### § 464.34

	Maximum for any 1 day	Maximum for monthly average	Annual aver- age 1
	(mg/l) <sup>2</sup>	(mg/l) <sup>2</sup>	
Copper (T)	0.29	0.16	0.0118
Lead (T)	0.79	0.39	0.04
Zinc (T)	1.47	0.56	0.0728

¹ kg/1,000 kkg (pounds per million pounds) of metal poured. ²These concentrations must be multiplied by the ratio of (21.8/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.

(i) Wet Sand Reclamation Operations. (1) Applicable to plants that are casting primarily ductible or gray iron and to plants that are casting malleable iron where greater than 3,557 tons of metal are poured per year.

**BAT EFFLUENT LIMITATIONS** 

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average	
	kg/1,000 kkg (pounds per mil lion pounds) of sand re claimed		
Copper (T)	0.217	0.12	
Lead (T)	0.396	0.194	
Zinc (T)	0.732 0.276		
Total Phenols	0.642 0.224		

	Maximum for any 1 day	Maximum for monthly average	Annual average 1
Copper (T)	(mg/l) <sup>2</sup> 0.29 0.53 0.98 0.86	(mg/l) <sup>2</sup> 0.16 0.26 0.37 0.3	0.0485 0.112 0.194 0.149

 $<sup>^{1}\</sup>mbox{kg/1000}$  kkg (pounds per million pounds) of sand reclaimed.

(2) Applicable to plants that are casting primarily steel and to plants that are casting primarily malleable iron where equal to or less than 3,557 tons of metal are poured per year.

#### **BAT EFFLUENT LIMITATIONS**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per i lion pounds) of sand claimed	
Copper (T)	0.217	0.12
Lead (T)	. 0.59 0.2	
Zinc (T)	1.1	0.418
Total Phenols	0.642 0.	

#### **PSNS**

	Maximum	Maximum	Annual
	for any 1	for monthly	aver-
	day	average	age 1
Copper (T)	(mg/l) <sup>2</sup> 0.29 0.79 1.47 0.86	(mg/l) <sup>2</sup> 0.16 0.39 0.56 0.3	0.0485 0.164 0.299 0.149

<sup>1</sup> kg/1000 kkg (pounds per million pounds) of sand reclaimed.

[50 FR 45247, Oct. 30, 1985; 51 FR 21761, June 16, 1986]

# § 464.34 New source performance standards.

Any new source subject to this subpart must achieve the following new source performance standards (NSPS), except that non-continuous dischargers shall not be subject to the maximum day and maximum for monthly average mass (kg/1,000 kkg or lb/million lb of metal poured; kg/1,000 kkg or lb/million lb of sand reclaimed; kg/62.3 million Sm³ or lb/billion SCF of air scrubbed) effluent standards for copper, lead, zinc, total phenols, oil and grease, and TSS. For non-continuous dischargers, annual average mass standards and maximum day and maximum for monthly average concentration (mg/l) standards shall apply. Concentration standards and annual average mass standards shall only apply to non-continuous dischargers.

(a) Casting Cleaning Operations. (1) Applicable to plants that are casting primarily ductile or gray iron and to plants that are casting primarily malleable iron where greater than 3,557 tons of metal are poured per year.

 $<sup>^2\, \</sup>text{These}$  concentrations must be multiplied by the ratio of (89.5/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of sand reclaimed) for a specific plant.

<sup>&</sup>lt;sup>2</sup>These concentrations must be multiplied by the ratio of (89.5/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of sand reclaimed) for a specific plant.

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# **NSPS**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average	
	kg/1,000 kkg (pounds per m lion pounds) of met poured		
Copper (T)	0.0129	0.0071	
Lead (T)	0.0237	0.0116	
Zinc (T)	0.0437	0.0165	
Oil and grease	1.34	0.446	
TSS	0.67 0.53		
pH	(1)	(1)	

<sup>&</sup>lt;sup>1</sup> Within the range of 7.0 to 10.0 at all times.

