

**Environmental Protection Agency**

**§ 464.26**

(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.*

**PSNS**

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.*

**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) .....	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.*

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PSNS

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.

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) .....	0.392	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

**§ 464.27 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology. [Reserved]**

**Subpart C—Ferrous Casting Subcategory**

**§ 464.30 Applicability; description of the ferrous casting subcategory.**

The provisions of this subpart are applicable to discharges to waters of the United States and to the introduction of pollutants into publicly owned treatment works resulting from ferrous casting operations as defined in § 464.02(c).

**§ 464.31 Specialized definitions.**

For the purpose of this subpart:

(a) *Total Toxic Organics (TTO)*. TTO is a regulated parameter under PSES (§ 464.35) and PSNS (§ 464.36) for the ferrous subcategory and is comprised of a discrete list of toxic organic pollutants for each process segment where it is regulated, as follows:

(1) Casting Quench (§ 464.35(b) and § 464.36(b)):

- 23. chloroform (trichloromethane)
- 34. 2,4-dimethylphenol

(2) Dust Collection Scrubber (§ 464.35(c) and § 464.36(b)):

- 1. acenaphthene
- 23. chloroform (trichloromethane)
- 31. 2,4-dichlorophenol
- 34. 2,4-dimethylphenol
- 39. fluoranthene
- 44. methylene chloride (dichloromethane)
- 55. naphthalene
- 64. pentachlorophenol
- 65. phenol
- 66. bis(2-ethylhexyl)phthalate
- 67. butyl benzyl phthalate
- 68. di-n-butyl phthalate
- 70. diethyl phthalate
- 71. dimethyl phthalate
- 72. benzo (a)anthracene (1,2-benzanthracene)
- 76. chrysene
- 77. acenaphthylene
- 78. anthracene
- 80. fluorene
- 81. phenanthrene
- 84. pyrene

(3) Investment Casting (§ 464.35(e) and § 464.36(e)):

- 23. chloroform (trichloromethane)
- 44. methylene chloride (dichloromethane)
- 66. bis (2-ethylhexyl) phthalate
- 77. acenaphthylene
- 84. pyrene

(4) Melting Furnace Scrubber (§ 464.35(f) and § 464.36(f)):

- 23. chloroform (trichloromethane)
- 31. 2,4-dichlorophenol
- 34. 2,4-dimethylphenol
- 39. fluoranthene
- 44. methylene chloride (dichloromethane)
- 55. naphthalene
- 65. phenol
- 66. bis (2-ethylhexyl) phthalate
- 67. butyl benzyl phthalate
- 68. di-n-butyl phthalate
- 72. benzo (a)anthracene (1,2-benzanthracene)
- 76. chrysene
- 77. acenaphthylene
- 78. anthracene
- 80. fluorene
- 81. phenanthrene
- 84. pyrene

(5) Mold Cooling (§ 464.35(g) and § 464.36(g)):

- 23. chloroform (trichloromethane)
- 34. 2,4-dimethylphenol

(6) Slag Quench (§ 464.35(h) and § 464.36(h)):

- 34. 2,4-dimethylphenol
- 71. dimethyl phthalate

(7) Wet Sand Reclamation (§ 464.35(i) and § 464.36(i)):

- 1. acenaphthene