

ENVIRONMENTAL PROTECTION AGENCY

[40 CFR Part 421]

[FRL-338-5]

NONFERROUS METALS MANUFACTURING POINT SOURCE CATEGORY

Effluent Limitations and Guidelines for Ex- isting Sources and Standards of Per- formance and Pretreatment

Notice is hereby given that standards of performance and pretreatment standards for new sources and pretreatment standards for existing sources set forth in tentative form below are proposed by the Environmental Protection Agency (EPA). On March 26, 1974, EPA promulgated a regulation adding Part 421 to Chapter 40 of the Code of Federal Regulations (39 FR 12822). That regulation with subsequent amendments established effluent limitations and guidelines for existing sources and standards of performance and pretreatment standards for new sources for the nonferrous metals manufacturing point source category. The regulation proposed below will amend 40 CFR 421—nonferrous metals manufacturing point source category by adding §§ 421.44, 421.45 and 421.46 to the primary copper smelting subcategory (Subpart D), §§ 421.54, 421.55 and 421.56 to the primary copper refining subcategory (Subpart E), §§ 421.64, 421.65 and 421.66 to the secondary copper subcategory (Subpart F), §§ 421.74, 421.75 and 421.76 to the primary lead subcategory (Subpart G) and §§ 421.84, 421.85 and 421.86 to the primary zinc subcategory (Subpart H) pursuant to sections 306(b) and 307 (b) and (c) of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251, 1316(b) and 1317 (b) and (c), 86 Stat. 816 et seq.; Pub. L. 92-500) (the Act). Simultaneously with this proposed rule making EPA is promulgating interim final regulations which establish the above listed subparts.

(a) *Legal Authority.* Section 306 of the Act requires the achievement by new sources of a Federal standard of performance providing for the control of the discharge of pollutants which reflects the greatest degree of effluent reduction which the Administrator determines to be achievable through application of the best available demonstrated control technology, processes, operating methods, or other alternatives, including, where practicable, a standard permitting no discharge of pollutants.

Section 306(b) (1) (B) of the Act requires the Administrator to propose regulations establishing Federal standards of performance for categories of new sources included in a list published pursuant to section 306(b) (1) (A) of the Act. The Administrator published in the FEDERAL REGISTER of January 16, 1973, (38 FR 1624) a list of 27 source categories, including the nonferrous metals manufacturing category. The regulations proposed herein set forth the standards of performance applicable to new sources for the primary copper smelting subcategory (Subpart D), the primary copper refining subcategory (Subpart E),

the secondary copper subcategory (Subpart F), the primary lead subcategory (Subpart G), and the primary zinc subcategory (Subpart H) of the nonferrous metals manufacturing point source category.

Section 307(c) of the Act requires the Administrator to promulgate pretreatment standards for new sources at the same time that standards of performance for new sources are promulgated pursuant to section 306. Sections 421.46, 421.56, 421.66, 421.76, and 421.86, proposed below, provide pretreatment standards for new sources within the primary copper smelting subcategory (Subpart D), the primary copper refining subcategory (Subpart E), the secondary copper subcategory (Subpart F), the primary lead subcategory (Subpart G), and the primary zinc subcategory (Subpart H) of the nonferrous metals manufacturing point source category. Section 307(b) of the Act requires the establishment of pretreatment standards for pollutants introduced into publicly owned treatment works and 40 CFR 128 establishes that the Agency will propose specific pretreatment standards at the time effluent limitations are established for point source discharges. Sections 421.44, 421.54, 421.64, 421.74 and 421.84 proposed below provide pretreatment standards for existing sources within the primary copper smelting subcategory (Subpart D), the primary copper refining subcategory (Subpart E), the secondary copper subcategory (Subpart F), the primary lead subcategory (Subpart G), and the primary zinc subcategory (Subpart H) of the nonferrous metals manufacturing point source category.