	Maximum	Maximum	Annual
	for any 1	for monthly	aver-
	day	average	age 1
Copper (T) Lead (T) Zinc (T) Oil and grease TTS pH	(mg/l) <sup>2</sup> 0.29 0.53 0.98 30 15 ( <sup>3</sup> )	(mg/l) <sup>2</sup> 0.16 0.26 0.37 10 12 ( <sup>3</sup> )	0.0029 0.0067 0.0116 0.223 0.116 ( <sup>3</sup> )

¹kg/1000 kkg (pounds per million pounds) of metal poured.
²These concentrations must be multiplied by the ratio of (5.33/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.
³Within the range of 7.0 to 10.0 at all times.

(2) Applicable to plants that are casting primarily steel and to plants that are casting primarily malleable iron where equal to or less than 3,557 tons of metal are poured per year.

# **NSPS**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average	
	kg/1,000 kkg (pounds per lion pounds) of me		
Copper (T)	0.0129	0.0071	
Lead (T)	0.0353	0.0174	
Zinc (T)	0.0656	0.025	
Oil and grease	1.34	0.446	
TSS	1.7	0.67	
pH	(1)	(1)	

<sup>&</sup>lt;sup>1</sup> Within the range of 7.0 to 10.0 at all times.

	Maximum	Maximum	Annual
	for any 1	for monthly	aver-
	day	average	age 1
Copper (T) Lead (T) Zinc (T) Oil and grease TTS pH	(mg/l) <sup>2</sup> 0.29 0.79 1.47 30 38 (3)	(mg/l) <sup>2</sup> 0.16 0.39 0.56 10 15 ( <sup>3</sup> )	0.0029 0.0098 0.0179 0.223 0.446 ( <sup>3</sup> )

<sup>&</sup>lt;sup>1</sup> kg/1,000 kkg (pounds per million pounds) of metal poured.

<sup>2</sup>These concentrations must be multiplied by the ratio of (5.35/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.

<sup>3</sup>Within the range of 7.0 to 10.0 at all times.

(b) Casting Quench Operations. (1) Applicable to plants that are casting primarily ductile or gray iron and to plants that are casting primarily malleable iron where greater than 3,557 tons of metal are poured per year.

#### **NSPS**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average	
	kg/1,000 kkg (pounds per lion pounds) of m poured		
Copper (T)	0.0138	0.0076	
Lead (T)	0.0252	0.0124	
Zinc (T)	0.0466	0.0176	
Oil and grease	1.43	0.476	
TSS	0.713	0.571	
pH	(1) (1)		

<sup>1</sup> Within the range of 7.0 to 10.0 at all times.

	Maximum for any 1 day	Maximum for monthly average	Annual aver- age 1
	(mg/l) <sup>2</sup>	(mg/l) <sup>2</sup>	
Copper (T)	0.29	0.16	0.0031
Lead (T)	0.53	0.26	0.0071
Zinc (T)	0.98	0.37	0.0124
Oil and grease	30	10	0.238
TSS	15	12	0.124
pH	(3)	(3)	(3)

<sup>1</sup> Kg/1000 kkg (pounds per million pounds) of metal poured. <sup>2</sup> Within the range of 7.0 to 10.0 at all times. <sup>3</sup> These concentrations must be multiplied by the ratio of (5.7/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.

(2) Applicable to plants that are casting primarily steel and to plants that are casting primarily malleable iron where equal to or less than 3,557 tons of metal are poured per year.

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average	
	kg/1,000 kkg (pounds per lion pounds) of m poured		
Copper (T)	0.0138 0.0376 0.0699 1.43 1.81	0.0076 0.0185 0.0266 0.476 0.713	
pH	(1) (1)		

<sup>&</sup>lt;sup>1</sup> Within the range of 7.0 to 10.0 at all times.

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	Maximum for any 1 day	Maximum for monthly average	Annual aver- age 1
	(mg/l) <sup>2</sup>	(mg/l) <sup>2</sup>	
Copper (T)	0.29	0.16	0.0031
Lead (T)	0.79	0.39	0.0105
Zinc (T)	1.47	0.56	0.019
Oil and grease	30	10	0.238
TSS	38	15	0.476
pH	(3)	(3)	(3)

<sup>&</sup>lt;sup>1</sup> Kg/1000 kkg (pounds per million pounds) of metal poured. <sup>2</sup> These concentrations must be multiplied by the ratio of (5.7%) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.

