

A silver mountain bike is parked on a rocky cliff edge. The bike is the central focus, with its handlebars, seat, and tires clearly visible. The background shows a deep valley with a river winding through it, surrounded by green vegetation and red rock formations. The sky is clear and blue.

EPA Update

Al Garcia

Region 8 Pretreatment Workshop

May 9, 2018

Preliminary 2016 Effluent Limitation Guidelines Plan

- Published for Public Comment-June 27, 2016
- Final 2016 ELG Plan –May 2, 2018

<https://www.epa.gov/eg/current-effluent-guidelines-program-plan>

Final 2016 ELG Plan

- New Rulemaking – potentially revise 2015 Steam Electric ELG
- Results of Preliminary category reviews
- Studies:
 - Petroleum Refining
 - Electronics and Electrical Components
 - Metal Finishing
 - CWT/Holistic Oil and Gas Study

Steam Electric (40 CFR 423)

- Promulgated in November 2015
 - bottom ash transport water and flue gas desulfurization (FGD) wastewater
- PSES - November 2018
- Administrator announced in Aug 2017 to potentially revise
- Sept 2017 Final Rule- postpone to Nov 1, 2020
- Proposed Revision Rule in 2018?

Not Continuing Studies

- Battery Manufacturing – 40 CFR 461
 - Did not ID any uncontrolled pollutants at the category wide issue
 - Industry trending to zero discharge
- Food and Beverage Manufacturing
- Metal Finishing – 40 CFR 433

Metal Finishing

- No substantial changes in process(es) or treatment technologies
- Applicability Issues
 - Use of phosphoric acid and other weak acids
 - Definition of phosphating/phosphatizing vs. use of phosphate detergents

CWT/Holistic Oil and Gas Study

- Found 10 existing CWTs managing oil and gas extraction wastewater
 - Do not include adequate technology
- Continue studying as part of the holistic oil and gas study
 - Intend to engage with stakeholders to evaluate all approaches
 - Important in areas of water scarcity

Pollutant Specific Studies

National Study of Nutrient Removal and Secondary Technologies

- Nutrient Removal at POTWs
- Plan to integrate industrial wastewater nutrient discharges into study – Preliminary 2018 ELG plan

Perfluoroalkyl Substances (PFAS)

- Surfactants, oil and water repellent coatings
- Highly stable carbon-fluorine bonds
- PFOS (sulfonate) – 8 carbon chains
- PFOA (carboxylic acid) – 6 carbon chains
 - Bio-accumulative, persistent, and potentially toxic synthetic compounds
- Study of discharges from industrial applications of long chain PFAS

PFAS Sources

- Platers- chemical fume suppressants, demisters, defoamers, wetting agents, surfactants
- Leather and fabric treaters, tanneries
- Paper and packaging manufacturers
- MFG-parts with PTFE coatings (bearings, wire, etc.)
- Landfill leachate
- CWT
- AFF fire fighting foam

Rules / Regulations

EPA Effluent Limitations Guidelines

<https://www.epa.gov/eg/industrial-effluent-guidelines>

Electronic CFR

<http://www.ecfr.gov/cgi-bin/ECFR?page=browse>

Electronic Reporting Rule

- Federal Register – October 22, 2015
- Final Rule-NPDES E-Reporting Rule-FR Vol 80, No 204-pp 64064-64158
- **Effective Date – December 21, 2015**

Electronic Reporting Rule

- **Phase 1 – DMR Submissions & Biosolids Reports (21 Dec 2016)**
- **Phase 2 – General Permit and Program Reports (21 Dec 2020)**

Pretreatment Annual Reports

- EPA requires all Pretreatment annual program reports to be electronically submitted to states or EPA in 2020 (Phase 2).
- Technical Workgroup - Every 2 weeks
- Pretreatment Annual Report

Region 8 Annual Report Database

EPA Region 8 Industrial Pretreatment Program

Annual Report of POTW Implementation

Last Updated: 06-26-2016

Built for Microsoft Excel 2013 or newer

Enter Permit Number

C00026638

Enter Year to use as Baseline

2015

Generate File

Pretreatment Guidance

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

EPA Region 8

- ND and SD – Pretreatment Streamlining Rule Updates
 - Meeting with Local programs to discuss impact of the State Rule
- Dental Amalgam – later this afternoon
- Approved Programs
- Non-approved programs

EPA Contact Info

Al Garcia

EPA Region 8 Pretreatment Coordinator

303.312.6382

garcia.al@epa.gov