(b) *Summary and basis of proposed standards of performance and pretreatment standards for new sources and pretreatment standards for existing sources.* The general methodology and summary of conclusions are discussed in considerable detail in the preamble of the interim final regulations for the primary copper smelting subcategory (Subpart D), the primary copper refining subcategory (Subpart E), the secondary copper subcategory (Subpart F), the primary lead subcategory (Subpart G), and the primary zinc subcategory (Subpart H) which are being promulgated by EPA simultaneously with publication of this proposed regulation. The information contained in the preamble to the interim final regulation is incorporated herein by reference. The proposed regulation set forth below proposes pretreatment standards for pollutants introduced into publicly owned treatment works. The proposal will establish for each subpart the extent of application of effluent limitations to existing sources and to new sources which discharge to publicly owned treatment works. The regulation is intended to be complementary to the general regulation for pretreatment standards for existing sources set forth at 40 CFR 128. The general regulation was proposed July 19, 1973 (38 FR 19236), and published in final form on November 8, 1973 (38 FR 30982). The regulation proposed below applies to

users of publicly owned treatment works which fall within the description of the point source category to which the limitations and standards apply. However, the proposed pretreatment regulation applies to the introduction of pollutants which are directed into a publicly owned treatment works, rather than to discharges of pollutants to navigable waters.

The general pretreatments standard divides pollutants discharged by users of publicly owned treatment works into two broad categories; "compatible" and "incompatible." Compatible pollutants are generally not subject to pretreatment standards. However, 40 CFR 128.131 (prohibited wastes) may be applicable to compatible pollutants. Additionally, local pretreatment requirements may apply (See 40 CFR 123.110). Incompatible pollutants are subject generally to pretreatment standards as provided in 40 CFR 128.133.

Sections 421.44, 421.54, 421.64, 421.74 and 421.84 of the regulation proposed below are intended to implement that portion of § 128.133, above, requiring that a separate provision be made stating the application to pretreatment standards of effluent limitations based upon best practicable control technology currently available.

Questions were raised during the public comment period on the proposed general pretreatment standard (40 CFR 128) about the propriety of applying a standard based upon best practicable control technology currently available to all plants subject to pretreatment standards. In general, EPA believes the analysis supporting the effluent limitations and guidelines is adequate to make a determination regarding the application of those standards to users of publicly owned treatment works. However, to ensure that those standards are appropriate in all cases, EPA now seeks additional comments focusing upon the application of effluent limitations guidelines to users of publicly owned treatment works.

The reports entitled "Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Primary Copper Smelting Subcategory and the Primary Copper Refining Subcategory of the Copper Segment of the Nonferrous Metals Manufacturing Point Source Category", "Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Secondary Copper Subcategory of the Copper Segment of the Nonferrous Metals Manufacturing Point Source Category", "Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Lead Segment of the Nonferrous Metals Manufacturing Point Source Category", and "Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Zinc Segment of the Nonferrous Metals Manufacturing Point Source Category", detail the analyses undertaken in support of the regulation

being proposed herein and are available for inspection in the EPA Information Center, Room 227, West Tower, Waterside Mall, Washington, D.C., at all EPA regional offices, and at State water pollution control offices. A supplementary analysis prepared for EPA of the possible economic effects of the proposed regulation is also available for inspection at these locations. Copies of these documents are being sent to persons or institutions affected by the proposed regulation or who have placed themselves on a mailing list for this purpose (see EPA's advance notice of public review procedures, 38 FR 21202, August 6, 1973). An additional limited number of copies of these reports are available. Persons wishing to obtain a copy may write the EPA Information Center, Environmental Protection Agency, Washington, D.C. 20460, Attention: Mr. Philip B. Wisman.

When this regulation is promulgated, revised copies of the Development Documents will be available from the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402. Copies of the Economic Analysis will be available through the National Technical Information Service, Springfield, Virginia 22151.

(c) *Summary of public participation.* A full listing of participants and discussion of comments and responses is included in the preamble of the interim final regulation for the primary copper smelting subcategory, the primary copper refining subcategory, the secondary copper subcategory, the primary lead subcategory, and the primary zinc subcategory being simultaneously promulgated by EPA and are incorporated herein by reference.