(c) Dust Collection Scrubber Operations. (1) Applicable to plants that are casting primarily ductible or gray iron and to plants that are casting primarily malleable iron where greater than 3,557 tons of metal are poured per year.

#### **NSPS**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/62.3 million Sm³ (pounds p	
Copper (T)	0.218	0.12
Lead (T)	0.398	0.195
Zinc (T)	0.736	0.278
Total Phenols	0.646	0.225
Oil and grease	22.5	7.51
TSS	11.3	9.01
pH	(1)	(1)

<sup>&</sup>lt;sup>1</sup> Within the range of 7.0 to 10.0 at all times.

	Maximum for any 1 day	Maximum for monthly average	Annual aver- age <sup>1</sup>
	(mg/l) <sup>2</sup>	(mg/l) <sup>2</sup>	
Copper (T)	0.29	0.16	0.0488
Lead (T)	0.53	0.26	0.113
Zinc (T)	0.98	0.37	0.195
Total phenols	0.86	0.3	0.15
Oil and grease	30	10	3.76
TSS	15	12	1.95
pH	(3)	(3)	(3)

 $<sup>^{1}\,\</sup>text{kg/62.3}$  millions  $\text{Sm}^{3}$  (pound per billion SCF) of air scrubbed.

(2) Applicable to plants that are casting primarily steel and to plants that are casting primarily malleable iron where equal to or less than 3,557 tons of metal are poured per year.

# **NSPS**

Pollutant or pollutant property	Maximum for any 1 day  Maximum monthly a age	
	kg/62.3 million Sm³ (pounds pr billion SCF) of air scrubbed	
Copper (T)	0.218 0.593 1.1 0.656 22.5 28.5	0.12 0.293 0.421 0.225 7.51 11.3

<sup>1</sup> Within the range of 7.0 to 10.0 at all times.

	Maximum for any 1 day	Maximum for monthly average	Annual aver- age <sup>1</sup>
	(mg/l) <sup>2</sup>	(mg/l) <sup>2</sup>	
Copper (T)	0.29	0.16	0.0488
Lead (T)	0.79	0.39	0.165
Zinc (T)	1.47	0.56	0.3
Total phenols	0.86	0.3	0.15
Oil and grease	30	10	3.76
TSS	38	15	7.51
pH	(3)	(3)	(3)

<sup>1</sup> kg/62.3 millions Sm3 (pound per billion SCF) of air scrubbed.

(d) Grinding Scrubber Operations. No discharge of process wastewater pollutants to navigable waters.

(e) Investment Casting. (1) Applicable to plants that are casting primarily ductile or gray iron and to plants that are casting primarily malleable iron where greater than 3,557 tons of metal are poured per year.

Pollutant or pollutant property	Maximum for any 1 day  Maximum monthly are age		
	kg/1,000 kkg (pounds per million pounds) of metal poure		
Copper (T)	3.19	1.76	
Lead (T)	5.84	2.86	
Zinc (T)	10.8 4.07		
Oil and grease	330	110	
TSS	165	132	
pH	(¹)	( <sup>1</sup> )	

<sup>&</sup>lt;sup>1</sup> Within the range of 7.0 to 10.0 at all times.

<sup>&</sup>lt;sup>3</sup> Within the range of 7.0 to 10.0 at all times.

<sup>&</sup>lt;sup>2</sup> Within the range of 7.0 to 10.0 at all times.

<sup>3</sup> These concentrations must be multiplied by the ratio of (0.09/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 SCF of air scrubbed) for a specific plant.

<sup>&</sup>lt;sup>2</sup>Within the range of 7.0 to 10.0 at all times.

<sup>&</sup>lt;sup>3</sup>These concentrations must be multiplied by the ratio of (0.09/) where is the actual normalized process wastewater flow (in gallons per 1,000 SCF of air scrubbed) for a specific plant.

