

The background of the slide is composed of various overlapping, semi-transparent green polygons of different shades, creating a modern, abstract geometric pattern. The colors range from light lime green to a darker forest green.

EPA Pretreatment Guidance Manuals

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Office of Wastewater Management/
Water Permits Division

Pretreatment Publications Website

Over 100 documents

Issued 1978-2018

Searchable by:

- Document Title
- Date published
- Key term

<https://www.epa.gov/npdes/national-pretreatment-program-publications>



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National Pollutant Discharge Elimination System (NPDES)

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Water Quality Trading

NPDES Technical Resources

National Pretreatment Program Publications

The table below lists national pretreatment program publications. Use the table search and sort features to find a specific publication.

Pretreatment Events, Training and Webinars, and Publications Topics

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Search:

Title of document	Date Published	Description of document
Applicability of Categorical Pretreatment Standards to Arias Research Associates	1/3/1995	Letter on determination from EPA Region 9 on the applicability of categorical pretreatment standards to Arias Research Associates, Inc. on the basis of research and development (R&D) activities.

Broad Themes of EPA Pretreatment Publication/Guidance Topics

- ▶ How to Develop an Approved Pretreatment Program
 - ▶ Legal authority to implement the program (e.g., ordinances, multijurisdictional agreements)
 - ▶ *“Local Limits Development Guidance”* (2004)
 - ▶ Enforcement, Inspections and Sampling, development/implementation of Enforcement Response Plan, calculate economic benefit of noncompliance
 - ▶ Various memoranda
- ▶ How to Implement an Approved Pretreatment Program
- ▶ Oversight: *“Procedures Manual for Reviewing a POTW Pretreatment Program Submission”* (1983)
- ▶ Categorical Standards/Effluent Guidelines Applicability

Random screen shot of documents within the Pretreatment Publications table:

- Compliance & Split Samples
- Memo on Misuse of Sodium Dimethyldithiocarbamate
- SNC for non-monthly average limits
- Use of Grab Samples
- Mercury Minimization Plans
- Metals Translator

Guidance Manual for POTW Pretreatment Program Development (PDF) (457 K, About PDF)	1/25/1986	Guidance Manual on POTW Pretreatment Program Development and reprinting of the manual.
Memorandum: Determining Industrial User Compliance Using Split Samples (PDF) (2 pp, 751 K, About PDF)	1/21/1992	Memorandum to Mary Jo M. Aiello discussing how to evaluate compliance of analytical results from split samples.
Memorandum: Information on the Misuse of Sodium Dimethyldithiocarbamate (PDF) (38 K, About PDF)	6/2/2002	Memo from Michael B. Cook, Director of the Office of Wastewater Management, alerting users of potential problems that could arise from the misuse of sodium dimethyldithiocarbamate and associated compounds.
Memorandum: Revision of NPDES Significant Noncompliance (SNC) Criteria to Address Violations of Non-Monthly Average Limits (PDF) (335 K, About PDF)	9/21/1995	Memorandum that addressed NPDES significant non-compliance (SNC) criteria for violations of non-monthly average limits.
Memorandum: The Use of Grab Samples to Detect Violations of Pretreatment Standards (PDF) (2.1 MB, About PDF)	10/1/1992	This memorandum provides guidance for using single grab samples to evaluate compliance with Pretreatment Standards. In addition, the memorandum identifies circumstances when the analytical results from single grab sample may be used to determine or verify an industrial user's compliance with categorical standards and local limits.
Mercury Pollutant Minimization Program Guidance (PDF) (16 pp, 82 K, About PDF)	11/1/2004	This document from EPA Region 5 provides guidance for developing and implementing a systematic program to identify and minimize mercury contributed to publicly owned treatment works from industrial, commercial, and domestic sources.
Metals Translator: Guidance for Calculating a Total Recoverable Permit Limit from a Dissolved Criterion (PDF) (204 K, About PDF)	6/1/1996	A tool for environmental scientists and permit writers to use in calculating the amount of a metal that may be discharged from a facility to a surface water body based on how the metal is distributed or partitioned between water and sediments in the receiving stream (EPA 823-B-96-007).