Interested persons may participate in this rulemaking by submitting written comments in triplicate to the EPA Office of Public Affairs, Environmental Protection Agency, Washington, D.C. 20460, Attention: Ms. Ruth Brown, A-107. Comments on all aspects of the proposed regulation are solicited. In the event comments are in the nature of criticisms as to the adequacy of data which are available, or which may be relied upon by the Agency, comments should identify and, if possible, provide any additional data which may be available and should indicate why such data are essential to the development of the regulations. In the event comments address the approach taken by the Agency in establishing a standard of performance or pretreatment standard, EPA solicits suggestions as to what alternative approach should be taken and why and how this alternative better satisfies the detailed requirements of sections 306 and 307(b) and (c) of the Act.

A copy of all public comments will be available for inspection and copying at the EPA Freedom of Information Center, Room 204, West Tower, Waterside Mall, 401 M Street, SW, Washington, D.C. A copy of preliminary draft contractor reports, the Development Documents and economic study referred to above, and certain supplementary materials sup-

porting the study of the industry concerned will also be maintained at this location for public review and copying. The EPA information regulation, 40 CFR Part 2, provides that a reasonable fee may be charged for copying.

All comments received on or before March 31, 1975 will be considered. Steps previously taken by the Environmental Protection Agency to facilitate public response within this time period are outlined in the advance notice concerning public review procedures published on August 6, 1973 (38 FR 21202).

Dated: February 18, 1975.

RUSSELL E. TRAFFY,
Administrator.

PART 421—NONFERROUS METALS MANUFACTURING POINT SOURCE CATEGORY

1. It is proposed to amend Part 421 by adding the following sections to the table of contents:

- Subpart D—Primary Copper Smelting Subcategory
- Sec.
- 421.44 Pretreatment standards for existing sources.
- 421.45 Standards of performance for new sources.
- 421.46 Pretreatment standards for new sources.
- Subpart E—Primary Copper Refining Subcategory
- 421.54 Pretreatment standards for existing sources.
- 421.55 Standards of performance for new sources.
- 421.56 Pretreatment standards for new sources.
- Subpart F—Secondary Copper Subcategory
- 421.64 Pretreatment standards for existing sources.
- 421.65 Standards of performance for new sources.
- 421.66 Pretreatment standards for new sources.
- Subpart G—Primary Lead Subcategory
- 421.74 Pretreatment standards for existing sources.
- 421.75 Standards of performance for new sources.
- 421.76 Pretreatment standards for new sources.
- Subpart H—Primary Zinc Subcategory
- 421.84 Pretreatment standards for existing sources.
- 421.85 Standards of performance for new sources.
- 421.86 Pretreatment for new sources
- 421.88 Pretreatment standards for new sources.

2. Subpart D is amended by adding §§ 421.44, 421.45 and 421.46 as follows:

§ 421.44 Pretreatment standard for existing sources.

The pretreatment standard under section 307(b) of the Act for a source within the primary copper smelting subcategory which is a user of a publicly owned treatment works and a major contributing in-

dustry as defined in 40 CFR 128 (and which would be an existing point source subject to section 301 of the Act, if it were to discharge pollutants to the navigable waters), shall be the standard set forth in 40 CFR 128, except that, for the purpose of this section, 40 CFR 128.121, 128.122, 128.132 and 128.133 shall not apply. The following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section which may be discharged to a publicly owned treatment works by a point source subject to the provisions of this subpart.

Pollutant or pollutant property:	Pretreatment standard
TSS-----	No limitation.
pH-----	Do.
As-----	10 mg/l.
Cu-----	0.25 mg/l.
Pb-----	0.5 mg/l.
Cd-----	0.5 mg/l.
Se-----	5 mg/l.
Zn-----	5 mg/l.

§ 421.45 Standards of performance for new sources.

The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a new source subject to the provisions of this subpart:

(a) Subject to the provisions of paragraphs (b), (c), and (d) of this section, there shall be no discharge of process waste water pollutants into navigable waters.

