

## ATTACHMENT 3-1: SUMMARY OF CATEGORICAL STANDARDS

EPA has established categorical pretreatment standards (for indirect dischargers) for 35 categories. Plans for EPA's expansion and modification of the list are detailed in the *Effluent Guidelines Plan*, published in the *Federal Register* biennially as required at CWA section 304(m). The list of the industrial categories that have categorical pretreatment standards—Pretreatment Standards for Existing Sources (PSES) and Pretreatment Standards for New Sources (PSNS)—as of December 2024 is provided below.

**Summary of categorical pretreatment standards**

No.	Category	40 CFR Part	Subparts	Type of standard	Overview of pretreatment standards
1	Aluminum Forming	467	A–F	PSES PSNS	Limits are production-based daily maximums and monthly averages. Subpart C prohibits discharges from certain operations.
2	Battery Manufacturing	461	A, C, D	PSES	Limits are production-based daily maximums and monthly averages. No discharge is allowed from any process not specifically identified in the regulations. Subparts B and E do not have PSES. They are reserved.
			A–G	PSNS	
3	Carbon Black Manufacturing	458	A–D	PSNS	Limits are for oil and grease only (no duration specified).
4	Centralized Waste Treatment	437	A–D	PSES PSNS	Limits are concentration-based daily maximums and monthly averages.
5	Coil Coating	465	A–D	PSES PSNS	Limits are production-based daily maximums and monthly averages.
6	Concentrated Animal Feeding Operations (CAFO)	412	B	PSNS	Discharge of process wastewater is prohibited, except when there is an overflow resulting from a chronic or catastrophic rainfall event.
7	Copper Forming	468	A	PSES PSNS	Limits are production-based daily maximums and monthly averages.
	Dental Office <sup>1</sup>	441	—		<u>See footnote</u>

Table is current as of December 2024.

<sup>1</sup> The Dental Office Category rule, codified at 40 CFR 441, applies to dental facilities that discharge to publicly owned treatment works (POTWs) (e.g., municipal sewage system) that place or remove amalgam. Existing and new sources must submit a one-time compliance report to their pretreatment Control Authority certifying compliance with technology and best management practices. This rule establishes that dental dischargers are not significant industrial users (SIUs), or categorical industrial users (CIUs) as defined in 40 CFR part 403 unless designated as such by the control authority.

No.	Category	40 CFR Part	Subparts	Type of standard	Overview of pretreatment standards
8	Electrical and Electronic Components	469	A–C	PSES	Limits are concentration-based daily maximums and 30-day averages or monthly averages (varies per subpart and pollutant parameter). Certification is allowed in lieu of monitoring for certain pollutants when a management plan is approved and implemented.
			A–D	PSNS	
9	Electroplating	413	A, B, D–H	PSES	Limits are concentration-based (or alternative mass-based equivalents) daily maximums and four-consecutive-monitoring-days averages. Two sets of limits exist, depending on whether facility is discharging more or less than 10,000 gpd of process wastewater. Certification is allowed in lieu of monitoring for certain pollutants when a management plan is approved and implemented.
10	Fertilizer Manufacturing	418	A–G	PSNS	Limits may specify zero discharge of wastewater pollutants (Subpart A), production-based daily maximums, and 30-day averages (Subparts B–E) or may be concentration-based (Subparts F–G), with no duration of limit specified.
11	Glass Manufacturing	426	H K–M	PSNS	Limits are concentration- or production- based daily maximums and monthly averages.
12	Grain Mills	406	A	PSNS	Discharge of process wastewater is prohibited at a flow rate or mass loading rate (BOD <sub>5</sub> and TSS) that is excessive during periods when a POTW is receiving peak loads.
13	Ink Formulating	447	A	PSNS	Regulations specify no discharge of process wastewater pollutants to a POTW.

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No.	Category	40 CFR Part	Subparts	Type of standard	Overview of pretreatment standards
14	Inorganic Chemicals Manufacturing	415	A, B, F, L, AH, AJ, AL, AR, AU, BABC, BL, BM, BO	PSES	Limits vary for each subpart with a majority of the limits' concentration-based, daily maximums, and 30-day averages, or they may specify no discharge of wastewater pollutants.
			B-F, H, K-N, P, Q, T, V, AA, AC, AE, AH-AJ, AL, AN,- AP-AR, AU, AX BB, BC, BH, BK-BO	PSNS	
15	Iron and Steel Manufacturing	420	A-F, H-J, L	PSES PSNS	Limits are production-based daily maximums and monthly averages. <sup>2</sup>
16	Leather Tanning and Finishing	425	A-I	PSES PSNS	Limits are concentration-based daily maximums and monthly averages. In certain instances, applicability of pretreatment standards is dictated by volume of production.
17	Metal Finishing	433	A	PSES PSNS	Limits are concentration-based daily maximums and monthly averages. Certification is allowed for certain pollutants where a management plan is approved and implemented.
18	Metal Molding and Casting	464	A-D	PSES PSNS	Limits are primarily production-based daily maximums and monthly averages. Discharges from certain processes are prohibited (Subparts A-C).
19	Nonferrous Metals Forming and Metal Powders	471	A-F, I-J	PSES	Limits are production-based daily maximums and monthly averages. In some instances, the discharge of wastewater pollutants is prohibited. Subparts G and H do not have PSES. They are reserved
			A-J	PSNS	

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<sup>2</sup> Section 14.7 of the development document states that the intent for the "average of daily values for 30 consecutive days" is to be a monthly average.

