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1

DEPARTMENT OF NATURAL RESOURCES

NR 254.001

Chapter NR 254

IRON AND STEEL MANUFACTURING

NR 254.06

NR 254.062

Subchapter VI - Continuous Casting Subcategory

ogy currently available.

Applicability; description of the continuous casting subcategory. Effluent limitations representing the degree of effluent reduction at-tainable by the application of the best practicable control technol-

NR 254.001	Purpose.
NR 254.0015	Applicability.
NR 254.002	General definitions.
NR 254.003	Alternative effluent limitations.
NR 254.004	Calculation of pretreatment standards.
NR 254.005	Compliance dates.
NR 254.005	Removal credits for phenols (4AAP).
	-
Subchapter I	— Cokemaking Subcategory
NR 254.01	Applicability; description of the cokemaking subcategory.
NR 254.011	Specialized definitions.
NR 254.012	Effluent limitations representing the degree of effluent reduction at-
	tainable by the application of the best practicable control technol-
	ogy currently available.
NR 254.013	Effluent limitations representing the degree of effluent reduction at-
1010 20 1.010	tainable by the application of the best available technology eco-
	nomically achievable.
ND 254 014	
NR 254.014	New source performance standards.
NR 254.015	Pretreatment standards for existing sources.
NR 254.016	Pretreatment standards for new sources.
NR 254.017	Effluent limitations representing the degree of effluent reduction at-
	tainable by the application of the best conventional pollutant con-
	trol technology.
Subchanter T	I — Sintering Subcategory
NR 254.02	Applicability; description of the sintering subcategory.
NR 254.022	Effluent limitations representing the degree of effluent reduction at-
INK 254.022	
	tainable by the application of the best practicable control technol-
ND 254 022	ogy currently available.
NR 254.023	Effluent limitations representing the degree of effluent reduction at-
	tainable by the application of the best available technology eco-
	nomically achievable.
NR 254.024	New source performance standards.
NR 254.025	Pretreatment standards for existing sources.
NR 254.026	Pretreatment standards for new sources.
Subshanton T	II Inonmolving Sychootogowy
-	II — Ironmaking Subcategory
NR 254.03	Applicability; description of the ironmaking subcategory.
NR 254.031	Specialized definitions.
NR 254.032	Effluent limitations representing the degree of effluent reduction at-
	tainable by the application of the best practicable control technol-
	ogy currently available.
NR 254.033	ogy currently available. Effluent limitations representing the degree of effluent reduction at-
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NR 254.034 NR 254.035	ogy currently available. Effluent limitations representing the degree of effluent reduction at- tainable by the application of the best available technology eco- nomically achievable. New source performance standards. Pretreatment standards for existing sources.
NR 254.034 NR 254.035 NR 254.036	ogy currently available. Effluent limitations representing the degree of effluent reduction at- tainable by the application of the best available technology eco- nomically achievable. New source performance standards. Pretreatment standards for existing sources. Pretreatment standards for new sources.
NR 254.034 NR 254.035 NR 254.036 Subchapter I	ogy currently available. Effluent limitations representing the degree of effluent reduction at- tainable by the application of the best available technology eco- nomically achievable. New source performance standards. Pretreatment standards for existing sources. Pretreatment standards for new sources. V — Steelmaking Subcategory
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NR 254.034 NR 254.035 NR 254.036 Subchapter I NR 254.04 NR 254.041	ogy currently available. Effluent limitations representing the degree of effluent reduction at- tainable by the application of the best available technology eco- nomically achievable. New source performance standards. Pretreatment standards for existing sources. Pretreatment standards for new sources. V — Steelmaking Subcategory Applicability; description of the steelmaking subcategory. Specialized definitions.
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NR 254.034 NR 254.035 NR 254.035 Subchapter I NR 254.04 NR 254.041 NR 254.042 NR 254.043 NR 254.043 NR 254.044 NR 254.044 NR 254.047 Subchapter V NR 254.05 NR 254.052	ogy currently available. Effluent limitations representing the degree of effluent reduction at- tainable by the application of the best available technology eco- nomically achievable. New source performance standards. Pretreatment standards for existing sources. Pretreatment standards for new sources. V — Steelmaking Subcategory Applicability; description of the steelmaking subcategory. Specialized definitions. Effluent limitations representing the degree of effluent reduction at- tainable by the application of the best practicable control technol- ogy currently available. Effluent limitations representing the degree of effluent reduction at- tainable by the application of the best available technology eco- nomically achievable. New source performance standards. Pretreatment standards for new sources. Effluent limitations representing the degree of effluent reduction at- tainable by the application of the best conventional pollutant con- trol technology. V — Vacuum Degassing Subcategory Applicability; description of the vacuum degassing subcategory. Effluent limitations representing the degree of effluent reduction at- tainable by the application of the best conventional pollutant con- trol technology. V — Vacuum Degassing Subcategory Applicability; description of the vacuum degassing subcategory. Effluent limitations representing the degree of effluent reduction at- tainable by the application of the best practicable control technol- ogy currently available. Effluent limitations representing the degree of effluent reduction at- tainable by the application of the best practicable control technol- ogy currently available. Effluent limitations representing the degree of effluent reduction at- tainable by the application of the best practicable control technol- ogy currently available.
NR 254.034 NR 254.035 NR 254.035 Subchapter I NR 254.04 NR 254.042 NR 254.043 NR 254.043 NR 254.044 NR 254.045 NR 254.047 Subchapter V NR 254.052 NR 254.052 NR 254.053	 ogy currently available. Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable. New source performance standards. Pretreatment standards for existing sources. V — Steelmaking Subcategory Applicability: description of the steelmaking subcategory. Specialized definitions. Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology economically achievable. Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable. New source performance standards. Pretreatment standards for new sources. Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable. New source performance standards. Pretreatment standards for new sources. Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology. V — Vacuum Degassing Subcategory Applicability: description of the vacuum degassing subcategory. Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology. V — Vacuum Degasing Subcategory Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology. Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available. Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control t
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NR 254.063	Effluent limitations representing the degree of effluent reduction at- tainable by the application of the best available technology eco-
	nomically achievable.
NR 254.064	New source performance standards.
NR 254.065	Pretreatment standards for existing sources.
NR 254.066	Pretreatment standards for new sources.
Subchapter V	VII — Hot Forming Subcategory
NR 254.07	Applicability; description of hot forming subcategory.
NR 254.071	Specialized definitions.
NR 254.072	Effluent limitations representing the degree of effluent reduction at-
	tainable by the application of the best practicable control technol- ogy currently available.
NR 254.073	Effluent limitations representing the degree of effluent reduction at- tainable by the application of the best available technology eco- nomically achievable.
NR 254.074	New source performance standards.
NR 254.075	Pretreatment standards for existing sources.
NR 254.076	Pretreatment standards for new sources.
NR 254.077	Effluent limitations representing the degree of effluent reduction at-
	tainable by the application of the best conventional pollutant con- trol technology.
Subchapter V	VIII — Salt Bath Descaling Subcategory
NR 254.08	Applicability; description of the salt bath descaling subcategory.
NR 254.081	Specialized definitions.
NR 254.082	Effluent limitations representing the degree of effluent reduction at-
	tainable by the application of the best practicable control technol- ogy currently available.
NR 254.083	Effluent limitations representing the degree of effluent reduction at- tainable by the application of the best available technology eco- nomically achievable.
NR 254.084	New source performance standards.
NR 254.085	Pretreatment standards for existing sources.
NR 254.086	Pretreatment standards for new sources.
NR 254.087	Effluent limitations representing the degree of effluent reduction at-
	tainable by the application of the best conventional pollutant con- trol technology.
Subchapter l	IX — Acid Pickling Subcategory
NR 254.09	Applicability; description of the acid pickling subcategory.
NR 254.091	Specialized definitions.
NR 254.092	Effluent limitations representing the degree of effluent reduction at- tainable by the application of the best practicable control technol- ogy currently available.
NR 254.093	Effluent limitations representing the degree of effluent reduction at-
	tainable by the application of the best available technology eco- nomically achievable.
NR 254.094	New source performance standards.
NR 254.095	Pretreatment standards for existing sources.
NR 254.096	Pretreatment standards for new sources.
NR 254.097	Effluent limitations representing the degree of effluent reduction at- tainable by the application of the best conventional pollutant con- trol technology.
Subchapter 2	X — Cold Forming Subcategory
NR 254.10	Applicability; description of the cold forming subcategory.
NR 254.101	Specialized definitions.
NR 254.102	Effluent limitations representing the degree of effluent reduction at-
	tainable by the application of the best practicable control technol-
	ogy currently available.

- NR 254.103 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.
- NR 254.104 New source performance standards.
- NR 254.105 Pretreatment standards for existing sources.
- NR 254.106 Pretreatment standards for new sources.
- NR 254.107
- Effluent limitations representing the degree of effluent reduction at-tainable by the application of the best conventional pollutant control technology.

WISCONSIN ADMINISTRATIVE CODE

NR 254.11	Applicability; description of the alkaline cleaning subcategory.
NR 254.111	Specialized definitions.
NR 254.112	Effluent limitations representing the degree of effluent reduction at- tainable by the application of the best practicable control technol-
	ogy currently available.
NR 254.113	Effluent limitations representing the degree of effluent reduction at- tainable by the application of the best available technology eco- nomically achievable.
NR 254.114	New source performance standards.
NR 254.115	Pretreatment standards for existing sources.
NR 254.116	Pretreatment standards for new sources.

Subchapter XI — Alkaline Cleaning Subcategory

NR 254.117 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology.

NR 254.001 Purpose. The purpose of this chapter is to establish effluent limitations, performance standards, and pretreatment standards for discharges of process wastes from the iron and steel making point source category and its subcategories.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.0015 Applicability. This chapter applies to any iron and steel making facility that discharges or may discharge pollutants to waters of the state or into a publicly owned treatment works.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.002 General definitions. The following definitions are applicable to the terms used in this chapter. Definitions of other terms and abbreviations are set forth in ss. NR 205.03, 205.04, and 211.03.

(1) "Ammonia-N" means the value obtained by manual distillation at pH 9.5 followed by the Nesslerization method set forth in ch. NR 219, table B, for parameter 4.

(2) "Benzene" means the value obtained by the standard method 602 as set forth in 44 FR 69464 to 69570 (December 3, 1979).

(3) "Benzo(a)pyrene" means the value obtained by the standard method 610 as set forth in 44 FR 69464 to 69570 (December 3, 1979).

(4) "Chromium" means total chromium as determined by the method set forth in ch. NR 219, table B, for parameter 19.

(5) "Copper" means total copper as determined by the method set forth in ch. NR 219, table B, for parameter 22.

(6) "Cyanide" means total cyanide as determined by the method set forth in ch. NR 219, table B, for parameter 23.

(7) "Existing source" means any point source, except a new source as defined in sub. (11), from which pollutants may be discharged either into the waters of the state or into a publicly owned treatment works.

(8) "Hexavalent chromium" means the value obtained by the method set forth in ch. NR 219, table B, for parameter 18.

(9) "Lead" means total lead as determined by the method set forth in ch. NR 219, table B, for parameter 32.

(10) "Naphthalene" means the value obtained by standard method 610 as set forth in 44 FR 69464 to 69571 (December 3, 1979).

(11) "New source", as defined for new source performance standards and pretreatment standards for new sources, means any point source for which construction commenced after January 7, 1981 and from which pollutants are or may be discharged directly to the waters of the state or to a publicly owned treatment works.

(12) "Nickel" means total nickel as determined by the method set forth in ch. NR 219, table B, for parameter 37.

(13) "O&G" means the value for oil and grease obtained by the method set forth in ch. NR 219, table B, for parameter 41.

(14) "pH" means the value obtained by the method set forth in ch. NR 219, table B, for parameter 28.

Subchapter 2	XII — Hot	Coating	Subcategory
Subchapter .	$\Delta \Pi = \Pi 0 \iota$	Coaung	Subcategory

- NR 254.12 Applicability; description of the hot coating subcategory.
- NR 254.121 Specialized definitions.
- NR 254.122 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.
- NR 254.123 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.
- NR 254.124 New source performance standards.
- NR 254.125 Pretreatment standards for existing sources.
- NR 254.126 Pretreatment standards for new sources.
- NR 254.127 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology.

(15) "Phenols (4AAP)" means the value obtained by the method set forth in ch. NR 219, table B, for parameter 48.

(16) "Tetrachloroethylene" means the value obtained by standard method 610 as set forth in 44 FR 69464 to 69571 (December 3, 1979).

(17) "TRC" means total residual chlorine, which is the value obtained by iodometric titration using an amperometric endpoint method, as set forth in ch. NR 219, table B, for parameter 17.

(18) "TSS" means the value obtained for total suspended solids by the method set forth in ch. NR 219, table B, for parameter 55.

(19) "Zinc" means total zinc as determined by the method set forth in ch. NR 219, table B, for parameter 75.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.003 Alternative effluent limitations. (1) Except as provided in subs. (4) and (5), any existing point source subject to this chapter may qualify for alternative effluent limitations for BPT, BAT, and BCT. The alternative effluent limitations for each pollutant are determined for a combination of outfalls by totaling the mass limitations of each pollutant allowed under this chapter and subtracting from each total an appropriate net reduction amount. The permit authority shall determine an appropriate net reduction amount for each pollutant traded based upon consideration of additional available control measures which would result in substantial effluent reductions and which can be achieved without requiring significant additional expenditures at any outfall in the combination for which the discharge is projected to be better than required by this chapter.

(2) For total suspended solids and oil and grease, the minimum net reduction amount shall be approximately 15% of the amount by which any waste stream in the combination will exceed otherwise allowable effluent limitations. For all other pollutants, the minimum net reduction amount shall be approximately 10% of the amount by which the discharges from any waste stream in the combination will exceed otherwise allowable effluent limitations for each pollutant under this chapter.

(3) Each outfall from which process wastewaters are discharged shall have specific fixed effluent limitations for each pollutant limited by the applicable sections of this chapter.

(4) If the application of alternative effluent limitations results in a violation of any applicable water quality standard, alternative effluent limitations are not permitted.

(5) Alternative effluent limitations are not permitted for cokemaking and cold forming process wastewaters.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.004 Calculation of pretreatment standards. (1) Pretreatment standards shall be calculated for each operation using the applicable average rate of production reported by the owner or operator of the facility to the control authority in accordance with s. NR 211.15.

(2) The average rate of production reported by the owner or operator in accordance with s. NR 211.15 may not be based upon 3

DEPARTMENT OF NATURAL RESOURCES

NR 254.013

the design production capacity, but rather upon a reasonable measure of actual production of the facility, such as the production during the high month of the previous year or the monthly average for the highest month of the previous 5 years. For new sources or new dischargers, actual production shall be estimated using projected production.

(3) If the average rate of production for an operation reported in accordance with s. NR 211.15 does not represent a reasonable measure of actual production due to a change of circumstances, the owner or operator shall submit a modified average rate of production to the control authority.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.005 Compliance dates. (1) Any existing source subject to this chapter which discharges to waters of the state shall achieve:

(a) the effluent limitations representing BPT by July 1, 1977; and

(b) the effluent limitations representing BAT by July 1, 1984.

(2) Any new source subject to this chapter which discharges to waters of the state shall achieve NSPS at the commencement of discharge.

(3) Any existing source subject to this chapter which introduces process wastewater pollutants into a POTW shall achieve PSES by July 10, 1985.

(4) Any new source subject to this chapter which introduces process wastewater pollutants into a POTW shall achieve PSNS at the commencement of discharge.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.006 Removal credits for phenols (4AAP). Removal allowances pursuant to s. NR 211.13 may be granted for phenols (4AAP) limited by this chapter when phenols (4AAP) are used as an indicator or surrogate pollutant.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

Subchapter I — Cokemaking Subcategory

NR 254.01 Applicability; description of the cokemaking subcategory. This subcategory applies to the discharge of pollutants to waters of the state and the introduction of pollutants into POTWs from byproduct and beehive cokemaking operations.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.011 Specialized definitions. The following definitions are applicable to the terms used in cokemaking subcategory:

(1) "Beehive cokemaking" means operations in which coal is heated with the admission of air in controlled amounts for the purpose of producing coke and which do not recover byproducts.

(2) "Byproduct cokemaking" means operations in which coal is heated in the absence of air to produce coke. Byproducts may be recovered from the gases and liquids driven from the coal.

(3) "Merchant byproduct cokemaking" means byproduct cokemaking operations which provide more than 50% of the produced coke to operations, industries, or processes other than iron making blast furnaces associated with steel production.

(4) "Iron and steel byproduct cokemaking" means byproduct cokemaking operations other than merchant cokemaking operations.

(5) "Wet desulfurization system" means systems which remove sulfur compounds from coke oven gases and produce contaminated process wastewater.

(6) "Indirect ammonia recovery system" means systems which recover ammonium hydroxide as a byproduct from coke oven gases and waste ammonia liquors.

(7) "Physical chemical treatment system" means full scale coke plant wastewater treatment systems incorporating full scale

granular activated carbon adsorption units which were in operation prior to January 7, 1981.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.012 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available. (1) Except as provided in 40 CFR 125.30 to 125.32, any existing source subject to this subchapter shall achieve the effluent limitations set forth in sub. (2), (3), or (4) representing the degree of effluent reduction attainable by the application of BPT.

(2) IRON AND STEEL BYPRODUCT COKEMAKING. (a) The following BPT effluent limitations apply:

Table 1
Iron and Steel Byproduct Cokemaking
BPT Effluent Limitations

DI I Efficient Efficients		
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.253	0.131
O&G	0.0327	0.0109
Ammonia-N	0.274	0.0912
Cyanide	0.0657	0.0219
Phenols (4AAP)	0.00451	0.00150
pH	(1)	(1)

(1) Within the range of 6.0 to 9.0

(b) Increased loadings, not to exceed 11% above the limitations in par. (a), are allowed for plants which have wet desulfurization systems but only to the extent that such systems generate an increased effluent volume.

(c) Increased loadings, not to exceed 27% above the limitations in par. (a), are allowed for plants which include indirect ammonia recovery systems but only to the extent that such systems generate an increased effluent volume.

(3) MERCHANT BYPRODUCT COKEMAKING. (a) The following BPT effluent limitations apply:

 Table 2

 Merchant Byproduct Cokemaking

BP1 Effluent Limitations		
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.270	0.140
O&G	0.0349	0.0116
Ammonia-N	0.292	0.0973
Cyanide	0.0701	0.0234
Phenols (4AAP)	0.00481	0.00160
pH	(1)	(1)

(1) Within the range of 6.0 to 9.0

(b) Increased loadings, not to exceed 10% above the limitations in par. (a), are allowed for plants which have wet desulfurization systems but only to the extent that such systems generate an increased effluent volume.

(c) Increased loadings, not to exceed 25% above the limitations in par. (a), are allowed for plants which include indirect ammonia recovery systems but only to the extent that such systems generate an increased effluent volume.

(4) BEEHIVE COKEMAKING. Beehive cokemaking operations may not discharge process wastewaters to waters of the state. History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.013 Effluent limitations representing the

degree of effluent reduction attainable by the application of the best available technology economically achievable. (1) Except as provided in 40 CFR 125.30 to 125.32, any existing source subject to this subchapter shall achieve the effluent limitations in sub. (2), (3), or (4) representing the degree of effluent reduction attainable by the application of BAT.