(b) A process waste water impoundment which is designed, constructed and operated so as to contain the precipitation from the 25 year, 24 hour rainfall event as established by the National Climatic Center, National Oceanic and Atmospheric Administration, for the area in which such impoundment is located may discharge that volume of process waste water which is equivalent to the volume of precipitation that falls within the impoundment in excess of that attributable to the 25 year, 24 hour rainfall event, when such event occurs.

(c) During any calendar month there may be discharged from a process waste water impoundment either a volume of process waste water equal to the difference between the precipitation for that month that falls within the impoundment and either the evaporation from the pond water surface area for that month, or a volume of process waste water equal to the difference between the mean precipitation for that month that falls within the impoundment and the mean evaporation from the pond water surface area as established by the National Climatic Center, National Oceanic and Atmospheric Administration, for the area in which such impoundment is located (or as otherwise determined if no monthly data have been established by the National Climatic Center), whichever is greater.

(d) Any process waste water discharged pursuant to paragraph (c) of this section shall comply with each of the following requirements:

PROPOSED RULES

Effluent characteristic	Effluent limitations	
	Maximum for any one day	Average of daily values for thirty consecutive days shall not exceed
Metric units (mg/l)		
TSS	50	25
As	20	10
Cu	0.5	0.25
Pb	1.0	0.5
Cd	1.0	0.5
Se	10	5
Zn	10	5
pH	Within the range 6.0 to 9.0	
English units (ppm)		
TSS	50	25
As	20	10
Cu	0.5	0.25
Pb	1.0	0.5
Cd	1.0	0.5
Se	10	5
Zn	10	5
pH	Within the range 6.0 to 9.0	

§ 421.46 Pretreatment standard for new sources.

The pretreatment standard under section 307(c) of the Act for a new source within the primary copper smelting subcategory which is a user of a publicly owned treatment works and a major contributing industry as defined in 40 CFR 128 (and which would be a new source subject to section 306 of the Act, if it were to discharge pollutants to the navigable waters), shall be the same standard as set forth in 40 CFR 128, for existing sources, except that, for the purpose of this section, 40 CFR 128.121, 128.122, 128.132 and 128.133 shall not apply. The following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section which may be discharged to a publicly owned treatment works by a new source subject to the provisions of this subpart:

Pollutant or pollutant property:	Pretreatment standard
TSS	No limitation.
pH	Do.
As	10 mg/l.
Cu	0.25 mg/l.
Pb	0.5 mg/l.
Cd	0.5 mg/l.
Se	5 mg/l.
Zn	5 mg/l.

3. Subpart E is amended by adding §§ 421.54, 421.55 and 421.56 as follows:

§ 421.54 Pretreatment standard for existing sources.

The pretreatment standard under section 307(b) of the Act for a source within the primary copper refining subcategory which is a user of a publicly owned treatment works and a major contributing industry as defined in 40 CFR 128 (and which would be an existing point source subject to section 301 of the Act, if it were to discharge pollutants to the navigable waters), shall be the standard set forth in 40 CFR 128, except that, for the purpose of this section, 40 CFR 128.121, 128.122, 128.132 and 128.133

shall not apply. The following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section which may be discharged to a publicly owned treatment works by a point source subject to the provisions of this subpart.

Pollutant or pollutant property	Pretreatment standards	
	Maximum for any one day	Average of daily values for thirty consecutive days shall not exceed
(Metric units) kg/kg of product		
Oil and grease	0.04	0.02
As	0.04	0.02
Zn	0.02	0.01
Se	0.02	0.01
Cu	0.001	0.0005
TSS	No limitation	No limitation
pH	No limitation	No limitation
BOD ₅	No limitation	No limitation
(English units) lb/1000 lb of product		
Oil and grease	0.04	0.02
As	0.04	0.02
Zn	0.02	0.01
Se	0.02	0.01
Cu	0.001	0.0005
TSS	No limitation	No limitation
pH	No limitation	No limitation
BOD ₅	No limitation	No limitation

§ 421.55 Standards of performance for new sources.

The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a new source which is geographically located in an historical area of net evaporation, subject to the provisions of this subpart:

(a) Subject to the provisions of paragraphs (b), (c), and (d) of this section, there shall be no discharge of process waste water pollutants into navigable waters.