Brief Glimpse into Effluent Guidelines Website for Categorical Standards Info:

www.epa.gov/eg

Jan will now demonstrate!
Let's look into "CWT" or Centralized Waste Treatment ELG 😊

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Effluent Guidelines

Steam Electric Power Generating Category

- [Reconsideration Rule - 2020](#)



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Current Actions

- [PFAS Advance Notice of Proposed Rulemaking](#) - comment period closes on May 16, 2021
- [Final Effluent Guidelines Program Plan 14](#)
- [Steam Electric Rule](#)
- [Nutrient Removal Study](#)

Effluent Guidelines are national regulatory standards for wastewater discharged to surface waters and municipal sewage treatment plants. EPA issues these regulations for industrial categories, based on the performance of treatment and control technologies.

Industry Regulations & Studies

[All existing & proposed regulations](#), including:

- Federal Register notices
- Support documents
- Industry studies

Ongoing Industry Studies

- [Electrical and Electronic Components](#)
- [Oil & Gas Extraction Wastewater Management](#)
- [Nutrient Removal & Secondary Technologies](#)

Learn About Effluent Guidelines

- [Key terms and concepts](#)
 - Development of Effluent Guidelines
- Levels of control: BPT, BAT, BCT, NSPS, PSNS, PSES
- Implementation
- Industries/pollutants not specifically regulated by Effluent Guidelines

Planning & Implementation

- [Effluent Guidelines Plan](#)
 - reviews of existing & potential regulations
- [Final Effluent Guidelines Program Plan 14](#)
- [Implementation and compliance](#)
 - permits, pretreatment, enforcement

Pollutants, Analytical Methods, Research

Pollutant discharges regulated by Effluent Guidelines must be measured with approved analytical methods.

- [Toxic & Priority Pollutant lists](#)
- [Laboratory analytical methods](#)
- [Industrial Wastewater Treatment Technology Database](#)

Guidance that EPA is currently updating

Request from ACWA	Document Title (date)
✓	1. Combined Wastestream Formula Worksheet 2. Production-Based Standards Worksheet 3. Choosing Appropriate Data Worksheet Identified as uncompleted Appendices to Industrial User Permitting Manual - 2012 Considered as addendum to Guidance Manual for the Use of Production-Based Pretreatment Standards and the Combined Wastestream Formula-1985
✓	Guidance for Developing Control Authority Enforcement Response Plans - 1989
✓	Multijurisdictional Pretreatment Programs Guidance Manual - 1994
✓	Updating Figures in Introduction to the National Pretreatment Program - 2011 Attachment 2-1: State and Territory Program Authorization Status. Attachment 3-1: Summary of Categorical Standards Other? _____
✓	Guidance for Conducting PCI (1991) // PCAs (2010)
	pH FAQs (multiple dates from multiple preambles, regulations, guidance)

Other Issues from ACWA's List

Request from ACWA	Topic / Document Title (date)
✓	Effluent Guidelines specific topics: <ul style="list-style-type: none">• Guidance regarding Electroplating (§413 - 1981) and Metal Finishing (§433 - 1983) applicability, new chemistries• Website Updates: Complete List of Pretreatment Effluent Limit Guidelines and Development Documents• Various ELG category determinations
✓	Compliance and Enforcement related topics: <ul style="list-style-type: none">• Program Enforcement Metrics and Evaluation Efficiencies (PCI vs. PCA, etc.)• Guidance for Reporting and Evaluating POTW Noncompliance with Pretreatment Implementation Requirements (1990)• NPDES Electronic Reporting Rule - Where States have Control Authority responsibilities
✓	<ul style="list-style-type: none">• Guidance Manual for POTW Pretreatment Program Development (1983)• Procedures Manual for Reviewing a POTW Pretreatment Program Submission (1983)<ul style="list-style-type: none">• Beta Update 2014
✓	TRAINING