(2) IRON AND STEEL BYPRODUCT COKEMAKING. (a) The following BAT effluent limitations apply:

Table 3			
Iron and Steel Byproduct Cokemaking			
BAT Effluent Limitations			
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or pollutant	ant or pollutant kg/kkg (pounds per 1,000 pounds) of		
property	pro	oduct	
Ammonia-N	0.0543	0.0160	
Cyanide	0.00638	0.00351	
Phenols (4AAP)	0.0000638	0.0000319	
Benzene	0.0000319		
Naphthalene	0.0000319		
Benzo(a)pyrene	0.0000319		

(b) Increased loadings, not to exceed 16% above the limitations in par. (a), are allowed for plants which have wet desulfurization systems but only to the extent that such systems generate an increased effluent volume.

(c) Increased loadings, not to exceed 39% above the limitations in par. (a), are allowed for plants which include indirect ammonia recovery systems but only to the extent that such systems generate an increased effluent volume.

(d) The following BAT effluent limitations shall be applicable to plants with physical chemical treatment systems:

Table 4 Iron and Steel Byproduct Cokemaking			
BAT Effluent Limitations			
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of	
property	product		
Ammonia-N	0.0645	0.0322	
Phenols (4AAP)	0.0000859	0.0000430	
Benzene	0.0000215		
Naphthalene	0.0000215		
Benzo(a)pyrene	0.0000215		

(e) Increased loadings, not to exceed 24% above the limitations in par. (d), are allowed for plants with physical chemical pretreatment systems which have wet desulfurization systems but only to the extent that such systems generate an increased effluent volume.

(3) MERCHANT BYPRODUCT COKEMAKING. (a) The following BAT effluent limitations apply:

Table 5
Merchant Byproduct Cokemaking
BAT Effluent Limitations
Average

		Average of daily
	Maximum for	values for 30
	any 1 day	consecutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
Ammonia-N	0.0603	0.0177
Cyanide	0.00709	0.00390
Phenols (4AAP)	0.0000709	0.0000355
Benzene	0.0000355	
Naphthalene	0.0000355	
Benzo(a)pyrene	0.0000355	

(b) Increased loadings, not to exceed 15% above the limitations in par. (a), are allowed for plants which have wet desulfurization systems but only to the extent that such systems generate an increased effluent volume.

(c) Increased loadings, not to exceed 35% of the limitations in par. (a), are allowed for plants which include indirect ammonia recovery systems but only to the extent that such systems generate an increased effluent volume.

(d) The following BAT effluent limitations shall be applicable to plants with physical chemical treatment systems:

Table 6					
Iron and Steel Byproduct Cokemaking					
BAT Effluent Limitations					
		Average of daily			
	Maximum for	values for 30 con-			
	any 1 day secutive days				
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of			
property	property product				
Ammonia-N	0.0751	0.0375			
Phenols (4AAP)	0.000100	0.0000501			
Benzene	0.0000250				
Naphthalene	0.0000250				
Benzo(a)pyrene	0.0000250				

(e) Increased loadings, not to exceed 21% above the limitations in par. (d), are allowed for plants with physical chemical pretreatment systems which have wet desulfurization systems but only to the extent that such systems generate an increased effluent volume.

(4) BEEHIVE COKEMAKING. Beehive cokemaking operations may not discharge process wastewaters to waters of the state.

NR 254.014 New source performance standards. (1) The discharge of wastewater pollutants from any new source subject to this subchapter may not exceed the NSPS in sub. (2), (3), or (4).

(2) IRON AND STEEL BYPRODUCT COKEMAKING. (a) The following NSPS apply:

Table 7		
Iron and Steel Byproduct Cokemaking		
NSPS		
		Average of
		daily values for
	Maximum for	30 consecutive
	any 1 day	days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	duct
TSS	0.172	0.0894
O&G	0.00638	
Ammonia-N	0.0543	0.0160
Cyanide	0.00638	0.00351
Phenols (4AAP)	0.0000638	0.0000319
Benzene	0.0000319	
Naphthalene	0.0000319	
	0.0000319	
pH	(1)	(1)
Cyanide Phenols (4AAP) Benzene Naphthalene Benzo(a)pyrene	0.00638 0.0000638 0.0000319 0.0000319 0.0000319 (1)	0.00351 0.0000319

(1) Within the range of 6.0 to 9.0

(b) Increased loadings, not to exceed 16% above the limitations in par. (a), are allowed for plants which have wet desulfurization systems but only to the extent that such systems generate an increased effluent volume.

(c) Increased loadings, not to exceed 39% above the limitations in par. (a), are allowed for plants which include indirect ammonia recovery systems but only to the extent that such systems generate an increased effluent volume.

(3) MERCHANT BYPRODUCT COKEMAKING. (a) The following NSPS apply:

Merchant By	product Cokemal	king
	NSPS	
NSPS		
		Average of
		daily values for
	Maximum for	30 consecutive
	any 1 day	days
Pollutant or pollutant kg	g/kkg (pounds pe	r 1,000 pounds) of
property	proc	duct
TSS	0.192	0.0993
O&G	0.00709	
Ammonia-N	0.0603	0.0177
Cyanide	0.00709	0.00390
Phenols (4AAP)	0.0000709	0.0000355
Benzene	0.0000355	
Naphthalene	0.0000355	
Benzo(a)pyrene	0.0000355	
pH (1) Within the range of 6.0 to 9.0	(1)	(1)

(1) Within the range of 6.0 to 9.0

(b) Increased loadings, not to exceed 15% above the limitations in par. (a), are allowed for plants which have wet desulfurization systems but only to the extent that such systems generate an increased effluent volume.

(c) Increased loadings, not to exceed 35% above the limitations in par. (a), are allowed for plants which include indirect ammonia recovery systems but only to the extent that such systems generate an increased effluent volume.

(4) BEEHIVE COKEMAKING. Beehive cokemaking operations may not discharge process wastewaters to waters of the state.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.015 Pretreatment standards for existing sources. (1) Except as provided in ss. NR 211.13 and 211.14, any existing source subject to this subchapter which introduces pollutants into a POTW shall comply with ch. NR 211 and achieve the PSES in sub. (2) or (3).

(2) IRON AND STEEL BYPRODUCT COKEMAKING. (a) The following PSES apply:

Table 9		
Iron and Steel	Byproduct Coken	naking
	PSES	
		Average of daily
	Maximum for	values for 30
	any 1 day	consecutive days
Pollutant or pollutant	kg/kkg (pounds	per 1,000 pounds)
property	of p	roduct
Ammonia-N	0.0645	0.0322
Cyanide	0.0172	0.00859
Phenols (4AAP)	0.0430	0.0215

(b) Increased loadings, not to exceed 24% above the limitations in par. (a), are allowed for plants which have wet desulfurization systems but only to the extent that such systems generate an increased effluent volume.

(c) Increased loadings, not to exceed 58% above the limitations in par. (a), are allowed for plants which include indirect ammonia recovery systems but only to the extent that such systems generate an increased effluent volume.

(3) MERCHANT BYPRODUCT COKEMAKING. (a) The following PSES apply:

Table 10			
Merchant	Merchant Byproduct Cokemaking		
	PSES		
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of	
property	product		
Ammonia-N	0.0751	0.0375	
Cyanide	0.0200	0.0100	
Phenols (4AAP)	0.0501	0.0250	

(b) Increased loadings, not to exceed 21% above the limitations in par. (a), are allowed for plants which have wet desulfurization systems but only to the extent that such systems generate an increased effluent volume.

(c) Increased loadings, not to exceed 50% above the limitations in par. (a), are allowed for plants which include indirect ammonia recovery systems but only to the extent that such systems generate an increased effluent volume.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.016 Pretreatment standards for new sources. (1) Except as provided in s. NR 211.13, any existing [new] source subject to this subchapter which introduces pollutants into a POTW shall comply with ch. NR 211 and achieve the PSNS in sub. (2) or (3).

(2) IRON AND STEEL BYPRODUCT COKEMAKING. (a) The following PSNS apply:

WISCONSIN ADMINISTRATIVE CODE

Table 11		
Iron and Steel Byproduct Cokemaking		
	PSNS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	product	
Ammonia-N	0.0645	0.0322
Cyanide	0.0172	0.00859
Phenols (4AAP)	0.0430	0.0215

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(b) Increased loadings, not to exceed 24% above the limitations in par. (a), are allowed for plants which have wet desulfurization systems but only to the extent that such systems generate an increased effluent volume.

(c) Increased loadings, not to exceed 58% above the limitations in par. (a), are allowed for plants which include indirect ammonia recovery systems but only to the extent that such systems generate an increased effluent volume.

(3) MERCHANT BYPRODUCT COKEMAKING. (a) The following PSNS apply:

Table 12		
Merchant	Byproduct Cokema	aking
	PSNS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
Ammonia-N	0.0751	0.0375
Cyanide	0.0200	0.0100
Phenols (4AAP)	0.0501	0.0250

(b) Increased loadings, not to exceed 21% above the limitations in par. (a), are allowed for plants which have wet desulfurization systems but only to the extent that such systems generate an increased effluent volume.

(c) Increased loadings, not to exceed 50% above the limitations in par. (a), are allowed for plants which include indirect ammonia recovery systems but only to the extent that such systems generate an increased effluent volume.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.017 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology. (1) Except as provided in 40 CFR 125.30 to 125.32, any existing source subject to this subchapter shall achieve the effluent limitations in sub. (2), (3), or (4) representing the degree of effluent reduction attainable by the application of BCT.

(2) IRON AND STEEL BYPRODUCT COKEMAKING. (a) The following BCT effluent limitations apply:

Table 13			
Iron And Sto	Iron And Steel Byproduct Cokemaking		
BCT	Effluent Limitation	S	
		Average of	
		daily values for	
	Maximum for	30 consecutive	
	any 1 day	days	
Pollutant or pollutant	kg/kkg (pounds po	er 1,000 pounds) of	
property	pro	duct	
TSS	0.253	0.131	
O&G	0.0327	0.0109	
pH (1) Within the mass of (0 to	(1)	(1)	

(1) Within the range of 6.0 to 9.0

(b) Increased loadings, not to exceed 11% above the limitations in par. (a), are allowed for plants which have wet desulfurization systems but only to the extent that such systems generate an increased effluent volume.

6

(c) Increased loadings, not to exceed 27% above the limitations in par. (a), are allowed for plants which include indirect ammonia recovery systems but only to the extent that such systems generate an increased effluent volume.

(3) MERCHANT BYPRODUCT COKEMAKING. (a) The following BCT effluent limitations apply:

Table 14		
Merchant Byproduct Cokemaking		
BCT	Effluent Limitation	IS
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	product	
TSS	0.270	0.140
O&G	0.0348	0.0116
pН	(1)	(1)
(1) Within the range of $6.0 \text{ to } 9.0$		

(1) Within the range of 6.0 to 9.0

(b) Increased loadings, not to exceed 10% above the limitations in par. (a), are allowed for plants which have wet desulfurization systems but only to the extent that such systems generate an increased effluent volume.

(c) Increased loadings, not to exceed 25% above the limitations in par. (a), are allowed for plants which include indirect ammonia recovery systems but only to the extent that such systems generate an increased effluent volume.

(4) BEEHIVE COKEMAKING. Beehive cokemaking operations may not discharge process wastewaters to waters of the state. History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

Subchapter II — Sintering Subcategory

NR 254.02 Applicability; description of the sintering subcategory. This subcategory applies to the discharge of pollutants to waters of the state and the introduction of pollutants into POTWs from sintering operations conducted by the heating of iron bearing wastes, such as mill scale and dust from blast furnaces, together with fine iron ore, limestone, and coke fines in an ignition furnace to produce an agglomerate for charging to a blast furnace.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.022 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve the following effluent limitations representing the degree of effluent reduction attainable by application of BPT:

	Table 15	
	Sintering	
BPT	Effluent Limitation	S
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.0751	0.0250
O&G	0.0150	0.00501
pН	(1)	(1)

(1) Within the range of 6.0 to 9.0

7

DEPARTMENT OF NATURAL RESOURCES

NR 254.032

NR 254.023 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve the following effluent limitations representing the degree of effluent reduction attainable by application of BAT:

	Table 16 Sintering	
BAT E	ffluent Limitations	
		Average of
		daily values for
	Maximum for	30 consecutive
	any 1 day	days
Pollutant or pollutant	Pollutant or pollutant kg/kkg (pounds per 1,000 pounds)	
property	of pr	oduct
Ammonia-N(1)	0.0150	0.00501
Cyanide(1)	0.00300	0.00150
Phenols (4AAP)(1)	0.0001000	0.0000501
TRC(1)	0.000250	
Lead	0.000451	0.000150
Zinc	0.000676	0.000225

 The limitations for ammonia-N, cyanide, and phenols (4AAP) shall be applicable only when sintering wastewaters are treated with ironmaking wastewaters.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.024 New source performance standards. The discharge of wastewater pollutants from any new source subject to the sintering subcategory may not exceed the following standards:

	Table 17	
	Sintering	
	NSPS	
		Average of
		daily values for
	Maximum for	30 consecutive
	any 1 day	days
Pollutant or pollutant	kg/kkg (pounds j	per 1,000 pounds)
property	of pr	oduct
TSS	0.0200	0.00751
O&G	0.00501	
Ammonia-N(1)	0.0150	0.00501
Cyanide(1)	0.00100	0.000501
Phenols (4AAP)(1)	0.000100	0.0000501
TRC(1)	0.000250	
Lead	0.000451	0.000150
Zinc	0.000676	0.000225
pH	(2)	(2)

 The limitations for ammonia-N, cyanide, phenols (4AAP), and TRC shall be applicable only when sintering wastewaters are treated with ironmaking wastewaters.

(2) Within the range of 6.0 to 9.0

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.025 Pretreatment standards for existing sources. Except as provided in ss. NR 211.13 and 211.14, any existing source subject to this subchapter which introduces pollutants into a POTW shall comply with ch. NR 211 and achieve the following PSES:

	Table 18 Sintering	
	PSES	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds per 1,000 pounds) of	
property	pro	oduct
Ammonia-N(1)	0.0150	0.00501
Cyanide(1)	0.00300	0.000150
Phenols (4AAP)(1)	0.000100	0.0000501
Lead	0.000451	0.000150
Zinc	0.000676	0.000225

 The limitations for ammonia-N, cyanide and phenols (4AAP) shall be applicable only when sintering wastewaters are treated with ironmaking wastewaters.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.026 Pretreatment standards for new sources. Except as provided in s. NR 211.13, any new source subject to the subchapter which introduces pollutants into a POTW shall comply with ch. NR 211 and achieve the following PSNS:

	Table 19	
	Sintering	
	PSNS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
Ammonia-N(1)	0.0150	0.00501
Cyanide(1)	0.00100	0.000501
Phenols (4AAP)(1)	0.000100	0.0000501
Lead	0.000451	0.000150
Zinc	0.000676	0.000225

 The limitations for ammonia-N, cyanide and phenols (4AAP) shall be applicable only when sintering wastewaters are treated with ironmaking wastewaters.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

Subchapter III — Ironmaking Subcategory

NR 254.03 Applicability; description of the ironmaking subcategory. This subchapter applies to the discharge of pollutants to waters of the state and the introduction of pollutants into POTWs from ironmaking operations in which iron ore is reduced to molten iron in a blast furnace.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.031 Specialized definitions. The following definitions are applicable to the terms used in this subchapter:

(1) "Existing indirect dischargers" means only the 2 iron blast furnace operations with discharges to POTWs prior to May 27, 1982.

(2) "Ferromanganese blast furnace" means those blast furnaces which produce molten iron containing more than 50% manganese.

(3) "Iron blast furnace" means all blast furnaces except ferromanganese blast furnaces.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.032 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve the following effluent limitations representing the degree of effluent reduction attainable by application of BPT:

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Ire	Table 20 on Blast Furnace	
BPT Effluent Limitations		
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.0782	0.0260
Ammonia-N	0.161	0.0537
Cyanide	0.0234	0.00782
Phenols (4AAP)	0.00626	0.00210
pH	(1)	(1)

(1) Within the range of 6.0 to 9.0

Ferroma	Table 21 anganese Blast Furn	ace
BPT Effluent Limitations		
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	product	
TSS	0.313	0.104
Ammonia-N	1.29	0.429
Cyanide	0.469	0.156
Phenols (4AAP)	0.0624	0.0208
pH	(1)	(1)

(1) Within the range of 6.0 to 9.0

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.033 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve the following effluent limitations representing the degree of effluent reduction attainable by application of BAT:

	Table 22	
Ire	on Blast Furnace	
BAT Effluent Limitations		
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
Ammonia-N	0.00876	0.00292
Cyanide	0.00175	0.000876
$DI_{1} = 1 = (4 \land \land D)$		
Phenols (4AAP)	0.0000584	0.0000292
TRC(1)	0.0000584 0.00146	0.0000292
		0.0000292 0.0000876

(1) The limitations for TRC shall be applicable only when iron making wastewater is chlorinated.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.034 New source performance standards. The discharge of process wastewater pollutants from any new source subject to this subchapter may not exceed the following standards:

	Table 23	
Ire	on Blast Furnace	
	NSPS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.0117	0.00438
O&G	0.00292	
Ammonia-N	0.00876	0.00292
Cyanide	0.000584	0.000292
Phenols (4AAP)	0.0000584	0.0000292
TRC(1)	0.000146	
Lead	0.000263	0.0000876
Zinc	0.000394	0.000131
pH	(2)	(2)

(1) The limitations for TRC shall be applicable only when iron making wastewater is chlorinated.

(2) Within the range of 6.0 to 9.0

NR 254.042

NR 254.035 Pretreatment standards for existing sources. Except as provided in ss. NR 211.13 and 211.14, any existing source subject to this subchapter which introduces pollutants into a POTW shall comply with ch. NR 211 and achieve the following PSES:

Irc	Table 24 on Blast Furnace		
	PSES		
	Maximum for	Average of	
	any 1 day	daily values for	
		30 consecutive	
		days	
Pollutant or pollutant		per 1,000 pounds)	
property		roduct	
Ammonia-N	0.00876	0.00292	
Cyanide	0.00175	0.000876	
Phenols (4AAP)	0.0000584	0.0000292	
Lead	0.000263	0.0000876	
Zinc	0.000394	0.000131	
	Table 25		
Existing	g Indirect Discharge	ers	
	PSES		
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or pollutant	kg/kkg (pounds pe	er 1,000 pounds) of	
property	1	duct	
Ammonia-N	0.0350	0.0175	
Cyanide	0.00175	0.000876	
Phenols (4AAP)	0.000175	0.0000584	
Lead	0.000263	0.0000876	
Zinc	0.000394	0.000131	
History, Cr. Dogistor May 1	000 No 401 off 6 1 00		

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.036 Pretreatment standards for new sources. Except as provided in s. NR 211.13, a new source subject to this subchapter which introduces pollutants into a POTW shall comply with ch. NR 211 and achieve the following PSNS:

	Table 26	
Ire	on Blast Furnace	
	PSNS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
Ammonia-N	0.00876	0.00292
Cyanide	0.000584	0.000292
Phenols (4AAP)	0.0000584	0.0000292
Lead	0.000263	0.0000876
Zinc	0.000394	0.000131
History Ca Desister Mary 1	000 No 401 off 6 1 90)

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

Subchapter IV — Steelmaking Subcategory

NR 254.04 Applicability; description of the steelmaking subcategory. This subchapter applies to the discharge of pollutants to waters of the state and the introduction of pollutants into POTWs from steelmaking operations conducted in basic oxygen, open hearth, and electric arc furnaces.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.041 Specialized definitions. The following definitions are applicable to the terms used in the steelmaking subcategory:

(1) "Basic oxygen furnace steelmaking" means the production of steel from any combination of molten iron, steel scrap, and fluxes in refractory lined furnaces by adding oxygen.