No.	Category	40 CFR Part	Subparts	Type of standard	Overview of pretreatment standards
20	Nonferrous Metals Manufacturing	421	C, F–M, P, Q, V, X, Y, AA–AC	PSES	Limits are production-based daily maximums and monthly averages. PSES (Subpart F) specify no discharge from existing facilities of process wastewater pollutants to the POTW except for some stormwater events.
			B–Z, AA–AE	PSNS	Limits are production-based daily maximums and monthly averages. PSNS (Subparts D and F) specify no discharge from existing facilities of process wastewater pollutants to the POTW.
21	Oil and Gas Extraction	435	C, D	PSES PSNS	Subpart C specifies no discharge of process wastes from unconventional oil and gas extraction. PSES and PSNS are reserved for conventional oil and gas extraction in Subpart C. Subpart D specifies no discharge of wastes (e.g., produced water, drill cuttings) to a POTW.
22	Organic Chemicals, Plastics, and Synthetic Fibers	414	B–H, K	PSES PSNS	Limits are mass-based (concentration-based standards multiplied by process flow) daily maximums and monthly averages. Standards for metals and cyanide apply only to metal- or cyanide-bearing wastestreams.
23	Paint Formulating	446	A	PSNS	Regulations specify no discharge of process wastewater pollutants to the POTW.
24	Paving and Roofing Materials (Tars and Asphalt)	443	A–D	PSNS	Limits are for oil and grease only (no limit duration specified).
25	Pesticide Chemicals	455	A, C, E	PSES PSNS	Limits are mass-based (concentration-based standards multiplied by process flow) daily maximums and monthly averages. Subpart C specifies no discharge of process wastewater pollutants but provides for pollution-prevention alternatives. Subpart E specifies no discharge of process wastewater pollutants.
26	Petroleum Refining	419	A–E	PSES PSNS	Limits are concentration-based (or mass-based equivalent) daily maximums.

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No.	Category	40 CFR Part	Subparts	Type of standard	Overview of pretreatment standards
27	Pharmaceutical Manufacturing	439	A–D	PSES PSNS	Limits are concentration-based daily maximums and monthly averages. Such facilities may certify that they do not use or generate cyanide in lieu of performing monitoring to demonstrate compliance.
28	Porcelain Enameling	466	A–C	PSES	Limits are concentration-based (or alternative production-based) daily maximums and monthly averages. Subpart B prohibits discharges from certain operations. Subpart D does not have PSES.
			A–D	PSNS	
29	Pulp, Paper, and Paperboard	430	A–G, I–L	PSES PSNS	Limits are production-based daily maximums and monthly averages. Such facilities may certify that they do not use certain compounds in lieu of performing monitoring to demonstrate compliance. Facilities subject to Subparts B and E must also implement BMPs as identified.
30	Rubber Manufacturing	428	E–K	PSNS	Limits are concentration- or production-based daily maximums and monthly averages.
31	Soap and Detergent Manufacturing	417	O–R	PSNS	Regulations specify no discharge of process wastewater pollutants to a POTW when the wastewater chemical oxygen demand (COD)/BOD <sub>7</sub> ratio exceeds 10.0 and the COD concentrations exceed subcategory specific concentrations.
32	Steam Electric Power Generating	423	—	PSES PSNS	Limits are concentration-based daily maximums, or <i>maximums for any time</i> , or compliance may be demonstrated through engineering calculations.
33	Timber Products Processing	429	F–H	PSES PSNS	All PSNS (and PSES for Subpart F) prohibit the discharge of wastewater pollutants. PSES for Subparts G and H are concentration-based daily maximums (with production-based alternatives).
34	Transportation Equipment Cleaning	442	A–C	PSES PSNS	Operators subject to effluent guidelines in subparts A–B must either meet concentration-based daily maximum standards or develop a Pollutant Management Plan. Operators subject to effluent guidelines in subpart C must meet concentration-based daily maximum standards.

<b>No.</b>	<b>Category</b>	<b>40 CFR Part</b>	<b>Subparts</b>	<b>Type of standard</b>	<b>Overview of pretreatment standards</b>
35	Waste Combustors	444	A	PSES PSNS	Limits are concentration-based daily maximums and monthly averages.

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Note: If a categorical standard requires an indirect discharger to comply with 40 CFR Part 403 and does not include additional requirements for that particular categorical standard (for example, a certification or best management practice), any indirect discharger subject to that categorical standard should not be classified as a CIU. Whether or not they meet the definition of SIU would need to be assessed based on flow and loading criteria, as well as whether the IU has potential to cause harm to the POTW.