

**Environmental Protection Agency**

**§ 464.25**

**NSPS**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per million pounds) of metal poured	
Copper (T) .....	8.48	4.63
Lead (T) .....	5.84	2.86
Zinc (T) .....	8.37	3.19
Oil and grease .....	330	110
TSS .....	165	132
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<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 <sup>1</sup>
	(mg/l) <sup>2</sup>	(mg/l) <sup>2</sup>	
Copper (T) .....	0.77	0.42	1.87
Lead (T) .....	0.53	0.26	1.65
Zinc (T) .....	0.76	0.29	1.98
Oil and grease .....	30	10	55.1
TSS .....	15	12	28.6
pH .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )

<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 (1,320/x) where x is the actual normalized process waste-water 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.

**(f) Melting Furnace Scrubber Operations.**

**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 scrubbed	
Copper (T) .....	1.81	0.988
Lead (T) .....	1.25	0.612
Zinc (T) .....	1.79	0.673
Total phenols .....	2.02	0.706
Oil and grease .....	70.6	23.5
TSS .....	35.3	28.2
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<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 <sup>1</sup>
	(mg/l) <sup>2</sup>	(mg/l) <sup>2</sup>	
Copper (T) .....	0.77	0.42	0.4
Lead (T) .....	0.53	0.26	0.353
Zinc (T) .....	0.76	0.29	0.424
Total phenols .....	0.86	0.3	0.471
Oil and grease .....	30	10	11.8
TSS .....	15	12	6.12
pH .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )

<sup>1</sup> kg/62.3 Sm<sup>3</sup> (pounds per billion SCF) of air scrubbed.  
<sup>2</sup> These concentrations must be multiplied by the ratio of (0.282/x) where x is the actual normalized process waste-water flow (in gallons per 1,000 SCF of air scrubbed) for a specific plant.  
<sup>3</sup> Within the range of 7.0 to 10.0 at all times.

**(g) Mold Cooling Operations.**

**NSPS**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per million pounds) of metal poured	
Copper (T) .....	0.392	0.214
Lead (T) .....	0.27	0.132
Zinc (T) .....	0.387	0.148
Oil and grease .....	15.3	5.09
TSS .....	7.63	6.11
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<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 <sup>1</sup>
	(mg/l) <sup>2</sup>	(mg/l) <sup>2</sup>	
Copper (T) .....	0.77	0.42	0.0865
Lead (T) .....	0.53	0.26	0.0763
Zinc (T) .....	0.76	0.29	0.0916
Oil and grease .....	30	10	2.54
TSS .....	15	12	1.32
pH .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )

<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 (61/x) where x is the actual normalized process waste-water 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.

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

**§ 464.25 Pretreatment standards for existing sources.**

Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for existing sources.

**(a) Casting Quench Operations.**

**PSES**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1000 kkg (pounds per million pounds) of metal poured	
Copper (T) .....	0.0307	0.0168
Lead (T) .....	0.0211	0.0104
Zinc (T) .....	0.0303	0.0116
TTO .....	0.0335	0.0109
Oil and grease (for alternate monitoring) .....	1.2	0.399

**(b) Direct Chill Casting Operations.**

§ 464.26

40 CFR Ch. I (7–1–10 Edition)

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per million pounds) of metal poured	
Copper (T) .....	0.928	0.506
Lead (T) .....	0.639	0.314
Zinc (T) .....	0.916	0.35

(c) Dust Collection Scrubber Operations.

PSES

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 scrubbed	
Copper (T) .....	0.552	0.301
Lead (T) .....	0.38	0.187
Zinc (T) .....	0.545	0.208
Total phenols .....	0.617	0.215
TTO .....	1.65	0.54
Oil and grease (for alternate monitoring) .....	21.5	7.18

(d) Grinding Scrubber Operations. No discharge of process wastewater pollutants to a POTW.

(e) Investment Casting.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per million pounds) of metal poured	
Copper (T) .....	8.48	4.63
Lead (T) .....	5.84	2.86
Zinc (T) .....	8.37	3.19
TTO .....	25.4	8.29
Oil and grease for alternate monitoring) .....	330	110

(f) Melting Furnace Scrubber Operations.

PSES

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 scrubbed	
Copper (T) .....	1.81	0.988
Lead (T) .....	1.25	0.612
Zinc (T) .....	1.79	0.673
Total phenols .....	2.02	0.706
TTO .....	5.41	1.77
Oil and grease (for alternate monitoring) .....	70.6	23.5

(g) Mold Cooling Operations.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per million pounds) of metal poured	
Copper (T) .....	0.392	0.214
Lead (T) .....	0.27	0.132
Zinc (T) .....	0.387	0.148
TTO .....	0.428	0.14
Oil and grease (for alternate monitoring) .....	15.3	5.09

§ 464.26 Pretreatment standards for new sources.

Except as provided in 40 CFR 403.7, any new source subject to this subpart which introduces pollutants into publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources.

(a) Casting Quench Operations.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per million pounds) of metal poured	
Copper (T) .....	0.0307	0.0168
Lead (T) .....	0.0211	0.0104
Zinc (T) .....	0.0303	0.0116
TTO .....	0.0335	0.0109
Oil and grease (for alternate monitoring) .....	1.2	0.399

(b) Direct Chill Casting Operations.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per million pounds) of metal poured	
Copper (T) .....	0.928	0.506
Lead (T) .....	0.639	0.314
Zinc (T) .....	0.916	0.35

(c) Dust Collection Scrubber Operations.