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	Maximum for any 1 day	Maximum for monthly average	Annual average 1
	(mg/l) <sup>2</sup>	(mg/l) <sup>2</sup>	
Copper (T)	0.29	0.16	0.716
Lead (T)	0.53	0.26	1.65
Zinc (T)	0.98	0.37	2.86
Oil and grease	30	10	55.1
TSS	15	12	28.6
pH	(3)	(3)	(3)

¹kg/1,000 kkg (pounds per million pounds) of metal poured.
 ²These concentrations must be multiplied by the ratio of (1,320/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.
 ³Within the range of 7.0 to 10.0 at all times.

(2) Applicable to plants that are casting primarily steel and to plants that are casting primarily malleable iron where equal to or less than 3,557 tons of metal are poured per year.

**NSPS** 

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg million pounds)	(pounds per of metal poured
Copper (T)	3.19 8.7 16.2 330 419 (¹)	1.76 4.3 6.17 110 165 (¹)

<sup>&</sup>lt;sup>1</sup> Within the range of 7.0 to 10.0 at all times.

	Maximum for any 1 day	Maximum for monthly average	Annual average 1
Copper (T) Lead (T) Zinc (T) Oil and grease TSS	(mg/l) <sup>2</sup> 0.29 0.79 1.47 30 38 (3)	(mg/l) <sup>2</sup> 0.16 0.39 0.56 10 15 (3)	0.716 2.42 4.41 55.1 110

¹kg/1,000 kkg (pounds per million pounds) of metal poured.
²These concentrations must be multiplied by the ratio of (1,320/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.
³Within the range of 7.0 to 10.0 at all times.

(f) Melting Furnace Scrubber Operations. (1) Applicable to plants that are casting primarily ductile or gray iron and to plants that are casting primarily malleable iron where greater than 3,557 tons of metal are poured per year.

**NSPS** 

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/62.3 million Sm <sup>3</sup> (pounds per billion SCF) of air scrubbe	
Conner (T)	1.02	0.561
Copper (T)	1.02	0.561
Lead (T)	1.86	0.911
Zinc (T)	3.44	1.30
Total phenols	3.01	1.05
Oil and grease	105	35
TSS	52.6	42.1
pH	(1)	(1)

<sup>1</sup> Within the range of 7.0 to 10.0 at all times.

	Maximum for any 1 day	Maximum for monthly average	Annual average
	(mg/l) <sup>2</sup>	(mg/l) <sup>2</sup>	
Copper (T)	0.29	0.16	0.228
Lead (T)	0.53	0.26	0.526
Zinc (T)	0.98	0.37	0.911
Total phenols	0.86	0.3	0.701
Oil and grease	30	10	17.5
TSS	15	12	9.11
pH	(3)	(3)	(3)

(2) Applicable to plants that are casting primarily steel and to plants that are casting primarily malleable iron where equal to or less than 3,557 tons of metal are poured per year.

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
		Sm <sup>3</sup> (pounds of air scrubbed
Copper (T) Lead (T) Zinc (T) Total phenols Oil and grease TSS pH	1.02 2.77 5.15 3.01 105 133 (¹)	0.561 1.37 1.96 1.05 35 52.6 (1)

<sup>&</sup>lt;sup>1</sup> Within the range of 7.0 to 10.0 at all times.

¹kg/62.3 million Sm³ (pounds per billion SCF) of air scrubbed.
²These concentrations must be multiplied by the ratio of (0.42/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 SCF of air scrubbed) for a specific plant.

3 Within the range of 7.0 to 10.0 at all times.

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	Maximum for any 1 day	Maximum for monthly average	Annual average
	(mg/l) <sup>2</sup>	(mg/l) <sup>2</sup>	
Copper (T)	0.29	0.16	0.228
Lead (T)	0.79	0.39	0.771
Zinc (T)	1.47	0.56	1.4
Total phenols	0.38	0.3	0.701
Oil and grease	30	10	17.5
TSS	38	15	35
pH	(3)	(3)	(3)

 $<sup>^{1}\</sup>mbox{kg/}62.3$  million  $\mbox{Sm}^{\,3}$  (pounds per billion SCF) of air scrubbed.

(g) Mold Cooling Operations. (1) Applicable to plants that are casting primarily ductile or gray iron and to plants that are casting primarily malleable iron where greater than 3,557 tons of metal are poured per year.