(2) "Electric arc furnace steelmaking" means the production of steel principally from steel scrap and fluxes in refractory lined furnaces by passing an electric current through the scrap or steel bath.

(3) "Open combustion" means basic oxygen furnace steel making wet air cleaning systems which are designed to allow excess air to enter the air pollution control system for the purpose of combusting the carbon monoxide furnace gases.

(4) "Open hearth furnace steelmaking" means the production of steel from any combination of molten iron, steel scrap, and fluxes in refractory lined fuel fired furnaces equipped with regenerative chambers to recover heat from the flue and combustion gases.

(5) "Semi-wet" means steelmaking air cleaning systems that use water for the sole purpose of conditioning the temperature and humidity of furnace gases such that the gases may be cleaned in dry air pollution control systems.

(6) "Suppressed combustion" means basic oxygen furnace steelmaking wet air cleaning systems which are designed to limit or suppress the combustion of carbon monoxide in furnace gases by restricting the amount of excess air entering the air pollution control system.

(7) "Wet" means steelmaking air cleaning systems that primarily use water for furnace gas cleaning.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.042 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve the following effluent limitations representing the degree of effluent reduction attainable by application of BPT. Semi-wet basic oxygen furnace steelmaking operations and semi-wet electric arc furnace steelmaking operations may not discharge process wastewater pollutants to waters of the state.

Table 27
Wet Suppressed Combustion Basic Oxygen

Furnace Steelmaking		
BPT Effluent Limitations		
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.0312	0.0104
pH	(1)	(1)
(1) Within the range of 6.0 to	9.0	

Table 28

Wet Open Combustion Basic Oxygen Furnace Steelmaking, Wet Open Hearth Furnace Steelmaking, and Wet Electric Arc Furnace Steelmaking BPT Effluent Limitations

BPT Entuent Limitations		
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.0687	0.0229
pН	(1)	(1)

(1) Within the range of 6.0 to 9.0

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NR 254.043 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve the following effluent limitations representing the degree of effluent reduction attainable by application of BAT. Semi-wet basic oxygen furnace steelmaking operations and semi-wet electric arc furnace steelmaking operations may not discharge process wastewater pollutants to waters of the state.

	T 11 00	
	Table 29	D ·
Wet Suppressed Combustion Basic		
Oxygen Furnace Steelmaking		
BAT	Effluent Limitation	S
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
Lead	0.000188	0.0000626
Zinc	0.000282	0.0000939
	Table 30	
Wet Open Combustion Basic Oxygen Furnace Steelmaking,		
Wet Open Hearth Furnace Steelmaking and		
Wet Electric	c Arc Furnace Steel	making
BAT	Effluent Limitation	IS
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
Lead	0.000413	0.000138
Zinc	0.000620	0.000207
History: Cr. Register, May, 1	1989, No. 401, eff. 6-1-89	Э.

NR 254.044 New source performance standards.

The discharge of wastewater pollutants from any new source subject to this subchapter may not exceed the following standards:

	Table 31	
Wet Suppressed Combustion Basic Oxygen		
Fur	nace Steelmaking	
	NSPS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
	25	oduct
property	pre	Juuci
TSS property	0.0146	0.00522
	I	
TSS	0.0146	0.00522
TSS Lead	0.0146 0.000188	0.00522 0.0000626

Table 32
Wet Open Combustion Basic Oxygen Furnace Steelmaking
and Wet Electric Arc Furnace Steelmaking
NCDC

	NSPS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.0321	0.0115
Lead	0.000413	0.000138
Zinc	0.000620	0.000207
pH	(1)	(1)

(1) Within the range of 6.0 to 9.0 **History:** Cr. Register, May, 1989, No. 401, eff. 6-1-89. NR 254.045 Pretreatment standards for existing sources. Except as provided in ss. NR 211.13 and 211.14, any existing source subject to this subchapter which introduces pollutants into a POTW shall comply with ch. NR 211 and achieve the following PSES:

Table 33			
Wet Suppressed Combustion Basic Oxygen			
Fur	nace Steelmaking		
	PSES		
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of	
property	pro	oduct	
Lead	0.000188	0.0000626	
Zinc	0.000282	0.0000939	
Table 34			
Wet Open Combustion	Basic Oxygen Fur	nace Steelmaking.	
	rth Furnace Steelm		
	Arc Furnace Steel		
	PSES	<u> </u>	
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of	
property	product		
Lead	0.000413	0.000138	
Zinc	0.000620	0.000207	

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.046 Pretreatment standards for new sources. Except as provided in s. NR 211.13, any new source subject to this subchapter which introduces pollutants into a POTW shall comply with ch. NR 211 and achieve the following PSNS:

Table 35		
Wet Suppressed Combustion Basic Oxygen		
Fur	mace Steelmaking	
	PSNS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
Lead	0.000188	0.0000626
Zinc	0.000282	0.0000939

Table 36 Wet Open Combustion Basic Oxygen Furnace Steelmaking, and Wet Electric Arc Furnace Steelmaking

	PSES	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
Lead	0.000413	0.000138
Zinc	0.000620	0.000207
History: Cr Pagister May 1	080 No 401 aff 6 1 80)

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.047 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology. Semi-wet basic oxygen furnace steelmaking operations and semi-wet electric arc furnace operations may not discharge process wastewater pollutants to waters of the state. History: Cr. Register, May, 1989, No. 401, eff. 6-1-89. 11

DEPARTMENT OF NATURAL RESOURCES

Subchapter V — Vacuum Degassing Subcategory

NR 254.05 Applicability; description of the vacuum degassing subcategory. This subchapter applies to the discharge of pollutants to waters of the state and the introduction of pollutants into POTWs from vacuum degassing operations conducted by applying a vacuum to molten steel.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.052 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve the following effluent limitations representing the degree of effluent reduction attainable by application of BPT:

Table 37		
Vacuum Degassing		
BPT Effluent Limitations		
	Average of	daily

	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.0156	0.00521
pН	(1)	(1)
(1) Within the range of 6.0 to	0.0	

(1) Within the range of 6.0 to 9.0

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.053 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve the following effluent limitations representing the degree of effluent reduction attainable by application of BAT:

	Table 38	
Va	acuum Degassing	
BAT	FEffluent Limitatio	ons
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
Lead	0.0000939	0.0000313
Zinc	0.000141	0.0000469
History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.		

NR 254.054 New source performance standards. The discharge of wastewater pollutants from any new source sub-

ject to this subchapter may not exceed the following standards:

Va	Table 39 acuum Degassing	
	NSPS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.00730	0.00261
Lead	0.0000939	0.0000313
Zinc	0.000141	0.0000469
pH	(1)	(1)

(1) Within the range of 6.0 to 9.0

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.055 Pretreatment standards for existing sources. Except as provided in ss. NR 211.13 and 211.14, any existing source subject to this subchapter which introduces pollutants into a POTW shall comply with ch. NR 211 and achieve the following PSES:

Va	Table 40 acuum Degassing	
	PSES	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
Lead	0.0000939	0.0000313
Zinc	0.000141	0.0000469
History: Cr. Register, May,	1989, No. 401, eff. 6-1-89	Э.

NR 254.056 Pretreatment standards for new sources. Any new source subject to this subchapter which introduces pollutants into a POTW shall comply with ch. NR 211 and achieve the following PSNS:

	Table 41	
Va	acuum Degassing	
	PSNS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
Lead	0.0000939	0.0000313
Zinc	0.000141	0.0000469
History: Cr Pagister May 1	989 No 401 aff 6 1 80)

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

Subchapter VI — Continuous Casting Subcategory

NR 254.06 Applicability; description of the continuous casting subcategory. This subcategory applies to the discharge of pollutants to waters of the state and the introduction of pollutants into POTWs from the continuous casting of molten steel into intermediate or semifinished steel products through water cooled molds.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.062 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve the following effluent limitations representing the degree of effluent reduction attainable by application of BPT:

- -	Table 42	
Co	ntinuous Casting	
BPT	Effluent Limitatio	ons
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.0780	0.0260
O&G	0.0234	0.0078
pН	(1)	(1)
(1) Within the range of 6.0 to	9.0	

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.063 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve

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the following effluent limitations representing the degree of effluent reduction attainable by application of BAT:

Table 43			
Continuous Casting			
BAT Ef	BAT Effluent Limitations		
		Average of	
		daily values for	
	Maximum for	30 consecutive	
	any 1 day	days	
Pollutant or pollutant	kg/kkg (pounds p	per 1,000 pounds)	
property	of pr	oduct	
Lead	0.0000939	0.0000313	
Zinc	0.000141	0.0000469	
History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.			

NR 254.064 New source performance standards. The discharge of process wastewater pollutants from any new source subject to this subchapter may not exceed the following standards:

Table 44 Continuous Casting		
NSPS		
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.00730	0.00261
O&G	0.00313	0.00104
Lead	0.0000939	0.0000313
Zinc	0.000141	0.0000469
pH (1) Within the surge of (0 to	(1)	(1)

(1) Within the range of 6.0 to 9.0

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.065 Pretreatment standards for existing sources. Except as provided in ss. NR 211.13 and 211.14, any existing source subject to the continuous casting subcategory which introduces pollutants into a POTW shall comply with ch. NR 211 and achieve the following PSES:

Co	Table 45 ontinuous Casting	
-	PSES	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
Lead	0.0000939	0.0000313
Zinc	0.000141	0.0000469
History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.		

NR 254.066 Pretreatment standards for new sources. Any new source subject to this subchapter which introduces pollutants into a POTW shall comply with ch. NR 211 and achieve the following PSNS:

Table 46 Continuous Casting		
	PSNS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
Lead	0.0000939	0.0000313
Zinc	0.000141	0.0000469
History Cr Register May 1	1989 No 401 eff 6-1-89)

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

Subchapter VII — Hot Forming Subcategory

NR 254.07 Applicability; description of hot forming subcategory. This subchapter applies to the discharge of pollutants to waters of the state and the introduction of pollutants into POTWs from hot forming operations conducted in primary, section, flat, and pipe and tube mills.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.071 Specialized definitions. The following definitions are applicable to the terms used in this subchapter:

(1) "Carbon hot forming operation" means hot forming operations which produce a majority, on a tonnage basis, of carbon steel products.

(2) "Carbon steel" means steel products other than specialty steel products.

(3) "Hot forming" means steel operations in which solidified heated steel is shaped by rolls.

(4) "Hot strip and sheet mill" means steel hot forming operations that produce flat hot-rolled products other than plates.

(5) "Pipe and tube mill" means steel hot forming operations that produce butt welded or seamless tubular products.

(6) "Plate mill" means steel hot forming operations that produce flat hot rolled products which are either between 8 and 48 inches wide and over 0.23 inches thick or greater than 48 inches wide and over 0.18 inches thick.

(7) "Primary mill" means the first hot forming steel operations performed on solidified steel after it is removed from the ingot mold, such as steel hot forming operations that reduce ingots to blooms or slabs by passing the ingots between rotating steel rolls.

(8) "Scarfing" means steel surface conditioning operations in which flames generated by the combustion of oxygen and fuel are used to remove surface metal imperfections from slabs, billets, or blooms.

(9) "Section mill" means steel hot forming operations that produce finished and semifinished steel products other than the products of flat, pipe and tube, plate, and hot strip and sheet mills.

(10) "Specialty hot forming operation" means all hot forming operations other than carbon hot forming operations.

(11) "Specialty steel" means steel products containing alloying elements, such as aluminum, chromium, cobalt, columbium, molybdenum, nickel, titanium, tungsten, vanadium, or zirconium, which are added to enhance the properties of the steel product when individual alloying elements exceed 3% or the total of all alloying elements exceeds 5%.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.072 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve the following effluent limitations representing the degree of effluent reduction attainable by application of BPT:

Table 47 Carbon and Specialty Primary Mills Without Scarfing		
BPT Effluent Limitations		
Average of daily		
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.150	0.0561
O&G	0.0374	
pH	(1)	(1)
(1) Within the range of 6.0 to	9.0	

NR 254.074

	T 11 40	
Carbon and Specie	Table 48 alty Primary Mills V	With Scarfing
Carbon and Specialty Primary Mills With Scarfing BPT Effluent Limitations		
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant		er 1,000 pounds) of
property TSS	pro	0.0830
0&G	0.0553	0.0850
pH	(1)	(1)
(1) Within the range of 6.0 to		(-)
	Table 49	
Car	bon Section Mills	
	Effluent Limitation	s
		Average of daily
	Maximum for	values for 3 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property TSS	0.357	0.134
0&G	0.0894	0.134
pH	(1)	(1)
(1) Within the range of 6.0 to		
	Table 50	
Spec	cialty Section Mills	
BPT	Effluent Limitation	s
		Average of daily
	Maximum for	values for 30 con-
	any I day	secutive days
Pollutant or pollutant	any I day kg/kkg (pounds p	secutive days er 1,000 pounds) of
property	pro	oduct
property TSS	any 1 day kg/kkg (pounds p prc 0.224 0.0561	secutive days er 1,000 pounds) of aduct 0.0841
property	0.224 pro	oduct
TSS O&G	0.224 0.0561 (1)	0.0841
property TSS O&G pH	0.224 0.0561 (1) 9.0	0.0841
	0.224 0.0561 (1) 9.0 Table 51 cialty Hot Strip and	0.0841 (1) Sheet Mills
	0.224 0.0561 (1) 9.0	0.0841 (1) Sheet Mills s
	0.224 0.0561 (1) 9.0 Table 51 cialty Hot Strip and Effluent Limitation	Oduct 0.0841 (1) Sheet Mills s Average of daily
	0.224 0.0561 (1) 9.0 Table 51 cialty Hot Strip and Effluent Limitation Maximum for	oduct 0.0841 (1) Sheet Mills s Average of daily values for 30 con-
property TSS O&G pH (1) Within the range of 6.0 to Carbon and Spec BPT	0.224 0.0561 (1) 9.0 Table 51 cialty Hot Strip and Effluent Limitation Maximum for any 1 day	oduct 0.0841 (1) Sheet Mills s Average of daily values for 30 consecutive days
property TSS O&G pH (1) Within the range of 6.0 to Carbon and Spec BPT Pollutant or pollutant	0.224 0.0561 (1) 9.0 Table 51 cialty Hot Strip and Effluent Limitation Maximum for any 1 day kg/kkg (pounds p	oduct 0.0841 (1) Sheet Mills s Average of daily values for 30 consecutive days er 1,000 pounds) of
property TSS O&G pH (1) Within the range of 6.0 to Carbon and Spec BPT Pollutant or pollutant property	0.224 0.0561 (1) 9.0 Table 51 cialty Hot Strip and Effluent Limitation Maximum for any 1 day kg/kkg (pounds p	oduct 0.0841 (1) Sheet Mills s Average of daily values for 30 consecutive days
property TSS O&G pH (1) Within the range of 6.0 to Carbon and Spec BPT Pollutant or pollutant	0.224 0.0561 (1) 9.0 Table 51 cialty Hot Strip and Effluent Limitation Maximum for any 1 day kg/kkg (pounds p	oduct 0.0841 (1) Sheet Mills s Average of daily values for 30 consecutive days er 1,000 pounds) of oduct
property TSS O&G pH (1) Within the range of 6.0 to Carbon and Spec BPT Pollutant or pollutant property TSS O&G pH	0.224 0.0561 (1) 9.0 Table 51 cialty Hot Strip and Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.427 0.107 (1)	oduct 0.0841 (1) Sheet Mills s Average of daily values for 30 consecutive days er 1,000 pounds) of oduct
property TSS O&G pH (1) Within the range of 6.0 to Carbon and Spec BPT Pollutant or pollutant property TSS O&G	0.224 0.0561 (1) 9.0 Table 51 cialty Hot Strip and Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.427 0.107 (1)	oduct 0.0841 (1) Sheet Mills s Average of daily values for 30 consecutive days er 1,000 pounds) of oduct 0.160
property TSS O&G pH (1) Within the range of 6.0 to Carbon and Spec BPT Pollutant or pollutant property TSS O&G pH	0.224 0.0561 (1) 9.0 Table 51 cialty Hot Strip and Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.427 0.107 (1)	oduct 0.0841 (1) Sheet Mills s Average of daily values for 30 consecutive days er 1,000 pounds) of oduct 0.160
property TSS O&G pH (1) Within the range of 6.0 to Carbon and Spec BPT Pollutant or pollutant property TSS O&G pH (1) Within the range of 6.0 to	0.224 0.0561 (1) 9.0 Table 51 cialty Hot Strip and Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.427 0.107 (1) 9.0 Table 52 arbon Plate Mills	oduct 0.0841 (1) Sheet Mills s Average of daily values for 30 consecutive days er 1,000 pounds) of oduct 0.160 (1)
property TSS O&G pH (1) Within the range of 6.0 to Carbon and Spec BPT Pollutant or pollutant property TSS O&G pH (1) Within the range of 6.0 to	0.224 0.0561 (1) 9.0 Table 51 cialty Hot Strip and Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.427 0.107 (1) 9.0 Table 52	oduct 0.0841 (1) Sheet Mills s Average of daily values for 30 consecutive days er 1,000 pounds) of oduct 0.160 (1)
property TSS O&G pH (1) Within the range of 6.0 to Carbon and Spec BPT Pollutant or pollutant property TSS O&G pH (1) Within the range of 6.0 to	0.224 0.0561 (1) 9.0 Table 51 cialty Hot Strip and Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.427 0.107 (1) 9.0 Table 52 arbon Plate Mills Effluent Limitation	oduct 0.0841 (1) Sheet Mills s Average of daily values for 30 consecutive days er 1,000 pounds) of oduct 0.160 (1) s Average of daily
property TSS O&G pH (1) Within the range of 6.0 to Carbon and Spec BPT Pollutant or pollutant property TSS O&G pH (1) Within the range of 6.0 to	0.224 0.0561 (1) 9.0 Table 51 cialty Hot Strip and Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.427 0.107 (1) 9.0 Table 52 arbon Plate Mills Effluent Limitation Maximum for	oduct 0.0841 (1) Sheet Mills s Average of daily values for 30 consecutive days er 1,000 pounds) of oduct 0.160 (1) s Average of daily values for 30 consecutive days
property TSS O&G pH (1) Within the range of 6.0 to Carbon and Spec BPT Pollutant or pollutant property TSS O&G pH (1) Within the range of 6.0 to Carbon and Spec BPT	0.224 0.0561 (1) 9.0 Table 51 51 51 51 51 51 51 51 51 51	oduct 0.0841 (1) Sheet Mills s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct 0.160 (1) s Average of daily values for 30 con- secutive days
property TSS O&G pH (1) Within the range of 6.0 to Carbon and Spec BPT Pollutant or pollutant property TSS O&G pH (1) Within the range of 6.0 to Carbon and Spec BPT Carbon and Spec Carbon and Spec BPT Carbon and Spec BPT Carbon and Spec Carbon and Spec Carbon and Spec Carbon and Spec BPT Carbon and Spec Carbon and Carbon and C	0.224 0.0561 (1) 9.0 Table 51 Sialty Hot Strip and Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.427 0.107 (1) 9.0 Table 52 arbon Plate Mills Effluent Limitation Maximum for any 1 day kg/kkg (pounds p	oduct 0.0841 (1) Sheet Mills s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct 0.160 (1) s Average of daily values for 30 con- secutive days er 1,000 pounds) of
property TSS O&G pH (1) Within the range of 6.0 to Carbon and Spec BPT Pollutant or pollutant property TSS O&G pH (1) Within the range of 6.0 to Carbon and Spec BPT	0.224 0.0561 (1) 9.0 Table 51 Sialty Hot Strip and Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.427 0.107 (1) 9.0 Table 52 arbon Plate Mills Effluent Limitation Maximum for any 1 day kg/kkg (pounds p	oduct 0.0841 (1) Sheet Mills s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct 0.160 (1) s Average of daily values for 30 con- secutive days
property TSS O&G pH (1) Within the range of 6.0 to Carbon and Spec BPT Pollutant or pollutant property TSS O&G pH (1) Within the range of 6.0 to Ca BPT Carbon and Spec BPT Carbon and Spec Pollutant or pollutant property	0.224 0.0561 (1) 9.0 Table 51 Sialty Hot Strip and Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.427 0.107 (1) 9.0 Table 52 arbon Plate Mills Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro	oduct 0.0841 (1) Sheet Mills s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct 0.160 (1) s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct
property TSS O&G pH (1) Within the range of 6.0 to Carbon and Spec BPT Pollutant or pollutant property TSS O&G pH (1) Within the range of 6.0 to Carbon and Spec BPT Carbon and Spec Carbon and Spec BPT Carbon and Spec Carbon and Spec Carbon and Spec BPT Carbon and Spec Carbon and Spec Carbo	0.224 0.0561 (1) 9.0 Table 51 cialty Hot Strip and Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.427 0.107 (1) 9.0 Table 52 arbon Plate Mills Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.227 0.0568 (1)	oduct 0.0841 (1) Sheet Mills s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct 0.160 (1) s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct

13

Table 53			
Specialty Plate Mills			
BPT Effluent Limitations			
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of	
property	property product		
TSS	0.100	0.0376	
O&G	0.0250		
pН	(1)	(1)	
(1) Within the range of 6.0 to	9.0		
	Table 54		
Carbon and Specialty Pipe and Tube Mills			
BPT	BPT Effluent Limitations		
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or pollutant		er 1,000 pounds) of	
property		oduct	
TSS	1		
155	0.212	0.0795	
O&G	0.0530		
pH	(1)	(1)	
(1) Within the range of 6.0 to	0.0		

(1) Within the range of 6.0 to 9.0 History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.073 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically **achievable.** The effluent limitations set forth in s. NR 254.072 represent BAT.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.074 New source performance standards. The discharge of process wastewater pollutants from any new source subject to the hot forming subchapter may not exceed the following standards:

Table 55		
Carbon and Specialty Primary Mills Without Scarfing		
NSPS		
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property		
TSS	0.0150	0.00563
O&G	0.00373	
pН	(1)	(1)
(1) Within the range of 6.0 to	9.0	
	Table 56	
Carbon and Specie	alty Primary Mills	With Scarfing
	NSPS	
	1015	Average of daily
	Maximum for	
	any 1 day	
Pollutant or pollutant		er 1,000 pounds) of
property	product	
TSS	0.0234	0.00876
0&G	0.00584	0.00070
Juo	0.00501	

pH (1) Within the range of 6.0 to 9.0 (1)

(1)

WISCONSIN ADMINISTRATIVE CODE

Table 57		
Car	bon Section Mills	
	NSPS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.0334	0.0125
O&G	0.00834	
рH	(1)	(1)

(1) Within the range of 6.0 to 9.0

Spec	Table 58 cialty Section Mills	
I · ·	NSPS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.0217	0.00813
O&G	0.00542	
pН	(1)	(1)

(1) Within the range of 6.0 to 9.0

Table 59
Carbon and Specialty Hot Strip and Sheet Mills
NCDC

	NSP5	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.0435	0.0163
O&G	0.0109	
pН	(1)	(1)

(1) Within the range of 6.0 to 9.0

	Table 60	
Ca	arbon Plate Mills	
	NSPS	
	Maximum for	Average of daily
	any 1 day	values for 30 con-
		secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.0234	0.00876
O&G	0.00584	
pH	(1)	(1)

(1) Within the range of 6.0 to 9.0

	Table 61	
Spe	ecialty Plate Mills	
	NSPS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.0100	0.00375
O&G	0.00250	
pН	(1)	(1)

(1) Within the range of 6.0 to 9.0

Carbon and S	Table 62 pecialty Pipe and T	ube Mills
	NSPS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.0369	0.0138
O&G	0.00917	
рH	(1)	(1)

14

(1) Within the range of 6.0 to 9.0

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.075 Pretreatment standards for existing sources. Any existing source subject to this subchapter which introduces pollutants into a POTW shall comply with ch. NR 211.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.076 Pretreatment standards for new sources. Any new source subject to this subchapter which introduces pollutants into a POTW shall comply with ch. NR 211. History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.077 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology. The BCT effluent limitations are identical to the limitations set forth in s. NR 254.072.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

Subchapter VIII — Salt Bath Descaling Subcategory

NR 254.08 Applicability; description of the salt bath descaling subcategory. This subchapter applies to the discharge of pollutants to waters of the state and the introduction of pollutants into POTWs from oxidizing and reducing salt bath descaling operations.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.081 Specialized definitions. The following definitions are applicable to the terms used in this subchapter:

(1) "Batch" means descaling operations in which the products are processed in discrete batches.

(2) "Continuous" means descaling operations that remove surface scale from sheet or wire products in continuous processes.

(3) "Oxidizing salt bath descaling" means the removal of scale from semi-finished steel products by the action of molten salt baths other than those containing sodium hydride.

(4) "Pipe and tube batch" means descaling operations that remove surface scale from pipe and tube products in batch processes.

(5) "Reducing salt bath descaling" means the removal of scale from semi-finished steel products by the action of molten salt baths containing sodium hydride.

(6) "Rod and wire batch" means descaling operations that remove surface scale from rod and wire products in batch processes.

(7) "Sheet and plate batch" means descaling operations that remove surface scale from sheet and plate products in batch processes.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.082 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall

15

DEPARTMENT OF NATURAL RESOURCES

NR 254.083

achieve the following effluent limitations representing the degree of effluent reduction attainable by application of BPT: Table 63

Sheet And Plate Ba	tch Oxidizing Salt	Bath Descaling
BPT	Effluent Limitation	S
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.204	0.0876
Chromium	0.00292	0.00117
Nickel	0.00263	0.000876
pH	(1)	(1)
(1) Within the range of 6.0 to	0.0	

(1) Within the range of 6.0 to 9.0

Table 64
Rod And Wire Batch Oxidizing Salt Bath Descaling
BPT Effluent Limitations

		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.123	0.0526
Chromium	0.00175	0.000701
Nickel	0.00158	0.000526
pН	(1)	(1)

(1) Within the range of 6.0 to 9.0

Table 65	
Pipe And Tube Batch Oxidizing Salt Bath Descaling	
BPT Effluent Limitations	

DII	Diffacile Diffication	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.496	0.213
Chromium	0.00709	0.00284
Nickel	0.00638	0.00213
pH	(1)	(1)

(1) Within the range of 6.0 to 9.0

Continuous O	Table 66 xidizing Salt Bath l	Descaling
BPT	Effluent Limitation	S
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.0964	0.0413
Chromium	0.00138	0.000551
Nickel	0.00124	0.000413
pH	(1)	(1)

(1) Within the range of 6.0 to 9.0

	Table 67	
Batch Redu	ucing Salt Bath Des	caling
BPT	Effluent Limitation	s
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant		er 1,000 pounds) of
property		oduct
TSS	0.0949	0.0407
Cyanide	0.00102	0.000339
Chromium	0.00136	0.00542
Nickel	0.00122	0.000407
pН	(1)	(1)
(1) Within the range of 6.0 to		()
	T 11 (0	
	Table 68	N 1'
	educing Salt Bath I	
BPI	Effluent Limitation	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.532	0.228
Cyanide	0.00569	0.00190
Chromium	0.00759	0.00304
Nickel	0.00683	0.00228
pН	(1)	(1)
(1) Within the range of 6.0 to		

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.083 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve the following effluent limitations representing the degree of effluent reduction attainable by application of BAT:

	Table 69	
Sheet And Plate Ba	tch Oxidizing Salt	Bath Descaling
BAT	Effluent Limitation	S
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
Chromium	0.00292	0.00117
Nickel	0.00263	0.000876
	T 11 7 0	
	Table 70	
	ch Oxidizing Salt E	
BAT	Effluent Limitation	S
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
Chromium	0.00175	0.000701
Nickel	0.00158	0.000526

WISCONSIN ADMINISTRATIVE CODE

	Table 71	
Pipe And Tube Bat	ch Oxidizing Salt E	Bath Descaling
BAT	Effluent Limitation	
		Average of daily
	Maximum for	
	any I day	secutive days er 1,000 pounds) of
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property		oduct
Chromium	0.00709	0.00284
Nickel	0.00638	0.00213
	Table 72	
Continuous O	xidizing Salt Bath I	Descaling
BAT	Effluent Limitation	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	secutive days er 1,000 pounds) of
property Chromium	pro	oduct
	0.00138	0.000551
Nickel	0.00124	0.000413
	Table 72	
	Table 73	
Datah Dada	uning Solt Dath Das	00 100
Batch Red	ucing Salt Bath Des	scaling
Batch Red	ucing Salt Bath Des Effluent Limitation	S
Batch Redu BAT	Effluent Limitation	s Average of daily
Batch Redu BAT	Effluent Limitation Maximum for	s Average of daily values for 30 con-
BAT	Effluent Limitation Maximum for	s Average of daily values for 30 con-
BAT Pollutant or pollutant	Effluent Limitation Maximum for any 1 day kg/kkg (pounds p	s Average of daily values for 30 con- secutive days er 1,000 pounds) of
Pollutant or pollutant property	Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro	s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct
Pollutant or pollutant property Cyanide	Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.00102	s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct 0.000339
Pollutant or pollutant property Cyanide Chromium	Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.00102 0.00136	s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct 0.000339 0.000542
Pollutant or pollutant property Cyanide	Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.00102	s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct 0.000339
Pollutant or pollutant property Cyanide Chromium Nickel	Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.00102 0.00136 0.00122 Table 74	s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct 0.000339 0.000542 0.000407
Pollutant or pollutant property Cyanide Chromium Nickel	Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.00102 0.00136 0.00122	s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct 0.000339 0.000542 0.000407
Pollutant or pollutant property Cyanide Chromium Nickel Continuous R	Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.00102 0.00136 0.00122 Table 74	s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct 0.000339 0.000542 0.000407 Descaling s
Pollutant or pollutant property Cyanide Chromium Nickel Continuous R	Effluent Limitation Maximum for any 1 day kg/kkg (pounds p 0.00102 0.00136 0.00122 Table 74 educing Salt Bath I	s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct 0.000339 0.000542 0.000407 Descaling s Average of daily
Pollutant or pollutant property Cyanide Chromium Nickel Continuous R	Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.00102 0.00136 0.00122 Table 74 educing Salt Bath I Effluent Limitation Maximum for	s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct 0.000339 0.000542 0.000407 Descaling s Average of daily values for 30 con-
BAT Pollutant or pollutant property Cyanide Chromium Nickel Continuous R BAT	Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.00102 0.00136 0.00122 Table 74 educing Salt Bath I Effluent Limitation Maximum for	s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct 0.000339 0.000542 0.000407 Descaling s Average of daily values for 30 con-
Pollutant or pollutant property Cyanide Chromium Nickel Continuous R BAT	Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.00102 0.00136 0.00122 Table 74 educing Salt Bath I Effluent Limitation Maximum for any 1 day kg/kkg (pounds p	s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct 0.000339 0.000542 0.000407 Descaling s Average of daily values for 30 con- secutive days er 1,000 pounds) of
Pollutant or pollutant property Cyanide Chromium Nickel Continuous R BAT	Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.00102 0.00136 0.00122 Table 74 educing Salt Bath I Effluent Limitation Maximum for any 1 day kg/kkg (pounds p	s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct 0.000339 0.000542 0.000407 Descaling s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct
Pollutant or pollutant property Cyanide Chromium Nickel Continuous R BAT Pollutant or pollutant property Cyanide	Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.00102 0.00136 0.00122 Table 74 educing Salt Bath I Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.00569	s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct 0.000339 0.000542 0.000407 Descaling s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct 0.00190
Pollutant or pollutant property Cyanide Chromium Nickel Continuous R BAT	Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.00102 0.00136 0.00122 Table 74 educing Salt Bath I Effluent Limitation Maximum for any 1 day kg/kkg (pounds p	s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct 0.000339 0.000542 0.000407 Descaling s Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.084 New source performance standards. The discharge of wastewater pollutants from any new source subject to this subchapter may not exceed the limitations set forth in s. NR 254.082.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.085 Pretreatment standards for existing sources. Except as provided in ss. NR 211.13 and 211.14, any existing source subject to this subchapter which introduces pollutants into a POTW shall comply with ch. NR 211 and achieve the limitations set forth in s. NR 254.083.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.086 Pretreatment standards for new sources. Except as provided in s. NR 211.13, any new source subject to this subchapter which introduces pollutants into a POTW shall comply with ch. NR 211 and achieve the limitations set forth in s. NR 254.083.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.087 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve the following effluent limitations representing the degree of effluent reduction attainable by application of BCT:

	Table 75		
Sheet And Plate Batch Oxidizing Salt Bath Descaling			
BCT Effluent Limitations			
		Average of daily	
	Maximum for	values for 30 con	
	any 1 day	secutive days	
Pollutant or pollutant		er 1,000 pounds) o	
property	pro	oduct	
TSS	0.204	0.0876	
pH	(1)	(1)	
(1) Within the range of 6.0 to	9.0		
	Table 76		
Rod And Wire Bat	ch Oxidizing Salt E	Rath Descaling	
BCT	Effluent Limitation	s an Deseaning	
ber		Average of daily	
	Maximum for	values for 30 con-	
		secutive days er 1,000 pounds) o	
Pollutant or pollutant			
property TSS	pro	oduct	
	0.123	0.0526	
pH	(1)	(1)	
(1) Within the range of 6.0 to	9.0		
	Table 77		
Pipe And Tube Bat	ch Oxidizing Salt F	Bath Descaling	
BCT	Effluent Limitation	18	
		Average of	
		daily values for	
	Maximum for	30 consecutive	
		days	
Pollutant or pollutant	any 1 day	er 1,000 pounds) o	
-,		oduct	
TSS	0.496	0.213	
	(1)		
pH		(1)	
(1) Within the range of 6.0 to	9.0		
	Table 78		
Continuous O	Table 78 xidizing Salt Bath I	Descaling	
Continuous O	Table 78	IS	
Continuous O	Table 78 xidizing Salt Bath I	IS	
Continuous O	Table 78 xidizing Salt Bath I Effluent Limitation	Average of daily	
Continuous O	Table 78 xidizing Salt Bath l Effluent Limitation Maximum for	Average of daily values for 30 con	
Continuous O BCT	Table 78 xidizing Salt Bath 1 Effluent Limitation Maximum for any 1 day	Average of daily values for 30 con secutive days	
Continuous O BCT	Table 78 xidizing Salt Bath 1 Effluent Limitation Maximum for any 1 day kg/kkg (pounds p	Average of daily values for 30 con secutive days er 1,000 pounds) o	
Continuous O BCT	Table 78 xidizing Salt Bath I Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro	Average of daily values for 30 con secutive days er 1,000 pounds) o oduct	
Continuous O BCT	Table 78 xidizing Salt Bath I Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.0964	Average of daily values for 30 con secutive days er 1,000 pounds) o oduct 0.0413	
Continuous O BCT I Pollutant or pollutant property TSS pH	Table 78 xidizing Salt Bath I Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.0964 (1)	Average of daily values for 30 con secutive days er 1,000 pounds) o oduct	
Continuous O BCT	Table 78 xidizing Salt Bath I Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.0964 (1) 9.0	Average of daily values for 30 con secutive days er 1,000 pounds) o oduct 0.0413	
Continuous O BCT	Table 78 xidizing Salt Bath I Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.0964 (1) 9.0 Table 79	Average of daily values for 30 con secutive days er 1,000 pounds) o oduct 0.0413 (1)	
Continuous O BCT	Table 78 xidizing Salt Bath I Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.0964 (1) 9.0 Table 79 ucing Salt Bath Des	Average of daily values for 30 con secutive days er 1,000 pounds) o oduct 0.0413 (1) scaling	
Continuous O BCT	Table 78 xidizing Salt Bath I Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.0964 (1) 9.0 Table 79	Average of daily values for 30 con secutive days er 1,000 pounds) o oduct 0.0413 (1)	
Continuous O BCT	Table 78 xidizing Salt Bath I Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.0964 (1) 9.0 Table 79 ucing Salt Bath Des	Average of daily values for 30 con secutive days er 1,000 pounds) o oduct 0.0413 (1) scaling is	
Continuous O BCT	Table 78 xidizing Salt Bath I Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.0964 (1) 9.0 Table 79 ucing Salt Bath Des	Average of daily values for 30 con secutive days er 1,000 pounds) o oduct 0.0413 (1) scaling is Average of daily	
Continuous O BCT	Table 78 xidizing Salt Bath I Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.0964 (1) 9.0 Table 79 ucing Salt Bath Des Effluent Limitation Maximum for	Average of daily values for 30 con secutive days er 1,000 pounds) o oduct 0.0413 (1) scaling is Average of daily values for 30 con	
Continuous O BCT 1 Pollutant or pollutant property TSS pH (1) Within the range of 6.0 to Batch Redu BCT 1	Table 78 xidizing Salt Bath I Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.0964 (1) 9.0 Table 79 ucing Salt Bath Des Effluent Limitation Maximum for any 1 day	Average of daily values for 30 con secutive days er 1,000 pounds) o oduct 0.0413 (1) scaling is Average of daily values for 30 con secutive days	
Continuous O BCT 1 Pollutant or pollutant property TSS pH (1) Within the range of 6.0 to Batch Redu BCT 1 Pollutant or pollutant	Table 78 xidizing Salt Bath I Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.0964 (1) 9.0 Table 79 ucing Salt Bath Des Effluent Limitation Maximum for any 1 day kg/kkg (pounds p	Average of daily values for 30 con secutive days er 1,000 pounds) o oduct 0.0413 (1) scaling is Average of daily values for 30 con secutive days er 1,000 pounds) o	
Continuous O BCT 1 Pollutant or pollutant property TSS pH (1) Within the range of 6.0 to Batch Redu BCT 1 Pollutant or pollutant property	Table 78 xidizing Salt Bath I Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.0964 (1) 9.0 Table 79 ucing Salt Bath Dess Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro	Average of daily values for 30 con- secutive days er 1,000 pounds) or oduct 0.0413 (1) scaling is Average of daily values for 30 con- secutive days er 1,000 pounds) or oduct	
Continuous O BCT 1 Pollutant or pollutant property TSS pH (1) Within the range of 6.0 to Batch Redu BCT 1 Pollutant or pollutant	Table 78 xidizing Salt Bath I Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.0964 (1) 9.0 Table 79 ucing Salt Bath Des Effluent Limitation Maximum for any 1 day kg/kkg (pounds p	Average of daily values for 30 con- secutive days er 1,000 pounds) or oduct 0.0413 (1) scaling is Average of daily values for 30 con- secutive days er 1,000 pounds) or	

(1) Within the range of 6.0 to 9.0

NR 254.092

Table 80			
Continuous Reducing Salt Bath Descaling			
BCT	BCT Effluent Limitations		
Average of dai			
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or pollutant	Pollutant or pollutant kg/kkg (pounds per 1,000 pounds) of		
property	pro	oduct	
TSS	0.532	0.228	
pН	(1)	(1)	
(1) Within the range of 6.0 to 9.0			

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

Subchapter IX — Acid Pickling Subcategory

NR 254.09 Applicability; description of the acid pickling subcategory. This subcategory applies to the discharge of pollutants to waters of the state and the introduction of pollutants into POTWs from sulfuric acid, hydrochloric acid, or combination acid pickling operations.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.091 Specialized definitions. The following definitions are applicable to the terms used in this subchapter:

(1) "Acid recovery" means sulfuric acid pickling operations that include processes for recovering the unreacted acid from spent pickling solutions.