(b) A process waste water impoundment which is designed, constructed and operated so as to contain the precipitation from the 25 year, 24 hour rainfall event as established by the National Climatic Center, National Oceanic and Atmospheric Administration, for the area in which such impoundment is located may discharge that volume of process waste water which is equivalent to the volume of precipitation that falls within the impoundment in excess of that attributable to the 25 year, 24 hour rainfall event, when such event occurs.

(c) During any calendar month there may be discharged from a process waste water impoundment either a volume of process waste water equal to the difference between the precipitation for that month that falls within the impoundment and either the evaporation from the pond water surface area for that month, or a volume of process waste water equal to the difference between the mean precipitation for that month that falls within the impoundment and the mean evaporation from the pond water surface area as established by the National Climatic Center, National Oceanic and Atmospheric Administration, for the area in which such im-

poundment is located (or as otherwise determined if no monthly data have been established by the National Climatic Center), whichever is greater.

(d) Any process waste water discharged pursuant to paragraph (c) of this section shall comply with each of the following requirements:

Effluent characteristic	Effluent limitations	
	Maximum for any one day	Average of daily values for thirty consecutive days shall not exceed
Metric units (mg/l)		
TSS	50	25
As	20	10
Cu	0.5	0.25
Se	10	5
Zn	10	5
Oil and grease	20	10
pH	Within the range 6.0 to 9.0	
English units (ppm)		
TSS	50	25
As	20	10
Cu	0.5	0.25
Se	10	5
Zn	10	5
Oil and grease	20	10
pH	Within the range 6.0 to 9.0	

The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a new source, which is geographically located in an historical area of net precipitation, subject to the provisions of this subpart:

Effluent characteristic	Effluent limitations	
	Maximum for any one day	Average of daily values for thirty consecutive days shall not exceed
Metric units (kg/kg of product)		
TSS	0.01	0.005
As	0.004	0.002
Zn	0.002	0.001
Se	0.002	0.001
Cu	0.0001	0.00005
Oil and grease	0.004	0.002
pH	Within the range 6.0 to 9.0	
English units (lb/1000 lb of product)		
TSS	0.01	0.005
As	0.004	0.002
Zn	0.002	0.001
Se	0.002	0.001
Cu	0.0001	0.00005
Oil and grease	0.004	0.002
pH	Within the range 6.0 to 9.0	

§ 421.56 Pretreatment standards for new sources.

The pretreatment standard under section 307(c) of the Act for a new source within the primary copper refining subcategory which is a user of a publicly owned treatment works and a major contributing industry as defined in 40 CFR 128 (and which would be a new source subject to section 306 of the Act, if it were to discharge pollutants to the

navigable waters), shall be the same standard as set forth in 40 CFR 128, for existing sources, except that, for the purpose of this section, 40 CFR 128.121, 128.122, 128.132 and 128.133 shall not apply. The following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section which may be discharged to a publicly owned treatment works by a new source subject to the provisions of this subpart:

Pollutant or pollutant property	Pretreatment standards	
	Maximum for any one day	Average of daily values for thirty consecutive days shall not exceed—
(Metric units) kg/kg of product		
Oil and Grease	0.04	0.02
As	0.04	0.02
Zn	0.02	0.01
Se	0.02	0.01
Cu	0.001	0.0005
TSS	No limitation	No limitation
pH	No limitation	No limitation
BOD5	No limitation	No limitation
(English units) lb/1000 lb of product		
Oil and Grease	0.04	0.02
As	0.04	0.02
Zn	0.02	0.01
Se	0.02	0.01
Cu	0.001	0.0005
TSS	No limitation	No limitation
pH	No limitation	No limitation
BOD5	No limitation	No limitation

4. Subpart F is amended by adding §§ 421.64, 521.65 and 421.66 as follows:
 § 421.64 Pretreatment standard for existing sources.

