

Environmental Protection Agency

§ 464.16

PSSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/62.3 million Sm ³ (pounds per billion SCF) of air scrubbed	
Copper (T)	3.01	1.64
Lead (T)	3.09	1.52
Zinc (T)	4.45	1.68
Total phenols	3.36	1.17
TTO	7.97	2.6
Oil and grease (for alternate monitoring)	117	39.1

(h) Mold Cooling Operations.

PSSES

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)	0.297	0.162
Lead (T)	0.305	0.151
Zinc (T)	0.44	0.166
TTO	0.935	0.304
Oil and grease (for alternate monitoring)	11.6	3.86

[50 FR 45247, Oct. 30, 1985; 51 FR 21760, June 16, 1986]

§ 464.16 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 Cleaning 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)	0.0771	0.0421
Lead (T)	0.0791	0.039
Zinc (T)	0.114	0.0431

(b) 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)	0.0093	0.0051
Lead (T)	0.0096	0.0047
Zinc (T)	0.0138	0.0052
TTO	0.029	0.0095
Oil and grease (for alternate monitoring)	0.363	0.121

(c) Die 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)	0.0066	0.0036
Lead (T)	0.0068	0.0034
Zinc (T)	0.0098	0.0037
Total Phenols	0.0074	0.0026
TTO	0.0308	0.01
Oil and grease (for alternate monitoring)	0.259	0.0864

(d) Dust Collection Scrubber Operations.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/62.3 million Sm ³ (pounds per billion SCF) of air scrubbed	
Copper (T)	0.231	0.126
Lead (T)	0.237	0.117
Zinc (T)	0.343	0.129
Total Phenols	0.258	0.09
TTO	0.613	0.2
Oil and grease (for alternate monitoring)	9.01	3.0

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

(f) 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)	8.7	4.3
Zinc (T)	12.6	4.74
TTO	18.1	5.91
Oil and grease (for alternate monitoring)	330	110

(g) *Melting Furnace Scrubber Operations.*

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/62.3 million Sm ³ (pounds per billion SCF) of air scrubbed	
Copper (T)	3.01	1.64
Lead (T)	3.09	1.52
Zinc (T)	4.45	1.68
Total Phenols	3.36	1.17
TTO	7.97	2.6
Oil and grease (for alternate monitoring)	117	39.1

(h) *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)	0.297	0.162
Lead (T)	0.305	0.151
Zinc (T)	0.44	0.166
TTO	0.935	0.304
Oil and grease (for alternate monitoring)	11.6	3.86

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

Subpart B—Copper Casting Subcategory

§ 464.20 Applicability; description of the copper 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 treat-

ment works resulting from copper casting operations as defined in § 464.02(b).

§ 464.21 Specialized definitions.

For the purpose of this subpart:

(a) *Total Toxic Organics (TTO)*. TTO is a regulated parameter under PSES (§ 464.25) and PSNS (§ 464.26) for the copper 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 (§ 464.25(a) and § 464.26(a)):

- 23. chloroform (trichloromethane)
- 64. pentachlorophenol
- 66. bis(2-ethylhexyl)phthalate
- 71. dimethyl phthalate

(2) Dust Collection Scrubbers (§ 464.25(c) and 464.26(c)):

- 1. acenaphthene
- 22. para-chloro meta-cresol
- 23. chloroform (trichloromethane)
- 34. 2,4-dimethylphenol
- 55. naphthalene
- 58. 4-nitrophenol
- 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)
- 74. 3,4-benzofluoranthene
- 75. benzo(k) fluoranthene
- 76. chrysene
- 77. acenaphthylene
- 78. anthracene
- 81. phenanthrene
- 84. pyrene

(3) Investment Casting (§ 464.25(e) and § 464.26(e)):

- 1. acenaphthene
- 22. para-chloro meta-cresol
- 23. chloroform (trichloromethane)
- 34. 2,4-dimethylphenol
- 55. naphthalene
- 58. 4-nitrophenol
- 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)
- 74. 3,4-benzofluoranthene
- 75. benzo(k) fluoranthene
- 76. chrysene
- 77. acenaphthylene
- 78. anthracene