(2) "Acid regeneration" means hydrochloric acid pickling operations that include processes for regenerating acid from spent pickling solutions.

(3) "Bar, billet, and bloom" means acid pickling operations that pickle bar, billet, or bloom products.

(4) "Batch" means pickling operations which process steel products such as coiled wire, rods, and tubes in discrete batches or bundles.

(5) "Combination acid pickling" means operations in which steel products are immersed in solutions of more than one acid to chemically remove oxides and scale and the associated rinsing operations.

(6) "Continuous" means pickling operations other than batch operations.

(7) "Fume scrubber" means pollution control devices used to remove and clean fumes originating in the pickling operations.

(8) "Hydrochloric acid pickling" means operations in which steel products are immersed in hydrochloric acid solutions to chemically remove oxides and scale and the associated rinsing operations.

(9) "Neutralization" means acid pickling operations that do not include acid recovery or acid regeneration.

(10) "Pipe, tube, and other" means acid pickling operations that pickle pipes, tubes, or any steel product other than a rod, wire, coil, bar, billet, bloom, strip, sheet, or plate.

(11) "Rod, wire, and coil" means acid pickling operations that pickle rod, wire, or coiled rod and wire products.

(12) "Spent acid solution" means solutions of steel pickling acids which have been used in the pickling process and are discharged or removed.

(13) "Strip, sheet, and plate" means acid pickling operations that pickle strip, sheet, or plate products.

(14) "Sulfuric acid pickling" means operations in which steel products are immersed in sulfuric acid solutions to chemically remove oxides and scale and the associated rinsing operations.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.092 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve the following effluent limitations representing the degree of effluent reduction attainable by application of BPT:

Table 81 Rod, Wire, and Coil Sulfuric Acid Pickling			
BPT Effluent Limitations			
Average of daily			
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or pollutant	ollutant kg/kkg (pounds per 1,000 pounds) of		
property	pro	oduct	
TSS	0.0818	0.0350	
O&G(1)	0.0350	0.0117	
Lead	0.000526	0.000175	
Zinc	0.000701	0.000234	
pН	(2)	(2)	

 The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

(2) Within the range of 6.0 to 9.0

Table 82		
Bar, Billet, and Bloom Sulfuric Acid Pickling		
BPT Effluent Limitations	_	

		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.0263	0.0113
O&G(1)	0.0113	0.0375
Lead	0.000169	0.0000563
Zinc	0.000225	0.0000751
pН	(2)	(2)

 The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

(2) Within the range of 6.0 to 9.0

Table 83 Strip, Sheet, and Plate Sulfuric Acid Pickling			
BPT Effluent Limitations			
	Average of daily		
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or pollutant	kg/kkg (pounds per 1,000 pounds) of		
property	pro	oduct	
TSS	0.0526	0.0225	
O&G(1)	0.0225	0.00751	
Lead	0.000338	0.000113	
Zinc	0.000451	0.000150	
pН	(2)	(2)	

 The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

(2) Within the range of 6.0 to 9.0

WISCONSIN ADMINISTRATIVE CODE

Table 84				
Pipe, Tube, and Other Products Sulfuric Acid Pickling				
BPT E	ffluent Limitations			
		Average of		
		daily values for		
	Maximum for	30 consecutive		
	any 1 day	days		
Pollutant or pollutant	kg/kkg (pounds p	per 1,000 pounds)		
property	of pr	oduct		
TSS	0.146	0.0626		
O&G(1)	0.0626	0.0209		
Lead	0.000939	0.000313		
Zinc	0.00125	0.000417		
nH	(2)	(2)		

(1) The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.
(2) Within the range of 6.0 to 9.0

(2)	witnin	the range	2 01	0.0	ω	9.0

	Table 85	
Sulfuric A	Acid Pickling Fume Sc	rubbers
BP	T Effluent Limitation	s
		Average of dail
	Maximum for	values for 30 cor

	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg per day for ea	ach fume scrubber
property		
TSS	5.72	2.45
O&G(1)	2.45	0.819
Lead	0.0368	0.0123
Zinc	0.0491	0.0164
pH	(2)	(2)

(1) The limitation for O&G is applicable when acid pickling wastewaters are (1) The initiation for occo is appreaded treated with cold rolling wastewaters.(2) Within the range of 6.0 to 9.0

Table 86			
Rod, Wire, and Coil Hydrochloric Acid Pickling			
BPT Effluent Limitations			
	Average of dail		
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of	
property	pro	oduct	
TSS	0.143	0.0613	
O&G(1)	0.0613	0.0204	
Lead	0.000920	0.000307	
Zinc	0.00123	0.000409	
pH	(2)	(2)	

(1) The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.
 (2) Within the range of 6.0 to 9.0

Table 87

Strip, Sheet, and Plate Hydrochloric Acid Pickling			
BPT Effluent Limitations			
Average of a			
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or pollutant	nt kg/kkg (pounds per 1,000 pounds) of		
property	pro	oduct	
TSS	0.0818 0.0350		
O&G(1)	0.0350 0.0117		
Lead	0.000526 0.000175		
Zinc	0.000701	0.000234	
pH	(2)	(2)	

(1) The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.
 (2) Within the range of 6.0 to 9.0

Table 88			
Pipe, Tube, and Other Products Hydrochloric Acid Pickling			
BPT I	Effluent Limitation	S	
Average of daily			
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of	
property	product		
TSS	0.298	0.128	
O&G(1)	0.128	0.0426	

18

0.000638

0.000851

pН (2)(2)The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.
 Within the range of 6.0 to 9.0

0.00192

0.00255

Lead

Zinc

daily

Table 89			
Hydrochloric Acid Pickling Fume Scrubbers			
BPT H	Effluent Limitation	S	
Average of daily Maximum for values for 30 con- any 1 day secutive days			
Pollutant or pollutant			
property			
TSS	5.72	2.45	
O&G(1)	2.45	0.819	
Lead	0.0368	0.0123	
Zinc	0.0491	0.0164	
pН	(2)	(2)	

(1) The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.
(2) Within the range of 6.0 to 9.0

Table 90 Absorber Vent Scrubber Wastewater From Hydrochloric Acid Regeneration

	FIGHT Hydroenione Acid Regeneration		
	BPT Effluent Limitations		
Maximum for va		Average of daily values for 30 con- secutive days	
Pollutant or pollutant			
property kg per day for each fu		ach fume scrubber	
	TSS	38.2	16.3
	O&G(1)	16.3	5.45
	Lead	0.245	0.0819
	Zinc	0.327	0.109
	pН	(2)	(2)

(1) The limitation for O&G is applicable when acid pickling wastewaters are (1) The initiation for occors is appreciate treated with cold rolling wastewaters.(2) Within the range of 6.0 to 9.0

Table 91
Rod, Wire, and Coil Combination Acid Pickling
DDT Efflerent Linstertion

BF1 Enfuent Limitations		
Average		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	product	
TSS	0.149	0.0638
O&G(1)	0.0638	0.0213
Chromium	0.00213	0.000852
Nickel	0.00192	0.000638
pН	(2)	(2)
	(2)	(2)

(1) The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.
 (2) Within the range of 6.0 to 9.0

NR 254.093

Table 92			
Bar, Billet, and Bloom Combination Acid Pickling			
BPT Effluent Limitations			
	Average of da		
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or pollutant kg/kkg (pounds per 1,000 pound		er 1,000 pounds) of	
property	perty product		
TSS	0.0672	0.0288	
O&G(1)	0.0288	0.00960	
Chromium	0.000960	0.000384	
Nickel	0.000864	0.000288	
pH	(2)	(2)	

(1) The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

(2) Within the range of 6.0 to 9.0

Table 93
Strip, Sheet, and Plate Continuous
Combination Acid Pickling
BPT Effluent Limitations

		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.438	0.188
O&G(1)	0.188	0.0626
Chromium	0.00626	0.00250
Nickel	0.00563	0.00188
pН	(2)	(2)

 The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

(2) Within the range of $6.0 \mbox{ to } 9.0$

Table 94			
Strip, Sheet, and Plate Batch Combination Acid Pickling			
BPT I	BPT Effluent Limitations		
	Average of daily		
	Maximum for	values for 30	
	any 1 day	consecutive days	
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of	
property	perty product		
TSS	0.134	0.0576	
O&G(1)	0.0576	0.0192	
Chromium	0.00192	0.000768	
Nickel	0.00173	0.000576	
pH	(2)	(2)	

 The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.
 Within the range of 6.0 to 9.0

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- 13	ab	ю.	9)

Tue te ye	
Pipe, Tube, and Other Products Combination Acid Pickling	
BPT Effluent Limitations	

		Average of daily
	Maximum for	values for 30
	any 1 day	consecutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	product	
TSS	0.225	0.0964
O&G(1)	0.0964	0.0322
Chromium	0.00322	0.00129
Nickel	0.00289	0.000964
pН	(2)	(2)

(1) The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

(2) Within the range of 6.0 to 9.0

Table 96 Combination Acid Pickling Fume Scrubbers			
BPT Effluent Limitations			
Average of daily Maximum for values for 30 con- any 1 day secutive days			
Pollutant or pollutant		· · · · ·	
property	kg per day for ea	ach fume scrubber	
TSS	5.72	2.45	
O&G(1)	2.45	0.819	
Chromium	0.0819	0.0327	
Nickel	0.0735	0.0245	
pН	(2)	(2)	

(1) The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.
 (2) Within the range of 6.0 to 9.0

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.093 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve the following effluent limitations representing the degree of effluent reduction attainable by application of BAT:

	5 11			
Table 97				
Rod, Wire, and Coil Sulfuric Acid Pickling				
BAT Effluent Limitations				
		Average of daily		
	Maximum for			
	any 1 day	secutive days		
Pollutant or	kg/kkg (pounds p	secutive days er 1,000 pounds) of		
pollutant property	pro	duct		
Lead	0.000526	0.000175		
Zinc	0.000701	0.000234		
	Table 98			
Bor Billet and	Bloom Sulfuric Ac	id Dickling		
	Effluent Limitation			
DAL		Average of daily		
	Maximum for	values for 30 con-		
Dollutont on pollutont	lig/lilig (nounds n	secutive days er 1,000 pounds) of		
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of		
property Lead	0.000169	0.0000563		
Zinc	0.000225	0.0000751		
	Table 99			
Strip, Sheet, an	d Plate Sulfuric Ac	id Pickling		
BAT	Effluent Limitation	s		
		Average of daily		
	Maximum for	values for 30 con-		
	anv 1 dav	secutive days		
Pollutant or pollutant	kg/kkg (pounds p	secutive days er 1,000 pounds) of		
property	Dro	duct		
Lead	0.000338	0.000113		
Zinc	0.000451	0.000150		
	Table 100			
Pipe, Tube, and Oth	er Products Sulfuri	c Acid Pickling		
BAT	Effluent Limitation			
		Average of daily		
	Maximum for	values for 30 con-		
	any 1 day	secutive days		
Pollutant or pollutant	kg/kkg (pounds p	secutive days er 1,000 pounds) of		
property	pro	oduct		
Lead	0.000939	0.000313		
Zinc	0.00125	0.000417		

19

WISCONSIN ADMINISTRATIVE CODE

20

	Table 101 d Pickling Fume Sc		Rod, Wire, and C	Table 107 Coil Combination A	cid Pickling
BAT I	Effluent Limitation		BAT	Effluent Limitation	
	Maximum for	Average of daily values for 30 con- secutive days		Maximum for	Average of dai values for 30 co
Pollutant or pollutant		er 1,000 pounds) of	Pollutant or pollutant	any 1 day kg/kkg (pounds p	secutive days er 1,000 pounds) oduct
property Lead	0.0368	0.0123	property Chromium	0.00213	0.000852
Zinc	0.0491	0.0123	Nickel	0.00215	0.000638
Rod, Wire, and C	Table 102 Coil Hydrochloric A	cid Pickling	Bar, Billet, and B	Table 108 loom Combination	Acid Pickling
	Effluent Limitation		BAT	Effluent Limitation	
	Maximum for any 1 day	Average of daily values for 30 con- secutive days		Maximum for any 1 day	Average of da values for 30 cc secutive days
Pollutant or pollutant property	kg/kkg (pounds p	er 1,000 pounds) of duct	Pollutant or pollutant property	kg/kkg (pounds p	er 1,000 pounds) oduct
Lead Zinc	0.000920 0.00123	0.000307 0.000409	Chromium Nickel	0.000960 0.000864	0.000384 0.000288
Strip, Sheet, and F BAT I	Table 103 Plate Hydrochloric A Effluent Limitation	S	-	Table 109 Plate Continuous C Acid Pickling Effluent Limitation	
		Average of	DAI		Average of da
	Maximum for any 1 day	daily values for 30 consecutive days		Maximum for any 1 day	values for 30 co secutive days
Pollutant or pollutant property	kg/kkg (pound pounds) of	s per 1,000	Pollutant or pollutant property	kg/kkg (pounds p	
Lead Zinc	0.000526 0.000701	0.000175 0.000234	Chromium Nickel	0.00626 0.00563	0.00250 0.00188
Pipe, Tube, and Other	Table 104 Products Hydrochlo Effluent Limitation	oric Acid Pickling	Strip, Sheet, and Plat	Table 110 Table Combination Effluent Limitation	on Acid Pickling
	Maximum for	Average of daily values for 30 con-		Maximum for	Average of da values for 30 cc
Pollutant or pollutant		secutive days er 1,000 pounds) of	Pollutant or pollutant	any 1 day kg/kkg (pounds p	
property		oduct	property		oduct
Lead Zinc	0.00192 0.00255	0.000638 0.000851	Chromium Nickel	0.00192 0.00173	0.000768 0.000576
Hydrochloric A	Table 105 cid Pickling Fume	Scrubbers	Pipe, Tube, and Other	Table 111 Products Combinat	ion Acid Picklin
	Effluent Limitation			Effluent Limitation	
	Maximum for any 1 day	Average of daily values for 30 con- secutive days		Maximum for any 1 day	Average of da values for 30 co secutive days
Pollutant or pollutant property	, <u>,</u>	ch fume scrubber	Pollutant or pollutant property	kg/kkg (pounds p	
Lead Zinc	0.0368 0.0491	0.0123 0.0164	Chromium Nickel	0.00322 0.00289	0.00129 0.000964
Absorber V	Table 106 ent Scrubber Waste	ewater	Combination /	Table 112 Acid Pickling Fume	Sorubberg
	chloric Acid Regen			Effluent Limitation	
	Effluent Limitation		DAI	Maximum for	Average of da values for 30 co
	Maximum for any 1 day	values for 30 con- secutive days	Pollutant or pollutant	any 1 day	secutive days
Dellestent en mellestent			property	-	
Pollutant or pollutant	1	1 6			
property Lead	kg per day for ea	<u>och fume scrubber</u> 0.0819	Chromium Nickel	0.0819 0.0735	0.0327 0.0245

NR 254.094

NR 254.094 New source performance standards. The discharge of wastewater pollutants from any new source subject to this subchapter may not exceed the following standards:

21

· · ·	•	U	
	Table 113		
Rod, Wire, and C	Coil Hydrochloric A	cid Pickling	
	NSPS		
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of	
property	pro	oduct	
TSS	0.0146	0.00626	
O&G(1)	0.00626	0.00209	
Lead	0.0000939	0.0000313	
Zinc	0.000125	0.0000417	
pН	(2)	(2)	
 The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters. Within the range of 6.0 to 9.0 			
(2) within the fallge of 0.0 to	2.0		

Table 114
Bar, Billet, and Bloom Sulfuric Acid Pickling
NCDC

	NSPS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.00876	0.00376
O&G(1)	0.00376	0.00125
Lead	0.0000563	0.0000188
Zinc	0.0000751	0.0000250
pН	(2)	(2)

(1) The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.
 (2) Within the range of 6.0 to 9.0

Table 115			
Strip, Sheet, and Plate Sulfuric Acid Pickling			
NSPS			
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of	
property	pro	oduct	
TSS	0.0117	0.00501	
TSS O&G(1)	0.0117 0.00501	0.00501 0.00167	
O&G(1)	0.00501	0.00167	
O&G(1) Lead	0.00501 0.0000751	0.00167 0.0000250	

treated with cold rolling wastewaters. (2) Within the range of 6.0 to 9.0

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п	`~	\mathbf{h}	le	1	1	6
	а	1)	LC .			0

	Table 116			
	Pipe, Tube, and Other Products Sulfuric Acid Pickling			
		NSPS		
		Maximum for	Average of daily	
any 1 day valu			values for 30 con-	
			secutive days	
	Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of	
	property	pro	oduct	
	TSS	0.0204	0.00876	
	O&G(1)	0.00876 0.00292		
	Lead	0.000131	0.0000438	
	Zinc	0.000175 0.0000584		
	pН	(2)	(2)	

(1) The limitation for O&G is applicable when acid pickling wastewaters are (1) The initiation for occor is appreaded treated with cold rolling wastewaters.(2) Within the range of 6.0 to 9.0

Table 117				
Sulfuric Acid Pickling Fume Scrubbers				
NSPS				
	Maximum for any 1 day	Average of daily values for 30 con- secutive days		
Pollutant or pollutant				
property	kg per day for ea	ach fume scrubber		
TSS	5.72	2.45		
O&G(1)	2.45	0.819		
Lead	0.0368	0.0123		
Zinc	0.0491	0.0164		
pH	(2)	(2)		