The pretreatment standard under section 307(b) of the Act for a source within the secondary copper subcategory which is a user of a publicly owned treatment works and a major contributing industry as defined in 40 CFR 128 (and which would be an existing point source subject to section 301 of the Act, if it were to discharge pollutants to the navigable waters), shall be the standard set forth in 40 CFR 128, except that, for the purpose of this section, 40 CFR 128.121, 128.122, 128.132 and 128.133 shall not apply. The following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section which may be discharged to a publicly owned treatment works by a point source subject to the provisions of this subpart.

Pollutant or pollutant property:	Pretreatment standard
TSS	No limitation.
pH	Do.
BOD5	Do.
Oil and grease	100mg/l.
Cu	0.25 mg/l.
Zn	5 mg/l.

§ 421.65 Standards of performance for new sources.

The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a new source subject to the provisions of this subpart:

(a) Subject to the provisions of paragraphs (b), (c), and (d) of this section, there shall be no discharge of process waste water pollutants into navigable waters.

(b) A process waste water impoundment which is designed, constructed and operated so as to contain the precipitation from the 25 year, 24 hour rainfall event as established by the National Climatic Center, National Oceanic and Atmospheric Administration, for the area in which such impoundment is located may discharge that volume of process waste water which is equivalent to the volume of precipitation that falls within the impoundment in excess of that attributable to the 25 year, 24 hour rainfall event, when such event occurs.

(c) During any calendar month there may be discharged from a process waste water impoundment either a volume of process waste water equal to the difference between the precipitation for that month that falls within the impoundment and either the evaporation from the pond water surface area for that month, or a volume of process waste water equal to the difference between the mean precipitation for that month that falls within the impoundment and the mean evaporation from the pond water surface area as established by the National Climatic Center, National Oceanic and Atmospheric Administration, for the area in which such impoundment is located (or as otherwise determined if no monthly data have been established by the National Climatic Center), whichever is greater.

(d) Any process waste water discharged pursuant to paragraph (c) of this section shall comply with each of the following requirements:

Effluent characteristic	Effluent limitations	
	Maximum for any one day	Average of daily values for thirty consecutive days shall not exceed—
Metric units (mg/l)		
TSS	50	25
Cu	0.5	0.25
Zn	10	5
Oil and grease	20	10
pH	Within the range 6.0 to 9.0.	
English units (ppm)		
TSS	50	25
Cu	0.5	0.25
Zn	10	5
Oil and grease	20	10
pH	Within the range 6.0 to 9.0.	

§ 421.66 Pretreatment standards for new sources.

The pretreatment standard under section 307(c) of the Act for a new source within the secondary copper subcategory which is a user of a publicly owned treatment works and a major contributing industry as defined in 40 CFR 128 (and which would be a new source subject to section 306 of the Act, if it were to dis-

charge pollutants to the navigable waters), shall be the same standard as set forth in 40 CFR 128, for existing sources, except that, for the purpose of this section, 40 CFR 128.121, 128.122, 128.132 and 128.133 shall not apply. The following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section which may be discharged to a publicly owned treatment works by a new source subject to the provisions of this subpart:

Pollutant or pollutant property:	Pretreatment standard
TSS	No limitation.
pH	Do.
BOD5	Do.
Oil and grease	100 mg/l.
Cu	0.25 mg/l.
Zn	5 mg/l.

5. Subpart G is amended by adding §§ 421.74, 421.75 and 421.76 as follows:
 § 421.74 Pretreatment standard for existing sources.

The pretreatment standard under section 307(b) of the Act for a source within the primary lead subcategory which is a user of a publicly owned treatment works and a major contributing industry as defined in 40 CFR 128 (and which would be an existing point source subject to section 301 of the Act, if it were to discharge pollutants to the navigable waters), shall be the standard set forth in 40 CFR 128, except that, for the purpose of this section, 40 CFR 128.121, 128.122, 128.132 and 128.133 shall not apply. The following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section which may be discharged to a publicly owned treatment works by a point source subject to the provisions of this subpart.