Established **EPA Council on PFAS (ECP)**

“PFAS 2021- 2025: Safeguarding America’s Waters, Air and Land”

Memorandum signed **April 27, 2021:**

- ▶ ECP will review all ongoing actions, propose any necessary modifications, and identify new strategies and priorities. The ECP shall make initial recommendations within 100 days of its establishment
- ▶ Close interagency coordination on regional specific and cross-media issues to assist states, Tribes, and local communities faced with significant and complex PFAS challenges.
- ▶ Work with all national program offices and regions to maximize the impact of EPA’s funding and financing programs and leverage federal and state funds to support cleanup of PFAS pollution, particularly in underserved communities.
- ▶ Expand engagement opportunities with federal, state, and tribal partners to ensure consistent communications, exchange information, and identify collaborative solutions

https://www.epa.gov/sites/production/files/2021-04/documents/per-and_polyfluoroalkyl_substances.memo_.signed.pdf

PFAS Activities that the ECP May Guide

- ▶ **Interim Guidance on Destroying and Disposing of Certain PFAS and PFAS-Containing Materials That Are Not Consumer Products (85 FR 83554)**
 - ▶ Outlines current state of the science on techniques and treatments that may be used to destroy or dispose of PFAS and PFAS-containing materials from non-consumer products, including aqueous film-forming foam (for firefighting).
 - ▶ Published in Federal Register on Dec. 22, 2020. Comments due Feb. 22, 2021
<https://www.govinfo.gov/content/pkg/FR-2020-12-22/pdf/2020-28376.pdf>
- ▶ **Safe Drinking Water Act Final regulatory determination for PFOA, PFOS**
- ▶ **More SDWA: Fifth Unregulated Contaminant Monitoring Rule (UCMR 5)**
- ▶ **Final Effluent Guidelines Program Plan 14**
- ▶ **Interim Strategy for NPDES Permits**

Final Effluent Guidelines Program Plan 14

Published in the Federal Register -
January 11, 2021, 86 FR 1960

https://www.epa.gov/sites/production/files/2021-01/documents/eg-plan-14_jan-2021.pdf

Chapter 6 - Ongoing ELG Studies

6.4 Study of Per- and Polyfluoroalkyl Industrial Sources & Discharges

- ▶ Update on the Pre- and Polyfluoroalkyl Substances (PFAS) Multi-Industry study
 - ▶ Scope: organic chemical manufacturers, airports, rug and textile manufacturers, pulp and paper manufacturers, and the metal finishing point source categories
 - ▶ Types of information regarding PFAS that has been received to date
 - ▶ EPA continues to evaluate this information to inform decisions about how best to address industrial PFAS discharges
- ▶ Organic Chemicals, Plastics & Synthetic Fibers Point Source Category (40 CFR 414)
 - ▶ Advanced Notice of Potential Rule-Making published March 17, 2021, 86 FR 14560
 - ▶ Comments due May 17, 2021
 - ▶ Docket ID No. EPA-HQ-OW-2020-0582 at <https://www.regulations.gov/>
- ▶ EPA continues to collect information and data

Interim Strategy for PFAS in Federally-Issued NPDES Permits

Memorandum issued
November 22, 2020.

- ▶ Permit requirements for phased-in monitoring and BMPs where PFAS expected to be present in Point Source Discharges
 - ▶ Monitoring triggered after multi-lab validated methods are public
 - ▶ BMPs as appropriate for direct and indirect discharges
- ▶ Permit requirements for phased-in monitoring and BMPs where PFAS expected to be present in Stormwater Discharges
 - ▶ Outreach, education
 - ▶ Stormwater P2 Plans
 - ▶ Detection/Elimination and Inspections/monitoring
- ▶ Information sharing - “permit compendium” continued discussions and training at federal and state levels

https://www.epa.gov/sites/production/files/2020-11/documents/pfas_npdes_interim_strategy_november_2020_signed.pdf

Water Permits Division Pretreatment Team

Engineering Analysis Division

Analytical Methods

Organic Chemicals, Plastics, &
Synthetic Fibers ELG

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