(1) The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters. (2) Within the range of 6.0 to 9.0

Table 118

Table 118	
Rod, Wire, and Coil Hydrochloric Acid Pickling	
NSPS	

	1101.0	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of
property	pro	oduct
TSS	0.0175	0.00751
O&G(1)	0.00751	0.00250
Lead	0.000113	0.0000376
Zinc	0.000150	0.0000501
pН	(2)	(2)

(1) The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

(2) Within the range of 6.0 to 9.0

Table 119
Strip, Sheet, and Plate Hydrochloric Acid Pickling
NCDC

	NSPS		
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or pollutant	kg/kkg (pounds p	er 1,000 pounds) of	
property	product		
TSS	0.0117	0.00501	
O&G(1)	0.00501	0.00167	
Lead	0.0000751	0.0000250	
Zinc	0.000100	0.0000334	
pН	(2)	(2)	

(1) The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

(2) Within the range of 6.0 to 9.0

Table 120
Pipe, Tube, and Other Products Hydrochloric Acid Pickling
NGDG

	NSPS		
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of	
pollutant property	product		
TSS	0.0321	0.0138	
O&G(1)	0.0138	0.00459	
Lead	0.000206	0.0000688	
Zinc	0.000275	0.0000918	
pН	(2)	(2)	

(1) The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

(2) Within the range of 6.0 to 9.0

WISCONSIN ADMINISTRATIVE CODE

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Table 121 Hydrochloric Acid Pickling Fume Scrubbers		
,	NSPS	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
Pollutant or pollutant property	kg per day for ea	ch fume scrubber
TSS	5.72	2.45
O&G(1)	2.45	0.819
Lead	0.0368	0.0123
Zinc	0.0491	0.0164
pН	(2)	(2)

(1) The limitation for O&G is applicable when acid pickling wastewaters are (1) The initiation for occor is appreaded treated with cold rolling wastewaters.(2) Within the range of 6.0 to 9.0

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Table 122
Rod, Wire, and Coil Combination Acid Pickling
NCDC

	NSPS		
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of	
pollutant property	product		
TSS	0.0204	0.00876	
O&G(1)	0.00876	0.00292	
Chromium	0.000292	0.000117	
Nickel	0.000263	0.0000876	
pH	(2)	(2)	
(1) The limitation for $O\&G$ is applicable when acid nickling wastewaters are			

(1) The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters. (2) Within the range of 6.0 to 9.0

Table 122

14010 125
Bar, Billet, and Bloom Combination Acid Pickling
NSPS

	1451 5	
-		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property	product	
TSS	0.0117	0.00501
O&G(1)	0.00501	0.00167
Chromium	0.000167	0.0000667
Nickel	0.000150	0.0000501
pH	(2)	(2)

(1) The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters. (2) Within the range of 6.0 to 9.0

Table 124
Strip, Sheet, and Plate Continuous Combination
Acid Pickling

	NSPS	
		Average of
		daily values for
	Maximum for	30 consecutive
	any 1 day	days
Pollutant or	kg/kkg (pounds po	er 1,000 pounds) of
pollutant property	pro	duct
TSS	0.0496	0.0213
O&G(1)	0.0213	0.00710
Chromium	0.000710	0.000284
Nickel	0.000638	0.000213
pH	(2)	(2)

(1) The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

(2) Within the range of 6.0 to 9.0

	Table 125		
Strip, Sheet, and Plate Batch Combination Acid Pickling			
	NSPS		
	Maximum for any 1 day	Average of daily values for 30 con- secutive days	
Pollutant or	kg/kkg (pounds per 1,000 pounds) of		
pollutant property	product		
TSS	0.0175	0.00751	
O&G(1)	0.00751	0.00250	
Chromium	0.000250	0.000100	
Nickel	0.000225	0.0000751	

Table 125

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(1) The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters. (2)Within the range of 6.0 to 9.0

(2)

(2)

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Table 126
Pipe, Tube, and Other Products Combination Acid Pickling
NSPS

	1010		
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or pollutant	kg/kkg (pounds per 1,000 pounds) of		
property	product		
TSS	0.0292	0.0125	
O&G(1)	0.0125	0.00418	
Chromium	0.000418	0.000167	
Nickel	0.000376	0.000125	
pН	(2)	(2)	

(1) The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

(2) Within the range of 6.0 to 9.0

	Table 127
	Combination Acid Pickling Fume Scrubbers
_	NODO

	NSPS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant		
property	kg per day for ea	ach fume scrubber
TSS	5.72	2.45
O&G(1)	2.45	0.819
Chromium	0.0819	0.0327
Nickel	0.0735	0.0245
pН	(2)	(2)

(1) The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

(2) Within the range of 6.0 to 9.0

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.095 Pretreatment standards for existing sources. Except as provided in ss. NR 211.13 and 211.14, any existing source subject to this subchapter which introduces pollutants into a POTW shall comply with ch. NR 211 and achieve the limitations set forth in s. NR 254.093.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.096 Pretreatment standards for new sources. Except as provided in s. NR 211.13, any new source subject to this subchapter which introduces pollutants into a POTW shall comply with ch. NR 211 and achieve the following PSNS:

File inserted into Admin. Code 12-1-2024. May not be current beginning 1 month after insert date. For current adm. code see: http://docs.legis.wisconsin.gov/code/admin_code

DEPARTMENT OF NATURAL RESOURCES

NR 254.096

Rod, Wire, and	Table 128 d Coil Sulfuric Acio PSNS	d Pickling	Strip, Sheet, and I	Table 134 Plate Hydrochloric A PSNS	Acid Pickling
	Maximum for any 1 day	Average of daily values for 30 con- secutive days		Maximum for any 1 day	Average of daily values for 30 con- secutive days
Pollutant or pollutant property		er 1,000 pounds) of oduct	Pollutant or pollutant property	kg/kkg (pounds p	er 1,000 pounds) o oduct
Lead Zinc	0.0000939 0.000125	0.0000313 0.0000417	Lead Zinc	0.0000751 0.000100	0.0000250 0.0000334
Bar, Billet, and	Table 129 Bloom Sulfuric Ac	id Pickling	Pipe, Tube, and Other	Table 135 Products Hydrochle PSNS	oric Acid Pickling
	PSNS			rono	Average of
Pollutant or	Maximum for any 1 day	Average of daily values for 30 con- secutive days er 1,000 pounds) of		Maximum for any 1 day	daily values for 30 consecutive days
pollutant property		oduct	Pollutant or	kg/kkg (pounds p	er 1,000 pounds) o
Lead Zinc	0.0000563 0.0000751	0.0000188 0.0000250	pollutant property Lead Zinc	0.000206 0.000275	0.0000688 0.0000918
Strip, Sheet, an	Table 130 d Plate Sulfuric Ac	id Pickling	Hydrochloric A	Table 136 Acid Pickling Fume	Scrubbers
	PSNS	Average of daily		PSNS	
	Maximum for any 1 day	values for 30 con- secutive days		Maximum for any 1 day	Average of daily values for 30 con secutive days
Pollutant or pollutant property		er 1,000 pounds) of oduct	Pollutant or pollutant property	kg per day for ea	ach fume scrubber
Lead Zinc	0.0000751 0.000100	0.0000250 0.0000334	Lead Zinc	0.0368 0.0491	0.0123 0.0164
Table 131 Pipe, Tube, and Other Products Sulfuric Acid Pickling		Table 137 Rod, Wire, and Coil Combination Acid Pickling PSNS			
	PSNS	Average of daily		Maximum for	Average of daily values for 30 con-
	Maximum for any 1 day	values for 30 con- secutive days	Dollutant or	any 1 day	secutive days
Pollutant or pollutant property	pro	er 1,000 pounds) of oduct	Pollutant or pollutant property	pro	er 1,000 pounds) of oduct
Lead Zinc	0.000131 0.000175	0.0000438 0.0000584	Chromium Nickel	0.000292 0.000263	0.000117 0.0000876
Table 132 Sulfuric Acid Pickling Fume Scrubbers		Table 138 Bar, Billet, and Bloom Combination Acid Pickling PSNS			
	PSNS Maximum for	Average of daily values for 30 con-		Maximum for any 1 day	Average of daily values for 30 con- secutive days
Pollutant or pollutant property	any 1 day kg per day for ea	secutive days ach fume scrubber	Pollutant or pollutant property	pro	er 1,000 pounds) of oduct
Lead Zinc	0.0368 0.0491	0.0123 0.0164	Chromium Nickel	0.000167 0.000150	0.0000667 0.0000501
Rod, Wire, and C	Table 133 Coil Hydrochloric A PSNS	cid Pickling	Strip, Sheet, and	Table 139 Plate Continuous O Acid Pickling PSNS	Combination
	Maximum for any 1 day	Average of daily values for 30 con- secutive days		Maximum for any 1 day	Average of daily values for 30 con- secutive days
Pollutant or pollutant property	kg/kkg (pounds p	er 1,000 pounds) of oduct	Pollutant or pollutant property	kg/kkg (pounds p pro	er 1,000 pounds) of oduct
Lead Zinc	0.000113 0.000150	0.0000376 0.0000501	Chromium Nickel	0.000710 0.000638	0.000284 0.000213

WISCONSIN ADMINISTRATIVE CODE

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Table 140 Strip, Sheet, and Plate Batch Combination Acid Pickling			
	PSNS		
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or		er 1,000 pounds) of	
pollutant property		oduct	
Chromium	0.000250	0.000100	
Nickel	0.000225	0.0000751	
ivienei	0.000225	0.0000751	
	Table 141		
Pipe, Tube, and Other	Products Combinat	ion Acid Pickling	
	PSNS		
	1 51 (5	Average of daily	
	Maximum for		
	any 1 day	secutive days	
Pollutant or	kg/kkg (pounds n	er 1,000 pounds) of	
pollutant property Chromium	product 0.000418 0.000167		
• •	0.000.20		
Nickel	0.000376	0.000125	
	Table 142		
Combination A		Comphhana	
	cid Pickling Fume	Scrubbers	
	PSNS		
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or pollutant	kg per day for each fume scrubber		
property			
Chromium	0.0819	0.0327	
Nickel	0.0735	0.0245	
History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.			

NR 254.097 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve the following effluent limitations representing the degree of effluent re-duction attainable by application of BCT:

• • • •				
	Table 143			
Rod, Wire, an	Rod, Wire, and Coil Sulfuric Acid Pickling			
BCT	Effluent Limitation	IS		
		Average of daily		
	Maximum for	values for 30 con-		
	any 1 day	secutive days		
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of		
pollutant property	pro	oduct		
TSS	0.0819	0.0350		
O&G(1)	0.0350	0.0117		
pH	(2)	(2)		
(1) The limitation for $\Omega\&G$	is applicable when acid	nickling wastewaters are		

 The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters. (2) Within the range of 6.0 to 9.0

e e		
	Table 144	
Bar, Billet, and	l Bloom Sulfuric Ac	id Pickling
BCT	Effluent Limitation	IS
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property	pro	oduct
TSS	0.0263	0.0113
O&G(1)	0.0113	0.00376
pН	(2)	(2)

(1) The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

(2) Within the range of 6.0 to 9.0

Table 145			
Strip, Sheet, and Plate Sulfuric Acid Pickling			
Effluent Limitation	S		
	Average of daily		
Maximum for	values for 30 con-		
any 1 day	secutive days		
kg/kkg (pounds per 1,000 pounds) of			
pro	oduct		
0.0526	0.0225		
0.0225	0.00751		
(2)	(2)		
	1 Plate Sulfuric Ac Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.0526		

Table 145

(1) The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters. (2) Within the range of 6.0 to 9.0

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Pipe, Tube, and Other Products Sulfuric Acid Pickling
BCT Effluent Limitations

		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property	pro	oduct
TSS	0.146	0.0626
O&G(1)	0.0626	0.0209
pH	(2)	(2)

 The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters. (2) Within the range of 6.0 to 9.0

	Table 147		
Sulfuric Acid Pickling Fume Scrubbers			
BCT Effluent Limitations			
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or pollutant	kg per day for each fume scrubber		
property			
TSS	5.72	2.45	
O&G(1)	2.45	0.819	
рН	(2)	(2)	

(1) The limitation for O&G is applicable when acid pickling wastewaters are (2) Within the range of 6.0 to 9.0

	Table 148		
Rod, Wire, and Coil Hydrochloric Acid Pickling			
BCT	Effluent Limitation		
	Maximum for	Average of daily	
	any 1 day	values for 30 con-	
		secutive days	
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of	
pollutant property	pro	oduct	
TSS	0.143	0.0613	
O&G(1)	0.0613	0.0204	
pН	(2)	(2)	

(1) The limitation for O&G is applicable when acid pickling wastewaters are (1) The initiation for occo is appreaded treated with cold rolling wastewaters.(2) Within the range of 6.0 to 9.0

NR 254.097

Table 149	
Plate Hydrochloric	Acid Pickling
Effluent Limitation	
	Average of daily
	values for 30 con-
any I day	secutive days
	oduct
	0.0350
	0.0117
	(2)
	pickning wastewaters are
Table 150	
	oric Acid Pickling
Effluent Limitation	s
Ennuent Ennution	Average of daily
Maximum for	
	secutive days
kg/kkg (pounds p	er 1,000 pounds) of
	oduct
0.298	0.128
0.128	0.0426
(2)	(2)
	pickling wastewaters are
9.0	
Table 151	
Effluent Limitation	
	Average of daily
	values for 30 con-
any I day	secutive days
kg per day for ea	ach fume scrubber
5 70	
5.72	2.45
5.72 2.45	2.45 0.819
2.45 (2) is applicable when acid	0.819 (2)
2.45 (2) is applicable when acid wastewaters.	0.819 (2)
2.45 (2) is applicable when acid wastewaters. 9.0	0.819 (2)
2.45 (2) is applicable when acid wastewaters. 9.0 Table 152	0.819 (2) pickling wastewaters are
2.45 (2) is applicable when acid wastewaters. 9.0 Table 152 Vent Scrubber Wast	0.819 (2) pickling wastewaters are
2.45 (2) is applicable when acid wastewaters. 9.0 Table 152 Vent Scrubber Wast ochloric Acid Reger	0.819 (2) pickling wastewaters are ewater heration
2.45 (2) is applicable when acid wastewaters. 9.0 Table 152 Vent Scrubber Wast	0.819 (2) pickling wastewaters are ewater heration s
2.45 (2) is applicable when acid wastewaters. 9.0 Table 152 Vent Scrubber Wast ischloric Acid Reger Effluent Limitation	0.819 (2) pickling wastewaters are ewater heration <u>s</u> Average of daily
2.45 (2) is applicable when acid wastewaters. 9.0 Table 152 Vent Scrubber Wast ichloric Acid Reger Effluent Limitation Maximum for	0.819 (2) pickling wastewaters are ewater heration <u>s</u> Average of daily values for 30 con-
2.45 (2) is applicable when acid wastewaters. 9.0 Table 152 Vent Scrubber Wast ischloric Acid Reger Effluent Limitation	0.819 (2) pickling wastewaters are ewater heration <u>s</u> Average of daily
2.45 (2) is applicable when acid wastewaters. 9.0 Table 152 Vent Scrubber Wast ichloric Acid Reger Effluent Limitation Maximum for any 1 day	0.819 (2) pickling wastewaters are ewater heration <u>s</u> Average of daily values for 30 con- secutive days
2.45 (2) is applicable when acid wastewaters. 9.0 Table 152 Vent Scrubber Wast ichloric Acid Reger Effluent Limitation Maximum for any 1 day kg per day for ea	0.819 (2) pickling wastewaters are ewater heration <u>s</u> Average of daily values for 30 con- secutive days ach fume scrubber
2.45 (2) is applicable when acid wastewaters. 9.0 Table 152 Vent Scrubber Wast ischloric Acid Reger Effluent Limitation Maximum for any 1 day kg per day for ea 38.2	0.819 (2) pickling wastewaters are ewater heration <u>s</u> Average of daily values for 30 con- secutive days ach fume scrubber 16.3
2.45 (2) is applicable when acid wastewaters. 9.0 Table 152 Vent Scrubber Wast ischloric Acid Reger Effluent Limitation Maximum for any 1 day kg per day for ea 38.2 16.3	0.819 (2) pickling wastewaters are ewater heration <u>s</u> Average of daily values for 30 con- secutive days ach fume scrubber 16.3 5.45
2.45 (2) is applicable when acid wastewaters. 9.0 Table 152 Vent Scrubber Wast chloric Acid Reger Effluent Limitation Maximum for any 1 day kg per day for ex 38.2 16.3 (2)	0.819 (2) pickling wastewaters are ewater teration s Average of daily values for 30 con- secutive days ach fume scrubber 16.3 5.45 (2)
2.45 (2) is applicable when acid wastewaters. 9.0 Table 152 Vent Scrubber Wast chloric Acid Reger Effluent Limitation Maximum for any 1 day kg per day for ex 38.2 16.3 (2)	0.819 (2) pickling wastewaters are ewater heration <u>s</u> Average of daily values for 30 con- secutive days ach fume scrubber 16.3 5.45
	Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.0819 0.0350 (2) is applicable when acid wastewaters. 9.0 Table 150 Products Hydrochle Effluent Limitation Maximum for any 1 day kg/kkg (pounds p pro 0.298 0.128 (2) is applicable when acid wastewaters. 9.0

	Table 152	
Pod Wire and	Table 153 Coil Combination A	aid Dickling
	Effluent Limitation	
DC1		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or		er 1,000 pounds) of
pollutant property		oduct
TSS	0.149	0.0638
O&G(1)	0.0638	0.0213
pH	(2)	(2)
(1) The limitation for O&G		
treated with cold rolling (2) Within the range of 6.0 to		
	Table 154	
Bar, Billet, and B	loom Combination	Acid Pickling
	Effluent Limitation	
		Average of daily
	Maximum for	
	any 1 day	secutive days
Pollutant or		er 1,000 pounds) of
pollutant property	pro	oduct
TSS	0.0672	0.0288
O&G(1)	0.0288	0.00960
pH	(2)	(2)
(1) The limitation for O&G		pickling wastewaters are
treated with cold rolling (2) Within the range of 6.0 to		
(2) within the range of 0.0 to		
	Table 155	
Strip, Sheet, and	Plate Continuous C	Combination
DOT	Acid Pickling	
BCI	Effluent Limitation	
	M	Average of daily
	Maximum for	values for 30 con-
Dollutant or pollutant	any 1 day	secutive days
Pollutant or pollutant		er 1,000 pounds) of
	^	0.188
	0.438	0.0626
O&G(1)	0.188 (2)	
<u>pH</u> (1) The limitation for O&G		(2)
treated with cold rolling		picking wastewaters are
(2) Within the range of 6.0 to		
	Table 156	
Strip, Sheet, and Plat		on Acid Pickling
	Effluent Limitation	
	Ennuent Ennuation	Average of
		daily values for
	Maximum for	30 consecutive
	any 1 day	days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property		oduct
TSS	0.134	0.0576
O&G(1)	0.0576	0.0192
pH	(2)	(2)
(1) The limitation for O&G		
treated with cold rolling		
(2) Within the range of 6.0 to	1911	

(2) Within the range of 6.0 to 9.0

WISCONSIN ADMINISTRATIVE CODE

Pipe, Tube, and Other	Table 157 Products Combinat	tion Acid Pickling
BCT Effluent Limitations		
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property	pro	oduct
TSS	0.225	0.00964
O&G(1)	0.0964	0.0321
pH	(2)	(2)

 The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.
 Within the range of 6.0 to 9.0

w iumi	une 12	inge o	1 0.0	ю	9.0	

Table 158
Combination Acid Pickling Fume Scrubbers
BCT Effluent Limitations

		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg per day for ea	ach fume scrubber
property		
TSS	5.72	2.45
O&G(1)	2.45	0.819
nH	(2)	(2)

 The limitation for O&G is applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

(2) Within the range of 6.0 to 9.0 **History:** Cr. Register, May, 1989, No. 401, eff. 6-1-89.