Pollutant or pollutant property	Pretreatment standards	
	Maximum for any one day	Average of daily values for thirty consecutive days shall not exceed—
(Metric units) kg/kg of product		
Cd	0.0008	0.0004
Pb	0.0008	0.0004
Zn	0.008	0.004
TSS	No limitation	No limitation
pH	No limitation	No limitation
(English units) lb/1000 lb of product		
Cd	0.0008	0.0004
Pb	0.0008	0.0004
Zn	0.008	0.004
TSS	No limitation	No limitation
pH	No limitation	No limitation

(English units) lb/1000 lb of product

§ 421.75 Standards of performance for new sources.

The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a new source, which is geographically located in an historical area of net evaporation, subject to the provisions of this subpart:

PROPOSED RULES

(a) Subject to the provisions of paragraphs (b), (c), and (d) of this section, there shall be no discharge of process waste water pollutants into navigable waters.

(b) A process waste water impoundment which is designed, constructed and operated so as to contain the precipitation from the 25 year, 24 hour rainfall event as established by the National Climatic Center, National Oceanic and Atmospheric Administration, for the area in which such impoundment is located may discharge that volume of process waste water which is equivalent to the volume of precipitation that falls within the impoundment in excess of that attributable to the 25 year, 24 hour rainfall event, when such event occurs.

(c) During any calendar month there may be discharged from a process waste water impoundment either a volume of process waste water equal to the difference between the precipitation for that month that falls within the impoundment and either the evaporation from the pond water surface area for that month, or a volume of process waste water equal to the difference between the mean precipitation for that month that falls within the impoundment and the mean evaporation from the pond water surface area as established by the National Climatic Center, National Oceanic and Atmospheric Administration, for the area in which such impoundment is located (or as otherwise determined if no monthly data have been established by the National Climatic Center), whichever is greater.

(d) Any process waste water discharged pursuant to paragraph (c) of this section shall comply with each of the following requirements:

Effluent characteristic	Effluent limitations	
	Maximum for any one day	Average of daily values for thirty consecutive days shall not exceed
Metric units (mg/l)		
TSS	50	25
Cd	1.0	0.5
Pb	1.0	0.5
Zn	10	5
pH	Within the range 6.0 to 9.0.	
English units (ppm)		
TSS	50	25
Cd	1.0	0.5
Pb	1.0	0.5
Zn	10	5
pH	Within the range 6.0 to 9.0.	

The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a new source which is geographically located in an historical area of net precipitation, subject to the provisions of this subpart:

Effluent characteristic	Effluent limitations	
	Maximum for any one day	Average of daily values for thirty consecutive days shall not exceed
Metric units (kg/kg of product)		
TSS	0.042	0.021
Cd	0.0003	0.0004
Pb	0.0003	0.0004
Zn	0.003	0.004
pH	Within the range 6.0 to 9.0.	
English units (lb/1000 lb of product)		
TSS	0.042	0.021
Cd	0.0003	0.0004
Pb	0.0003	0.0004
Zn	0.003	0.004
pH	Within the range 6.0 to 9.0.	

§ 421.76 Pretreatment standards for new sources.

The pretreatment standard under section 307(c) of the Act for a new source within the primary lead subcategory which is a user of a publicly owned treatment works and a major contributing industry as defined in 40 CFR 128 (and which would be a new source subject to section 306 of the Act, if it were to discharge pollutants to the navigable waters), shall be the same standard as set forth in 40 CFR 128, for existing sources, except that, for the purpose of this section, 40 CFR 128.121, 128.122, 128.132 and 128.133 shall not apply. The following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section which may be discharged to a publicly owned treatment works by a new source subject to the provisions of this subpart:

Pollutant or pollutant property	Pretreatment standards	
	Maximum for any one day	Average of daily values for thirty consecutive days shall not exceed
Metric units (kg/kg of product)		
Cd	0.0003	0.0004
Pb	0.0003	0.0004
Zn	0.003	0.004
TSS	No limitation	No limitation
pH	No limitation	
English units (lb/1000 lb of product)		
Cd	0.0003	0.0004
Pb	0.0003	0.0004
Zn	0.003	0.004
TSS	No limitation	No limitation
pH	No limitation	

