-applicable compliance deadline(s) in Table 1 to 40 CFR 127.16 or a previously EPA approved alternative compliance deadline; and
 - Provide a rationale for the delay and enough details (e.g., tasks, milestones, roles and responsibilities, necessary resources) to clearly describe how the program will successfully implement electronic reporting for the general permit, program report, and related data elements covered by the request.

Additional Flexibility for States - § 127.24(f)

- EPA will update its website and online “NPDES eRule Phase 2 Implementation Dashboard” to clearly identify the alternative Phase 2 compliance deadlines for each facility, general permit report, program report, and related data elements by authorized NPDES program.
- Separately, EPA will provide notice to the one or more authorized NPDES programs covered by each alternative Phase 2 compliance deadline through an email or letter.
- This EPA notice will detail how EPA will implement electronic reporting (when EPA is responsible for deploying one or more electronic reporting tools) or how EPA will receive data from authorized NPDES programs (when the state is responsible for deploying one or more electronic reporting tools).
- This additional flexibility will also allow more time for EPA and authorized NPDES programs to resolve any issues related to the sharing of Phase 2 data.

Clarifying Edits to NPDES eRule

- EPA amended the NPDES electronic reporting requirements in a final rule on November 2, 2020. The clarifying changes adopted in the final rule include:
 - Correct the title for 40 CFR 123.45;
 - Provide greater clarity and specificity for the NNCR Category I noncompliance definitions;
 - Correct Appendix A deficiency descriptions;
 - Correct data element name, description, and reference for Biosolids or Sewage Sludge – Land Application or Surface Disposal Deficiencies ;
 - Correct the title of the “Sewer Overflow/Bypass Event Report”;
 - Delete the following two data elements: Reportable Noncompliance Tracking and Reportable Noncompliance Tracking Start Date;
 - Provide greater clarity for the “Facility Concentrated Aquatic Animal Production (CAAP) Status” data element name and description;

Clarifying Edits to NPDES eRule

- Changes adopted in the final rule include (continued):
 - Provide greater clarity on the ‘Permit Component’ data element with respect to unpermitted facilities;
 - Provide greater clarity on the Notice of Termination (NOT) electronic reporting requirements;
 - Provide greater clarity on the “Applicable Effluent Limitations Guidelines” data element and delete the duplicative data element, “Applicable Categorical Standards”;
 - Provide greater clarity on the “Receiving Waterbody Name for Permitted Feature” data element name and description;
 - Require NAICS Code Data to match the 2019 NPDES Applications and Program Updates Final Rule; and
 - Add Variance Data Elements to Appendix A to match the 2019 NPDES Applications and Program Updates Final Rule.

Clarifying Edits to NPDES eRule

- The final rule makes two editorial changes to the NNCR language as noted below.
- Specifically, Arkansas provided comments on the criteria for monthly average permit limit violations for determining Category I noncompliance (underlined text below are the suggested additions).
 - Violations of monthly average permit effluent limits which exceed or equal the product of the Technical Review Criteria (TRC) times the permit effluent limit and occur in any two or more months in a six-month period.
 - Violations of monthly average permit effluent limits which are exceeded in any four or more months in a six-month period.
- EPA incorporated these changes into Appendix A, 40 CFR 123.45, as they provide greater clarity on how these criteria currently work as lower thresholds for triggering Category I noncompliance and represent the Agency's long-standing interpretation and implementation of these criteria (see Enforcement Management System: National Pollutant Discharge Elimination System (Clean Water Act), Chapter VII, DCN 0028).