Subchapter X — Cold Forming Subcategory

NR 254.10 Applicability; description of the cold forming subcategory. (1) This subchapter applies to the discharge of pollutants to waters of the state and the introduction of pollutants into POTWs from cold rolling and cold working pipe and tube operations in which unheated steel is passed through rolls or otherwise processed to reduce its thickness, to produce a smooth surface, or to develop controlled mechanical properties in the steel.

(2) The limitations and standards set forth in ss. NR 254.102 to 254.107 for cold worked pipe and tube operations shall be applicable only when cold worked pipe and tube wastewaters are discharged at steel plant sites. No limitations are applicable or allowable when these wastewaters are hauled off-site for disposal or are otherwise not discharged at steel plant sites. The limitations and standards set forth in ss. NR 254.102 to 254.107 for cold worked pipe and tube operations shall be applicable only to the blowdown of soluble oil or water solutions used in cold worked pipe and tube forming operations. Limitations for other wastewater sources from these operations shall be established on a site specific basis.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.101 Specialized definitions. The following definitions are applicable to the terms used in this subchapter:

(1) "Cold worked pipe and tube" means cold forming operations which process unheated pipe and tube products using either water or oil solutions for cooling and lubrication.

(2) "Combination" means cold rolling operations which include recirculation of rolling solutions at one or more mill stands and once through use of rolling solutions at the remaining mill stands.

(3) "Direct application" means cold rolling operations which include once through use of rolling solutions at mill stands.

(4) "Multiple stand" means recirculation or direct application cold rolling mills which include more than one stand of work rolls.

(5) "Recirculation" means cold rolling operations which include recirculation of rolling solutions at all mill stands.

(6) "Single stand" means recirculation or direct application cold rolling mills which include only one stand of work rolls. **History:** Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.102 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve the following effluent limitations representing the degree of effluent reduction attainable by application of BPT:

Table 159	
Single Stand Recirculation Cold Rolling Mills	
BPT Effluent Limitations	

DIII		3
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property	pro	oduct
TSS	0.00125	0.000626
O&G	0.000522	0.000209
Chromium(1)	0.0000209	0.0000084
Lead	0.0000094	0.0000031
Nickel(1)	0.0000188	0.0000063
Zinc	0.0000063	0.0000021
Naphthalene	0.0000021	
Tetrachloroethylene	0.0000031	
pН	(2)	(2)
	. `´	

(1) The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

(2) Within the range of 6.0 to 9.0

Table 160
Multiple Stand Recirculation Cold Rolling Mills
BPT Effluent Limitations

DI I Efficient Efficients				
		Average of daily		
	Maximum for	values for 30 con-		
	any 1 day	secutive days		
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of		
pollutant property	product			
TSS	0.00626	0.00313		
O&G	0.00261	0.00104		
Chromium(1)	0.000104	0.0000418		
Lead	0.0000469	0.0000156		
Nickel(1)	0.0000939	0.0000313		
Zinc	0.0000313	0.0000104		
Naphthalene	0.0000104			
Tetrachloroethylene	0.0000156			
рН	(2)	(2)		

(1) The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

(2) Within the range of 6.0 to 9.0

NR 254.103

	Table 161			
Combination Cold Rolling Mills				
BPT	Effluent Limitation	S		
		Average of daily		
	Maximum for	values for 30 con-		
	any 1 day	secutive days		
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of		
pollutant property	product			
TSS	0.0751	0.0376		
O&G	0.0313	0.0125		
Chromium(1)	0.00125	0.000501		
Lead	0.000563	0.000188		
Nickel(1)	0.00113	0.000376		
Zinc	0.000376	0.000125		
Naphthalene	0.000125			
Tetrachloroethylene	0.000188			
pH	(2)	(2)		

(1) The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

(2) Within the range of 6.0 to 9.0

Table 162
Single Stand Direct Application Cold Rolling Mills
BPT Effluent Limitations

		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or	kg/kkg (pounds p	per 1,000 pounds) of	
pollutant property	pr	product	
TSS	0.0225	0.0113	
O&G	0.00939	0.00376	
Chromium(1)	0.000376	0.000150	
Lead	0.000169	0.0000563	
Nickel(1)	0.000338	0.000113	
Zinc	0.000113	0.0000376	
Naphthalene	0.0000376		
Tetrachloroethylene	0.0000563		
pH	(2)	(2)	

(1) The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

(2) Within the range of 6.0 to 9.0

Table 163
Multiple Stand Direct Application Cold Rolling Mills
BPT Effluent Limitations

BFT EITIdent Limitations			
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or	kg/kkg (pounds per 1,000 pounds) of		
pollutant property	product		
TSS	0.100	0.0501	
O&G	0.0417	0.0167	
Chromium(1)	0.00167	0.000668	
Lead	0.000751	0.000250	
Nickel(1)	0.00150	0.000501	
Zinc	0.000501	0.000167	
Naphthalene	0.000167		
Tetrachloroethylene	0.000250		
pН	(2)	(2)	

(1) The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

(2) Within the range of 6.0 to 9.0

Cold Worked Pipe and Tube Using Water				
BPT Effluent Limitations				
		Average of daily		
	Maximum for	values for 30 con-		
	any 1 day	secutive days		
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of		
pollutant property	product			
TSS	0.00125	0.000626		
O&G	0.000522	0.000209		
Chromium(1)	0.0000209	0.0000084		
Lead	0.0000094	0.0000031		
Nickel(1)	0.0000188	0.0000063		
Zinc	0.0000063	0.0000021		
pH	(2)	(2)		

Table 164

 The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.
 Within the range of 6.0 to 9.0

Table 165
Cold Worked Pipe and Tube Using Oil Solutions
DDT Effluent Limitations

BPT	Effluent Limitation	S	
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of	
pollutant property	product		
TSS	0.00125	0.000626	
O&G	0.000522	0.000209	
Chromium(1)	0.0000209	0.0000084	
Lead	0.0000094	0.0000031	
Nickel(1)	0.0000188	0.0000063	
Zinc	0.0000063	0.0000021	
Naphthalene	0.0000021		
Tetrachloroethylene	0.0000031		
pН	(2)	(2)	
(1) The limitations for chromium and nickel are applicable in lieu of those for			

 The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.
 Within the range of 6.0 to 9.0

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.103 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve the following effluent limitations representing the degree of effluent reduction attainable by application of BAT:

Single Stand Re	Table 166 circulation Cold Ro	olling Mills
BAT	Effluent Limitation	s
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property	product	
Chromium(1)	0.0000209	0.0000084
Lead	0.0000094	0.0000031
Nickel(1)	0.0000188	0.0000063
Zinc	0.0000063	0.0000021
Naphthalene	0.0000021	
Tetrachloroethylene	0.0000031	

(1) The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

WISCONSIN ADMINISTRATIVE CODE

	Table 167			
Multiple Stand Recirculation Cold Rolling Mills				
BAT	BAT Effluent Limitations			
		Average of daily		
	Maximum for	values for 30 con-		
	any 1 day	secutive days		
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of		
pollutant property	product			
Chromium(1)	0.000104	0.0000418		
Lead	0.0000469	0.0000156		
Nickel(1)	0.0000939	0.0000313		
Zinc	0.0000313	0.0000104		
Naphthalene	0.0000104			
Tetrachloroethylene	0.0000156			

 The limitations for chronium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

Table 168	
Combination Cold Rolling Mills	
BAT Effluent Limitations	

		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property	pro	oduct
Chromium(1)	0.00125	0.000501
Lead	0.000563	0.000188
Nickel(1)	0.00113	0.000376
Zinc	0.000376	0.000125
Naphthalene	0.000125	
Tetrachloroethylene	0.000188	

(1) The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

	Table 169	
Single Stand Dire	ct Application Cold	Rolling Mills
BAT	Effluent Limitation	IS
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property	pro	oduct
Chromium(1)	0.000376	0.000150
Lead	0.000169	0.0000563
Nickel(1)	0.000338	0.000113
Zinc	0.000113	0.0000376
Naphthalene	0.0000376	

 Tetrachloroethylene
 0.0000563

 (1) The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

	Table 170		
Multiple Stand Direct Application Cold Rolling Mills			
	BAT Effluent Limitations		
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of	
pollutant property		oduct	
Chromium(1)	0.00167	0.000668	
Lead	0.000751	0.000250	
Nickel(1)	0.00150	0.000501	
Zinc	0.000501	0.000167	
Naphthalene	0.000167		
Tetrachloroethylene	0.000250		

(1) The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

Table 1/1			
Cold Worked Pipe and Tube Using Water			
BAT Effluent Limitations			
Average of daily			
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of	
pollutant property	product		
Chromium(1)	0.0000209	0.0000084	
Lead	0.0000094	0.0000031	
Nickel(1)	0.0000188	0.0000063	
Zinc	0.0000063	0.0000021	

Table 171

(1) The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

Table	172	

Cold Worked Pipe and T	ube Using Oil Solutions
BAT Effluent	Limitations

	Maximum for	Average of daily
	any 1 day	values for 30 con-
		secutive days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property	pro	duct
Chromium(1)	0.0000209	0.0000084
Lead	0.0000094	0.0000031
Nickel(1)	0.0000188	0.0000063
Zinc	0.0000063	0.0000021
Naphthalene	0.0000021	
Tetrachloroethylene	0.0000031	

(1) The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.104 New source performance standards. The discharge of wastewater pollutants from any new source subject to this subchapter may not exceed the following standards:

Table 173			
Single Stand Recirculation Cold Rolling Mills			
	NSPS		
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of	
pollutant property	pro	oduct	
TSS	0.00125	0.000626	
O&G	0.000522	0.000209	
Chromium(1)	0.0000209	0.0000084	
Lead	0.0000094	0.0000031	
Nickel(1)	0.0000188	0.0000063	
Zinc	0.0000063	0.0000021	
Naphthalene	0.0000021		
Tetrachloroethylene	0.0000031		
pH (1) The limitations for abrow	(2)	(2)	

 The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.
 Within the range of 6.0 to 9.0

NR 254.105

Table 174 Multiple Stand Designation Cold Polling Mills			
	Multiple Stand Recirculation Cold Rolling Mills NSPS		
	1.01.0	Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of	
pollutant property	product		
TSS	0.00250	0.00125	
O&G	0.00104	0.000417	
Chromium(1)	0.0000418	0.0000167	
Lead	0.0000188	0.0000063	
Nickel(1)	0.0000376	0.0000125	
Zinc	0.0000125	0.0000042	
Naphthalene	0.0000042		
Tetrachloroethylene	0.0000063		
pH	(2)	(2)	

(1) The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

(2) Within the range of 6.0 to 9.0

29

Table 175 Combination Cold Rolling Mills NSPS

	1451.5	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pounds p	per 1,000 pounds) of
pollutant property	pr	oduct
TSS	0.0326	0.0163
O&G	0.0136	0.00543
Chromium(1)	0.000543	0.000217
Lead	0.000244	0.0000814
Nickel(1)	0.000488	0.000163
Zinc	0.000163	0.0000542
Naphthalene	0.0000542	
Tetrachloroethylene	0.0000813	
pH	(2)	(2)

(1) The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

(2) Within the range of 6.0 to 9.0

Table 176			
Single Stand Direct Application Cold Rolling Mills			
	NSPS		
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of	
pollutant property	pro	oduct	
TSS	0.00626	0.00313	
O&G	0.00261	0.00104	
Chromium(1)	0.000104	0.0000418	
Lead	0.0000469	0.0000156	
Nickel(1)	0.0000939	0.0000313	
Zinc	0.0000313	0.0000104	
Naphthalene	0.0000104		
Tetrachloroethylene	0.0000156		
pH 2	(2)	(2)	

(1) The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

(2) Within the range of 6.0 to 9.0

Table 177 Multiple Stand Direct Application Cold Rolling Mills

multiple Stand Direct reprication Cold Roning Minis		
	NSPS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property		oduct
TSS	0.0726	0.0363
O&G	0.0302	0.0121
Chromium(1)	0.00121	0.000484
Lead	0.000545	0.000182
Nickel(1)	0.00109	0.000363
Zinc	0.000363	0.000121
Naphthalene	0.000121	
Tetrachloroethylene	0.000182	
рН	(2)	(2)

(1) The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

(2) Within the range of 6.0 to 9.0

Table 178
Cold Worked Pipe and Tube Using Water
NCDC

	NSPS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property	pro	oduct
TSS	0.00125	0.000626
O&G	0.000522	0.000209
Chromium(1)	0.0000209	0.0000084
Lead	0.0000094	0.0000031
Nickel(1)	0.0000188	0.0000063
Zinc	0.0000063	0.0000021
pН	(2)	(2)
	(2)	

 The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.
 Within the range of 6.0 to 9.0

Table	170
Table	1/2

Cold Worked Pipe and Tube Using Oil Solutions
NSPS

	NSP5	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property	pro	oduct
TSS	0.00125	0.000626
O&G	0.000522	0.000209
Chromium(1)	0.0000209	0.0000084
Lead	0.0000094	0.0000031
Nickel(1)	0.0000188	0.0000063
Zinc	0.0000063	0.0000021
Naphthalene	0.0000021	
Tetrachloroethylene	0.0000031	
pН	(2)	(2)
(1) The limitations for chromium and nickel are applicable in lieu of those for		

 The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.
 Within the range of 6.0 to 9.0

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.105 Pretreatment standards for existing sources. Except as provided in ss. NR 211.13 and 211.14, any existing source subject to this subchapter which introduces pollutants into a POTW shall comply with ch. NR 211 and achieve the limitations set forth in s. NR 254.103.

WISCONSIN ADMINISTRATIVE CODE

NR 254.106 Pretreatment standards for new sources. Except as provided in s. NR 211.13, any new source subject to this subchapter which introduces pollutants into a POTW shall comply with ch. NR 211 and achieve the following PSNS:

	Table 180	
Single Stand Recirculation Cold Rolling Mills		
	PSNS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property	pro	oduct
Chromium(1)	0.0000209	0.0000084
Lead	0.0000094	0.0000031
Nickel(1)	0.0000188	0.0000063
Zinc	0.0000063	0.0000021
Naphthalene	0.0000021	
Tetrachloroethylene	0.0000031	
(1) The limitations for chromium and nickel are applicable in lieu of those for		

(1) The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

Table 181	
Multiple Stand Recirculation Cold Rolling Mills	

Multiple Stand Reenediation Cold Ronnig Minis		
PSNS		
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property	product	
Chromium(1)	0.0000418	0.0000167
Lead	0.0000188	0.0000063
Nickel(1)	0.0000376	0.0000125
Zinc	0.0000125	0.0000042
Naphthalene	0.0000042	
Tetrachloroethylene	0.0000063	

(1) The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

Table	182

Tuble 102				
Combination Cold Rolling Mills				
PSNS				
		Average of daily		
	Maximum for	values for 30 con-		
	any 1 day	secutive days		
Pollutant or	kg/kkg (pounds j	per 1,000 pounds) of		
pollutant property	pr	oduct		
Chromium(1)	0.000543	0.000217		
Lead	0.000244	0.0000814		
Nickel(1)	0.000488	0.000163		
Zinc	0.000163	0.0000542		
Naphthalene	0.0000542			
Tetrachloroethylene	0.0000813			

(1) The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

Table 183 Single Stand Direct Application Cold Rolling Mills		
	PSNS	
	Maximum for any 1 day	Average of daily values for 30 con- secutive days
Pollutant or	<u> </u>	er 1,000 pounds) of
pollutant property		oduct
Chromium(1)	0.000104	0.0000418
Lead	0.0000469	0.0000156
Nickel(1)	0.0000939	0.0000313
Zinc	0.0000313	0.0000104
Naphthalene	0.0000104	
Tetrachloroethylene	0.0000156	

(1) The limitations for chromium and nickel are applicable in lieu of those for

lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

	Table 184	
Multiple Stand Direct Application Cold Rolling Mills		
	PSNS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property	pro	oduct
Chromium(1)	0.00121	0.000484
Lead	0.000545	0.000182
Nickel(1)	0.00109	0.000363
Zinc	0.000363	0.000121
Naphthalene	0.000121	
Tetrachloroethylene	0.000182	

(1) The limitations for chromium and nickel are applicable in lieu of those for

lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

Table 185 Cold Worked Pipe and Tube Using Water

	PSNS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property	pro	oduct
Chromium(1)	0.0000209	0.0000084
Lead	0.0000094	0.0000031
Nickel(1)	0.0000188	0.0000063
Zinc	0.0000063	0.0000021

(1) The limitations for chromium and nickel are applicable in lieu of those for

lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

NR 254.111

Cold Worked Pip	Table 186 e and Tube Using (Dil Solutions
r	PSNS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property	product	
Chromium(1)	0.0000209	0.0000084
Lead	0.0000094	0.0000031
Nickel(1)	0.0000188	0.0000063
Zinc	0.0000063	0.0000021
Naphthalene	0.0000021	
Tetrachloroethylene	0.0000031	

(1) The limitations for chromium and nickel are applicable in lieu of those for lead and zinc when cold rolling wastewaters are treated with descaling or combination acid pickling wastewaters.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.107 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve the following effluent limitations representing the degree of effluent reduction attainable by application of BCT:

	Table 187			
Single Stand R	Single Stand Recirculation Cold Rolling Mills			
BCT	Effluent Limitation	S		
		Average of daily		
	Maximum for	values for 30 con-		
	any 1 day	secutive days		
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of		
pollutant property	product			
TSS	0.00125	0.000626		
O&G	0.000522	0.000209		
pH	(1)	(1)		

(1) Within the range of 6.0 to 9.0

Table 188

Table 188	
Multiple Stand Recirculation Cold Rolling Mills	
PCT Effluent Limitations	

DC I	Ennuent Linination	8
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property	pro	oduct
TSS	0.00626	0.00313
O&G	0.00261	0.00104
pН	(1)	(1)

(1) Within the range of 6.0 to 9.0

	Table 189			
Combin	Combination Cold Rolling Mills			
BCT	BCT Effluent Limitations			
		Average of daily		
	Maximum for	values for 30 con-		
	any 1 day	secutive days		
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of		
pollutant property	product			
TSS	0.0751	0.0376		
O&G	0.0313	0.0125		
pН	(1)	(1)		

(1) Within the range of 6.0 to 9.0

	Table 190		
Single Stand Direct Application Cold Rolling Mills			
BCT	Effluent Limitation		
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of	
pollutant property		oduct	
TSS	0.0225	0.0113	
O&G	0.00939	0.00376	
pН	(1)	(1)	
(1) Within the range of 6.0 to	9.0		
	Table 191		
Multiple Stand Dire		d Rolling Mills	
BCT	Effluent Limitation	s s	
	Ennuent Emnution	Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or	kg/kkg (pounds n	er 1,000 pounds) of	
pollutant property		duct	
TSS	0.100	0.0501	
0&G	0.0417	0.0167	
pH	(1)	(1)	
(1) Within the range of 6.0 to		(1)	
(1) whill the funge of 0.0 to			
Cald We dead	Table 192		
	Pipe and Tube Usin Effluent Limitation	ng water	
BCI	Effluent Limitation		
	M · C	Average of daily	
	Maximum for		
	any I day	secutive days er 1,000 pounds) of	
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of	
pollutant property		oduct	
TSS	0.00125	0.000626	
0&G	0.000522	0.000209	
pH	(1)	(1)	
(1) Within the range of 6.0 to	9.0		
	Table 193		
Cold Worked Pip	e and Tube Using C	Dil Solutions	
BCT	Effluent Limitation	S	
		Average of daily	
		Average of daily	
	Maximum for	values for 30 con-	
	anv 1 dav	values for 30 con- secutive days	
Pollutant or	anv 1 dav	values for 30 con- secutive days	
Pollutant or pollutant property	any 1 day kg/kkg (pounds p pro	values for 30 con-	
	any 1 day kg/kkg (pounds p	values for 30 con- secutive days er 1,000 pounds) of	
pollutant property	any 1 day kg/kkg (pounds p pro	values for 30 con- secutive days er 1,000 pounds) of oduct	

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

pН

(1) Within the range of 6.0 to 9.0

Subchapter XI — Alkaline Cleaning Subcategory

NR 254.11 Applicability; description of the alkaline cleaning subcategory. This subchapter applies to the discharge of pollutants to waters of the state and the introduction of pollutants into POTWs from operations in which steel and steel products are immersed in alkaline cleaning baths to remove mineral and animal fats or oils from the steel. The alkaline cleaning subcategory includes rinsing operations which follow such immersions.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.111 Specialized definitions. The following definitions are applicable to the terms used in this subchapter:

(1) "Batch" means alkaline cleaning operations which process steel products such as coiled wire, rods, and tubes in discrete batches or bundles.