Pollutant or pollutant property	Pretreatment standards	
	Maximum for any one day	Average of daily values for thirty consecutive days shall not exceed
Metric units (kg/kg of product)		
Cd	0.0003	0.0004
Pb	0.0003	0.0004
Zn	0.003	0.004
TSS	No limitation	No limitation
pH	No limitation	
English units (lb/1,000 lb of product)		
Cd	0.0003	0.0004
Pb	0.0003	0.0004
Zn	0.003	0.004
TSS	No limitation	No limitation
pH	No limitation	

6. Subpart H is amended by adding §§ 421.84, 421.85 and 421.86 as follows:

§ 421.84 Pretreatment standard for existing sources.

The pretreatment standard under section 307(b) of the Act for a source within the primary zinc subcategory which is a user of a publicly owned treatment works and a major contributing industry as defined in 40 CFR 128 (and which would be an existing point source subject to section 301 of the Act, if it were to discharge pollutants to the navigable waters), shall be the standard set forth in 40 CFR 128, except that, for the purpose of this section, 40 CFR 128.121, 128.122, 128.132 and 128.133 shall not apply. The following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section which may be discharged to a publicly owned treatment works by a point source subject to the provisions of this subpart.

Pollutant or pollutant property	Pretreatment standards	
	Maximum for any one day	Average of daily values for thirty consecutive days shall not exceed
Metric units (kg/kg of product)		
As	1.6×10 ⁻³	8.0×10 ⁻⁴
Cd	0.003	0.001
Se	0.03	0.01
Zn	0.03	0.01
TSS	No limitation	No limitation
pH	No limitation	
English units (lb/1000 lb of product)		
As	1.6×10 ⁻³	8.0×10 ⁻⁴
Cd	0.003	0.001
Se	0.03	0.01
Zn	0.03	0.01
TSS	No limitation	No limitation
pH	No limitation	

§ 421.85 Standards of performance for new sources.

The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a new source subject to the provisions of this subpart:

Effluent characteristic	Effluent limitations	
	Maximum for any one day	Average of daily values for thirty consecutive days shall not exceed
Metric units (kg/kg of product)		
TSS	0.23	0.14
As	1.1×10 ⁻³	5.4×10 ⁻⁴
Cd	5.4×10 ⁻³	2.7×10 ⁻³
Se	0.034	0.027
Zn	0.034	0.027
pH	Within the range 6.0 to 9.0.	
English units (lb/1,000 lb of product)		
TSS	0.23	0.14
As	1.1×10 ⁻³	5.4×10 ⁻⁴
Cd	5.4×10 ⁻³	2.7×10 ⁻³
Se	0.034	0.027
Zn	0.034	0.027
pH	Within the range 6.0 to 9.0.	

§ 421.86 Pretreatment standards for new sources.

The pretreatment standard under section 307(c) of the Act for a new source within the primary zinc subcategory which is a user of a publicly owned treatment works and a major contributing industry as defined in 40 CFR 128 (and which would be a new source subject to section 306 of the Act, if it were to discharge pollutants to the navigable waters), shall be the same standard as set forth in 40 CFR 128, for existing sources, except that, for the purpose of this section, 40 CFR 128.121, 128.122, 128.132 and 128.133 shall not apply. The following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section which may be discharged to a publicly owned treatment works by a new source subject to the provisions of this subpart:

Pollutant or pollutant property	Pretreatment standards	
	Maximum for any one day	Average of daily values for thirty consecutive days shall not exceed
(Metric units) kg/kg of product		
As.....	1.0x10 ⁻³	8.0x10 ⁻⁴
Cd.....	0.003	0.001
Se.....	0.03	0.01
Zn.....	0.06	0.01
TSS.....	No limitation	No limitation
pH.....	No limitation	No limitation
(English units) lb/1000 lb of product		
As.....	1.6x10 ⁻³	8.0x10 ⁻⁴
Cd.....	0.003	0.001
Se.....	0.03	0.01
Zn.....	0.06	0.01
TSS.....	No limitation	No limitation
pH.....	No limitation	No limitation

[FR Doc.75-5285 Filed 2-26-75;8:45 am]