#### **NSPS**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average	
	kg/1,000 kkg (pounds per r lion pounds) of me poured		
Copper (T)	0.0428	0.0236	
Lead (T)	0.0783	0.0384	
Zinc (T)	0.0145	0.0546	
Oil and grease	4.43	1.48	
TSS	2.22	1.77	
pH	(1) (1)		

<sup>&</sup>lt;sup>1</sup> Within the range of 7.0 to 10.0 at all times.

	Maximum for any 1 day	Maximum for monthly average	Annual aver- age <sup>1</sup>
	(mg/l) <sup>2</sup>	(mg/l) 1	
Copper (T)	0.29	0.16	0.0096
Lead (T)	0.53	0.26	0.0222
Zinc (T)	0.98	0.37	0.0384
Oil and grease	30	10	0.738
TSS	15	12	0.384
pH	(3)	(3)	(3)

<sup>&</sup>lt;sup>1</sup>kg/1,000 kkg (pounds per million) pounds of metal poured.

<sup>2</sup>These concentrations must be multiplied by the ratio of (17.7/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.

<sup>3</sup>Within the range of 7.0 to 10.0 at all times.

(2) Applicable to plants that are casting primarily steel and to plants that are casting primarily malleable iron where equal to or less than 3,557 tons of metal are poured per year.

### **NSPS**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average	
	kg/1,000 kkg (pounds per lion pounds) of m poured		
Copper (T)	0.0428	0.0236	
Lead (T)	0.117	0.0576	
Zinc (T)	0.217	0.0827	
Oil and grease	4.43	1.48	
TSS	5.61	2.22	
pH	(1) (1)		

<sup>&</sup>lt;sup>1</sup> Within the range of 7.0 to 10.0 at all times.

	Maximum for any 1 day	Maxium for monthly av- erage	Annual aver- age <sup>1</sup>
	(mg/1) <sup>2</sup>	(mg/l) <sup>2</sup>	
Copper (T)	0.29	0.16	0.0096
Lead (T)	0.79	0.39	0.0325
Zinc (T)	1.47	0.56	0.0591
Oil and grease	30	10	0.738
TSS	38	15	1.48
pH	(3)	(3)	(3)

<sup>&</sup>lt;sup>1</sup> kg/1,000 kkg (pounds per million) pounds of metal poured.
<sup>2</sup> These concentrations must be multiplied by the ratio of (17.7/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.
<sup>3</sup> Within the range of 7.0 to 10.0 at all times.

(h) Slag Quench Operations. (1) Applicable to plants that are casting primarily ductile or gray iron and to plants that are casting primarily malleable iron where greater than 3,557 tons of metal are poured per year.

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average	
	kg/1,000 kkg (pounds per lion pounds) of me		
Copper (T)	0.0527	0.0291	
Lead (T)	0.0964	0.0473	
Zinc (T)	0.178		
Oil and grease	5.46	1.82	
TSS	2.73	2.18	
pH	. (1) (1)		

<sup>&</sup>lt;sup>1</sup> Within the range of 7.0 to 10.0 at all times.

	Maximum for any 1 day	Maximum for monthly average	Annual aver- age 1
	(mg/l) <sup>2</sup>	(mg/l) <sup>2</sup>	
Copper (T)	0.29	0.16	0.0118
Lead (T)	0.53	0.26	0.0273
Zinc (T)	0.98	0.37	0.0473
Oil and grease	30	10	0.909
TSS	15	12	0.473
pH	(3)	(3)	(3)

<sup>1</sup> kg/1,000 kkg (pounds per million pounds) of metal poured.

<sup>&</sup>lt;sup>2</sup>These concentrations must be multiplied by the ratio of (0.42/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 SCF of air scrubbed) for a specific

<sup>&</sup>lt;sup>3</sup> Within the range of 7.0 to 10.0 at all times.

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<sup>2</sup>These concentrations must be multiplied by the ratio of (21.8/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.

<sup>3</sup>Within the range of 7.0 to 10.0 at all times.

(2) Applicable to plants that are casting primarily steel and to plants that are casting primarily malleable iron where equal to or less than 3,557 tons of metal are poured per year.