(1)

(2) "Continuous" means alkaline cleaning operations other than batch operations.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.112 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve the following effluent limitations representing the degree of effluent reduction attainable by application of BPT:

	Table 194	
Batc	h Alkaline Cleaning	3
BPT Effluent Limitations		
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property	product	
TSS	0.0730	0.0313
O&G	0.0313	0.0104
pН	(1)	(1)
(1) Within the range of 6.0 to		

(1) Within the range of 6.0 to 9.0

	Table 195	
Continu	ous Alkaline Clean	ing
BPT	Effluent Limitation	S
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property	product	
TSS	0.102	0.0438
O&G	0.0438	0.0146
pH	(1)	(1)
	0.0	

(1) Within the range of 6.0 to 9.0

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.113 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable. The effluent limitations representing BAT are identical to the limitations set forth in s. NR 254.112.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.114 New source performance standards. The discharge of wastewater pollutants from any new source subject to this subchapter may not exceed the following standards:

	Table 196	
Batch and Continuous Alkaline Cleaning		
	NSPS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pound	s per 1,000
pollutant property	pounds) of	product
TSS	0.0146	0.00626
O&G	0.00626	0.00209
pH	(1)	(1)
$(1) \mathbf{W}' \mathbf{d} : \mathbf{d} \qquad \mathbf{f} \in \mathbf{O} \times \mathbf{O} \mathbf{O}$		

(1) Within the range of 6.0 to 9.0

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.115 Pretreatment standards for existing sources. Any existing source subject to this subchapter which introduces pollutants into a POTW shall comply with ch. NR 211.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.116 Pretreatment standards for new sources. Any new source subject to this subchapter which introduces pollutants into a POTW shall comply with ch. NR 211. History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.117 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology. The effluent limitations representing BCT are identical to the limitations set forth in s. NR 254.112.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

Subchapter XII — Hot Coating Subcategory

NR 254.12 Applicability; description of the hot coating subcategory. (1) This subchapter applies to the discharge of pollutants to waters of the state and the introduction of pollutants into POTWs from operations in which steel is coated with zinc, terne metal, or other metals by the hot dip process. The hot coating subcategory includes the associated rinsing operations.

(2) For zinc, the BPT limitations set forth in s. NR 254.122 and the BAT limitations set forth in s. NR 254.123 are not applicable to hot coating operations with wastewater treatment facilities achieving, during normal production, zinc discharge levels more stringent than the BPT and BAT limitations. For such operations, the BPT and BAT limitations for zinc shall be determined on a case-by-case basis based upon the existing performance of the wastewater treatment facility. The permitting authority shall evaluate effluent data from the wastewater treatment facility during periods of normal production to establish the case-by-case BPT and BAT limitations. The BPT and BAT limitations specified in ss. NR 254.122 and 254.123 may be used for calculating the total mass limitations for zinc pursuant to s. NR 254.003. **History:** Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.121 Specialized definitions. The following definitions are applicable to the terms used in this subchapter:

(1) "Fume scrubber" means wet air pollution control devices used to remove and clean fumes originating from hot coating operations.

(2) "Galvanizing" means coating steel products with zinc by the hot dip process including the immersion of the steel product in a molten bath of zinc metal, along with the related preceding and subsequent operations.

(3) "Other coatings" means coating steel products with metals other than zinc or terne metal by the hot dip process including the immersion of the steel product in a molten bath of metal, along with the related preceding and subsequent operations.

(4) "Strip, sheet, and miscellaneous products" means steel products other than wire products and fasteners.

(5) "Terne coating" means coating steel products with terne metal by the hot dip process including the immersion of the steel product in a molten bath of lead and tin, along with the related preceding and subsequent operations.

(6) "Wire products and fasteners" means steel wire, products manufactured from steel wire, and steel fasteners manufactured from steel wire or other steel shapes.

NR 254.123

NR 254.122 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology cur-rently available. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of BPT:

Table 197
Strip, Sheet, and Miscellaneous Products
Galvanizing, Terne Coating, and Other Coatings
BPT Effluent Limitations

		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of	
pollutant property	pro	product	
TSS	0.175	0.0751	
O&G	0.0751	0.0250	
Lead	0.00113	0.000376	
Zinc	0.00150	0.000500	
Hexavalent	0.000150	0.0000501	
chromium(1)			
pН	(2)	(2)	
 (1) The limitations for hexavalent chromium apply to galvanizing operations which discharge wastewaters from the chromate rinse step. (2) Within the range of 6.0 to 9.0 			
Table 198			

Wire 1	Products and Fastene	ers
Galvani	zing and Other Coat	ings
BPT	Effluent Limitation	S
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or kg/kkg (pounds per 1,000 pounds) of		
pollutant property	product	
TSS	0.701	0.300
O&G	0.300	0.100
Lead	0.00451	0.00150
Zinc	0.00601	0.00200
Hexavalent chromium(1)	0.000600	0.000200
nH	(2)	(2)

(1) The limitations for hexavalent chromium apply to galvanizing operations (2) The initiations for nexavarent chromium apply to galvan which discharge wastewaters from the chromate rinse step.(2) Within the range of 6.0 to 9.0

	Table 199	
F	ume Scrubbers	
BPT E	Effluent Limitation	S
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg per day f	for each fume
pollutant property	scru	ıbber
TSS	38.1	16.3

TSS O&G 16.3 5.45 Lead 0.245 0.0819 0.327 0.109 Zinc 0.0109 Hexavalent 0.0327 chromium(1) pН (2)(2)(1) The limitations for hexavalent chromium apply to galvanizing operations

which discharge wastewaters from the chromate rinse step. (2) Within the range of 6.0 to 9.0

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.123 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of BAT:

Table 200
Strip, Sheet, and Miscellaneous Products
Galvanizing, Terne Coating, and Other Coatings
BAT Effluent Limitations

BAT	Effluent Limitation	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property		oduct
Lead	0.00113	0.000376
Zinc	0.00150	0.000500
Hexavalent	0.000150	0.0000501
chromium(1)		
(1) The limitations for hexa	valent chromium apply	to galvanizing operations
which discharge wastewa	aters from the chromate 1	inse step.
	Table 201	
Wire P	roducts and Fastene	ers
Galvaniz	ing and Other Coat	ings
BAT	Effluent Limitation	S
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of
pollutant property	pro	oduct
Lead	0.00451	0.00150
Zinc	0.00601	0.00200
Hexavalent	0.000601	0.000200
chromium(1)		
(1) The limitations for hexa		
which discharge wastewa	aters from the chromate i	inse step.
	Table 202	
I	Fume Scrubbers	
BAT	Effluent Limitation	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg per day	for each fume
property	scr	ubber
Lead	0.0368	0.0123
Zinc	0.0491	0.0164
Hexavalent	0.00490	0.00163
chromium(1)		
pН	(2)	(2)
(1) The limitations for have	valent chromium apply	to galvanizing operations

(1) The limitations for hexavalent chromium apply to galvanizing operations which discharge wastewaters from the chromate rinse step.

(2) Within the range of 6.0 to 9.0 History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

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NR 254.124 New source performance standards. The discharge of wastewater pollutants from any new source subject to this subchapter may not exceed the following standards:

Table 203			
Strip, Sheet, and Miscellaneous Products			
Galvanizing, Terne Coating, and Other Coatings			

<i>U</i> ,	U,	ě	
	NSPS		
	Maximum for any 1 day	Average of daily values for 30 con- secutive days	
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of	
pollutant property		product	
TSS	0.0438	0.0188	
O&G	0.0188	0.00626	
Lead	0.000282	0.0000939	
Zinc	0.000376	0.000125	
Hexavalent	0.0000376	0.0000125	
chromium(1)			
pН	(2)	(2)	
 The limitations for hexa which discharge wastew 	aters from the chromate r		
 The limitations for hexa which discharge wastew Within the range of 6.0 to 	aters from the chromate r	inse step.	
 The limitations for hexa which discharge wastew Within the range of 6.0 to Wire F 	aters from the chromate r 9.0 Table 204	inse step.	
 The limitations for hexa which discharge wastew Within the range of 6.0 to Wire F 	aters from the chromate r 9.0 Table 204 Products and Fastene	inse step.	
 The limitations for hexa which discharge wastew Within the range of 6.0 to Wire F 	aters from the chromate r 9.0 Table 204 Products and Fastene zing and Other Coat NSPS	inse step. ers ings Average of daily	
 The limitations for hexa which discharge wastew Within the range of 6.0 to Wire F 	aters from the chromate r 9.0 Table 204 Products and Fastene zing and Other Coat NSPS Maximum for	inse step. ers ings Average of daily values for 30 con-	
 The limitations for hexa which discharge wastew Within the range of 6.0 to Wire F Galvaniz 	aters from the chromate r 9.0 Table 204 Products and Fastene <u>zing and Other Coat</u> <u>NSPS</u> Maximum for any 1 day	inse step. ers ings Average of daily values for 30 con- secutive days	
(1) The limitations for hexa which discharge wastew (2) Within the range of 6.0 to Wire F Galvaniz	aters from the chromate r 9.0 Table 204 Products and Fastene zing and Other Coat NSPS Maximum for any 1 day kg/kkg (pounds p	Average of daily values for 30 con secutive days er 1,000 pounds) of	
(1) The limitations for hexa which discharge wastew (2) Within the range of 6.0 to Wire F Galvaniz Pollutant or pollutant property	aters from the chromate r 9.0 Table 204 Products and Fastene zing and Other Coat NSPS Maximum for any 1 day kg/kkg (pounds p	Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct	
(1) The limitations for hexa which discharge wastew (2) Within the range of 6.0 to Wire F Galvaniz Pollutant or pollutant property TSS	aters from the chromate r 9.0 Table 204 Products and Fastene zing and Other Coat NSPS Maximum for any 1 day kg/kkg (pounds p 0.175	Average of daily values for 30 con- secutive days er 1,000 pounds) of oduct 0.0751	
(1) The limitations for hexa which discharge wastew (2) Within the range of 6.0 to Wire F Galvaniz Pollutant or pollutant property TSS O&G	aters from the chromate r 9.0 Table 204 Products and Fastene ing and Other Coat NSPS Maximum for any 1 day kg/kkg (pounds p 0.175 0.0751	Average of daily values for 30 con- secutive days er 1,000 pounds) or oduct 0.0751 0.0250	
(1) The limitations for hexa which discharge wastew (2) Within the range of 6.0 to Wire F Galvaniz Pollutant or pollutant property TSS O&G Lead	aters from the chromate r 9.0 Table 204 Products and Fastene ing and Other Coat NSPS Maximum for any 1 day kg/kkg (pounds p 0.175 0.0751 0.00113	Average of daily values for 30 con- secutive days er 1,000 pounds) or oduct 0.0751 0.0250 0.000376	
(1) The limitations for hexa which discharge wastew (2) Within the range of 6.0 to Wire F Galvaniz Pollutant or pollutant property TSS O&G Lead Zinc	aters from the chromate r 9.0 Table 204 Products and Fastene ing and Other Coat NSPS Maximum for any 1 day kg/kkg (pounds p 0.175 0.0751 0.00113 0.00150	Average of daily values for 30 con- secutive days er 1,000 pounds) of duct 0.0751 0.0250 0.000376 0.000500	
(1) The limitations for hexa which discharge wastew (2) Within the range of 6.0 to Wire F Galvaniz Pollutant or pollutant property TSS O&G Lead Zinc Hexavalent	aters from the chromate r 9.0 Table 204 Products and Fastene ing and Other Coat NSPS Maximum for any 1 day kg/kkg (pounds p 0.175 0.0751 0.00113	Average of daily values for 30 con- secutive days er 1,000 pounds) or oduct 0.0751 0.0250 0.000376	
(1) The limitations for hexa which discharge wastew (2) Within the range of 6.0 to Wire F Galvaniz Pollutant or pollutant property TSS O&G Lead Zinc	aters from the chromate r 9.0 Table 204 Products and Fastene ing and Other Coat NSPS Maximum for any 1 day kg/kkg (pounds p 0.175 0.0751 0.00113 0.00150	Average of daily values for 30 con- secutive days er 1,000 pounds) of duct 0.0751 0.0250 0.000376 0.000500	

which discharge wastewaters from the chromate rinse step (2) Within the range of 6.0 to 9.0 Table 205

	Table 205	
Fu	ume Scrubbers	
	NSPS	
		Average of daily
	Maximum for	values for 30 con-
	any 1 day	secutive days
Pollutant or pollutant	kg per day	for each fume
property	scr	ubber
TSS	5.72	2.45
O&G	2.45	0.819
Lead	0.0368	0.0123
Zinc	0.0491	0.0164
Hexavalent	0.00490	0.00163
chromium(1)		
pН	(2)	(2)
(1) The limitations for hexav	alent chromium apply	to galvanizing operations

 The limitations for hexavalent chromium apply to galvanizing operations which discharge wastewaters from the chromate rinse step.
 Within the range of 6.0 to 9.0

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.125 Pretreatment standards for existing sources. Except as provided in ss. NR 211.13 and 211.14, any existing source subject to this subchapter which introduces pollutants into a POTW shall comply with ch. NR 211 and achieve the standards set forth in s. NR 254.123.

History: Cr. Register, May, 1989, No. 401, eff. 6-1-89.

NR 254.126 Pretreatment standards for new sources. Except as provided in s. NR 211.13, any new source subject to this subchapter which introduces pollutants into a POTW shall comply with ch. NR 211 and achieve the following PSNS:

	Table 206		
Strip, Sheet, and Miscellaneous Products			
Galvanizing, Terr	ne Coating, and Otl	ner Coatings	
	PSNS		
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or		er 1,000 pounds) of	
pollutant property		oduct	
Lead	0.000282	0.0000939	
Zinc	0.000376	0.000125	
Hexavalent	0.0000376	0.0000125	
chromium(1)			
(1) The limitations for hexay			
which discharge wastewa	ters from the chromate r	inse step.	
	Table 207		
Wire P	roducts and Fastene	215	
	ing and Other Coat		
Guivuiliz	PSNS	<u></u>	
	10100	Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of	
pollutant property	pro	oduct	
Lead	0.00113	0.000376	
Zinc	0.00150	0.000500	
Hexavalent	0.000150	0.0000501	
chromium(1)			
(1) The limitations for hexay	valent chromium apply	to galvanizing operations	
 The limitations for hexavalent chromium apply to galvanizing operations which discharge wastewaters from the chromate rinse step. 			
c .	T 11 2 00	•	
-	Table 208		
ŀ	Fume Scrubbers		
	PSNS		
	M	Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or pollutant		for each fume	
property Lead	0.0368	0.0123	
Zinc		0.0125	
Zinc Hexavalent	0.0491 0.00490	0.0164	
	0.00490	0.00105	
chromium(1)			
 The limitations for hexavalent chromium apply to galvanizing operations which discharge wastewaters from the chromate rinse step. 			

(2)Within the range of 6.0 to 9.0

35

DEPARTMENT OF NATURAL RESOURCES

NR 254.127

NR 254.127 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology. Except as provided in 40 CFR 125.30 to 125.32, any existing point source subject to this subchapter shall achieve the following effluent limitations representing the degree of effluent reduction attainable by application of BCT:

	Table 209		
Strip, Sheet,	Strip, Sheet, and Miscellaneous Products		
Galvanizing, Terne Coating, and Other Coatings			
BCT Effluent Limitations			
		Average of daily	
	Maximum for	values for 30 con-	
	any 1 day	secutive days	
Pollutant or	kg/kkg (pounds p	er 1,000 pounds) of	
pollutant property	product		
pollutant property	product		

0.175

0.0751

(1)

0.0751

0.0250

(1)

pH (1) Within the range of 6.0 to 9.0

TSS

O&G

Table 210		
Wire Products and Fasteners		
Galvanizing and Other Coatings		
BCT Effluent Limitations		

	Average of daily
Maximum for	values for 30 con-
any 1 day	secutive days
kg/kkg (pounds p	er 1,000 pounds) of
pro	oduct
0.701	0.300
0.300	0.100
(1)	(1)
	any 1 day kg/kkg (pounds p pro 0.701 0.300

(1) Within the range of 6.0 to 9.0

Table 211 Fume Scrubbers BCT Effluent Limitations Average of daily Maximum for values for 30 consecutive days any 1 day Pollutant or pollutant kg per day for each fume scrubber property TSS 38.1 16.3 O&G 16.3 5.45 pН (1)(1)

(1) Within the range of 6.0 to 9.0 **History:** Cr. Register, May, 1989, No. 401, eff. 6-1-89.

Note: The Wisconsin administrative code corresponds to the code of federal regulations as cross referenced in the following table:

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State Code	Corresponding Federal Regulation
s. NR 205.03	40 CFR 401.11
s. NR 205.04	40 CFR 401.11
ch. NR 211	40 CFR Part 403
s. NR 211.03	40 CFR 403.3
s. NR 211.13	40 CFR 403.7
s. NR 211.14	40 CFR 403.13
s. NR 211.15	40 CFR 403.12
ch. NR 219	40 CFR Part 136
ch. NR 254	40 CFR Part 420