### **NSPS**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds pe lion pounds) of poured	
Copper (T)	0.0527	0.0291
Lead (T)	0.144	0.0709
Zinc (T)	0.267	0.102
Oil and grease	5.46	1.82
TSS	6.91	2.73
pH	(1)	(1)

<sup>1</sup> Within the range of 7.0 to 10.0 at all times.

Maximum for any 1 day	Maximum for monthly average	Annual average
(mg/l) <sup>2</sup>	(mg/1) <sup>2</sup>	
0.29	0.16	0.0118
0.79	0.39	0.04
1.47	0.56	0.0728
30	10	0.909
38	15	1.82
(3)	(3)	(3)
	for any 1 day  (mg/l) <sup>2</sup> 0.29 0.79 1.47 30 38	for any 1 day for monthly average (mg/l) <sup>2</sup> (mg/1) <sup>2</sup> 0.16 0.79 0.39 1.47 0.56 30 10 38 15

<sup>1</sup>kg/1000 kkg (pounds per million pounds) of metal poured.
<sup>2</sup> These concentrations must be multiplied by the ratio of (21.8/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.
<sup>3</sup> Within the range of 7.0 to 10.0 at all times.

(i) Wet Sand Reclamation Operations. (1) Applicable to plants that are casting primarily ductile or gray iron and to plants that are casting primarily malleable iron where greater than 3,557 tons of metal are poured per year.

# **NSPS**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per lion pounds) of san claimed	
Copper (T)	0.217	0.12
Lead (T)	0.396	0.194
Zinc (T)	0.732	0.276
Total phenols		
Oil and grease	22.4	7.47
TSS	11.2	8.96
pH	(1)	(1)

<sup>&</sup>lt;sup>1</sup> Within the range of 7.0 to 10.0 at all times.

	Maximum for any 1 day	Maximum for monthly average	Annual aver- age <sup>1</sup>
	(mg/l) <sup>2</sup>	(mg/l) <sup>2</sup>	
Copper (T)	0.29	0.16	0.0485
Lead (T)	0.53	0.26	0.112
Zinc (T)	0.98	0.37	0.194
Total phenols	0.86	0.3	0.149
Oil and grease	30	10	3.73
TSS	15	12	1.94
pH	(3)	( <sup>3</sup> )	(3)

1 kg/1,000 kkg (pounds per million pounds) of sand re-

claimed.

<sup>2</sup>These concentrations must be multiplied by the ratio of (89.5/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of sand reclaimed) for a specific plant.

<sup>3</sup>Within the range of 7.0 to 10.0 at all times.

(2) Applicable to plants that are casting primarily steel and to plants that are casting primarily malleable iron where equal to or less than 3,557 tons of metal are poured per year.

#### NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (p lion pounds) claimed	oounds per mil of sand re
Copper (T) Lead (T) Zinc (T) Total phenols Oil and grease TSS pH	0.217 0.59 1.1 0.642 22.4 28.4 (1)	0.12 0.291 0.418 0.224 7.47 11.2

1 Within the range of 7.0 to at all times.

Maximum for any 1 day	Maximum for monthly average	Annual aver- age 1
(mg/l) <sup>2</sup>	(mg/l) <sup>2</sup>	
0.29	0.16	0.0485
0.79	0.39	0.164
1.47	0.56	0.299
0.86	0.3	0.149
30	10	3.73
38	15	7.47
( <sup>3</sup> )	(3)	( <sup>3</sup> )
	for any 1 day  (mg/l) <sup>2</sup> 0.29 0.79 1.47 0.86 30 38	for any 1 day for monthly average (mg/l) <sup>2</sup> (mg/l) <sup>2</sup> 0.29 0.16 0.79 0.39 1.47 0.56 0.86 0.3 30 10 38 15

1 kg/1,000 kkg (pounds per million pounds) of sand re-

claimed.

2 These concentrations must be multiplied by the ratio of (89.5/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of sand reclaimed) for a specific plant.

3 Within the range of 7.0 to 10.0 at all times.

[50 FR 45247, Oct. 30, 1985; 51 FR 21761, June 16, 1986]

### §464.35 Pretreatment standards for existing sources.

Except as provided in 40 CFR 403.7 and 403.13, any existing source subject