BPT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day Maximum monthly avage		
	kg/1,000 kkg (pounds per m lion pounds) of me poured		
Copper (T) Lead (T)	0.297 0.305	0.162 0.151	
Zinc (T)	0.44	0.166	
Oil and grease	11.6	3.86	
TSS	14.7	5.79	
pH	(1)	(1)	

¹ Within the range of 7.0 to 10.0 at all times.

	Maximum for any 1 day	Maximum for monthly average	Annual av- erage ¹
Copper (T) Lead (T) Zinc (T) Oil and grease TSS pH	(mg/l) ¹ 0.77 0.79 1.14 30 38 (³)	(mg/) 1 0.42 0.39 0.43 10 15 (3)	0.0656 0.0849 0.104 1.93 3.86

1 kg/1,000 kkg (pounds per million pounds) of metal
 2 These concentrations must be multiplied by the ratio of
 (46.3/x) where x is the actual normalized process wastewater
 flow (in gallons per 1,000 pounds of metal poured) 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 21760, June 16, 1986]

§ 464.13 Effluent limitations guidelines representing the degree of effluent reduction attainable by the applica-tion of the best available tech-nology economically achievable.

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable, 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/62.3 million Sm3 or lb/billion SCF of air scrubbed) effluent limitations for copper, lead, zinc, and total phenols. For non-continuous chargers, annual average mass limitations and maximum day and maximum for monthly average concentration (mg/l) limitations shall apply. Concentration limitations and annual average mass limitations shall only apply to non-continuous dischargers.

(a) Casting Cleaning Operations.

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day Maximum monthly age		
	kg/1,000 kkg (pounds per million pounds) of metal poure		
Copper (T)	0.0771	0.0421	
Lead (T)	0.0791 0.03		
Zinc (T)	0.114 0.04		

	Maximum for any 1 day	Maximum for monthly average	Annual aver- age 1
	(mg/l) ²	(mg/l) ²	
Copper (T)	0.77	0.42	0.017
Lead (T)	0.79	0.39	0.022
Zinc (T)	1.14	0.43	0.027

¹ kg/1,000 kkg (pounds per million pounds) of metal poured.
These concentrations must be multiplied by the ratio of (12/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.

(b) Casting Quench Operations.

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per m lion pounds) of me poured	
Copper (T)	0.0093	0.0051
Lead (T)	0.0096	0.0047
Zinc (T)	0.0138	0.0052

	Maximum for any 1 day	Maximum for monthly average	Annual aver- age 1
	(mg/l) ²	(mg/l) ²	
Copper (T)	0.77	0.42	0.0021
Lead (T)	0.79	0.39	0.0027
Zinc (T)	1.14	0.43	0.0033

¹ kg/1,000 kkg (pounds per million pounds) of metal poured.
2 These concentrations must be multiplied by the ratio of (1.45/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.

(c) Die Casting Operations.

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per mi lion pounds) of meta 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

Environmental Protection Agency

	Maximum for any 1 day	Maximum for monthly average	Annual aver- age ¹
Copper (T) Lead (T) Zinc (T) Total Phenols	(mg/l) ² 0.77 0.79 1.14 0.86	(mg/l) ² 0.42 0.39 0.43 0.3	0.0015 0.0019 0.0023 0.0017

¹ kg/1,000 kkg (pounds per million pounds) of metal poured.
² These concentrations must be multiplied by the ratio of (1.04/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.

(d) Dust Collection Scrubber Operations.

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly aver age	
	kg/62.3 million Sm³ (pound per billion SCF) of a 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	

	Maximum for any 1 day	Maximum for monthly average	Annual aver- age ¹
Copper (T)	(mg/l) ² 0.77 0.79 1.14 0.86	(mg/l) ² 0.42 0.39 0.43 0.3	0.0511 0.0661 0.0811 0.0601

 $^{^{1}\,}kg/62.3$ million Sm^{3} (lb per billion SCF) of air scrubbed.

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

(f) Investment Casting.

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day Maximum monthly av age	
	kg/1,000 kkg (pounds per m lion pounds) of met poured	
Copper (T)	8.48	4.63
Lead (T)	8.7	4.3
Zinc (T)	12.6	4.74

	Maximum for any 1 day	Maximum for monthly average	Annual aver- age ¹
	(mg/l) ²	(mg/l) ²	
Copper (T)	0.77	0.42	1.87
Lead (T)	0.79	0.39	2.42
Zinc (T)	1.14	0.43	2.97

¹ kg/1,000 kkg (pounds per million pounds) of metal poured.
2 These 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.

(g) Melting Furnace Scrubber Operations.

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day Maximum monthly avage	
	kg/62.3 million per billion scrubbed	Sm³ (pounds SCF) of air
Copper (T) Lead (T) Zinc (T) Total phenols	3.01 3.09 4.45 3.36	1.64 1.52 1.68 1.17

	Maximum for any 1 day	Maximum for monthly average	Annual aver- age 1
	(mg/l) ²	(mg/l) ²	
Copper (T)	0.77	0.42	0.664
Lead (T)	0.79	0.39	0.859
Zinc (T)	1.14	0.43	1.05
Total phenols	0.86	0.3	0.781

(h) Mold Cooling Operations.

BAT EFFLUENT LIMITATIONS

		•		-	
Pollutant or pollutant property		Maximum for any 1 day		Maximum for monthly average	
		k		oounds per mil- s) of metal	
Copper (T) Lead (T) Zinc (T)			0.297 0.305 0.44	0.162 0.151 0.166	
	Maximum for any 1 day	1	Maximum for monthly average	Annual av- erage ¹	

	Maximum for any 1 day	Maximum for monthly average	Annual av- erage ¹
	(mg/l) ²	(mg/l) ²	
Copper (T)	0.77	0.42	0.0656
Lead (T)	0.79	0.39	0.0849
Zinc (T)	1.14	0.43	0.104

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

²These concentrations must be multiplied by the ratio of (0.036/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 SCF of air scrubbed) for a specific plant.

¹kg/62.3 million Sm³ (pounds per billion SCF) of air scrubbed

2 These concentrations must be multiplied by the ratio of (0.468/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 SCF of air scrubbed) for a specific plant.

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²These concentrations must be multiplied by the ratio of (46.3/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.

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

§ 464.14 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/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.

NSPS

Pollutant or pollutant property	Maximum for any 1 day Maximum for monthly av age		
	kg/1,000 kkg (pounds per mi lion pounds) of meta poured		
Copper (T)	0.0771	0.0421	
Lead (T)	0.0791	0.039	
Zinc (T)	0.114	0.0431	
Oil and grease	3.0	1.0	
TSS	3.8	1.5	
pH	(1) (1)		

¹ Within the range of 7.0 to 10.0 at all times.

	Maximum for any 1 day	Maximum for monthly average	Annual av- erage ¹
Copper (T)	(mg/l) ² 0.77 0.79 1.14 30 38	(mg/l) ² 0.42 0.39 0.43 10	0.017 0.022 0.027 0.501
pH	(3)	(3)	(3)

¹ kg/1,000 kkg (pounds per million pounds) of metal poured.
2 These concentrations must be multiplied by the ratio of (12/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.

(b) Casting Quench Operations.

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)	0.0093 0.0096 0.0138 0.363 0.46 (1)	0.0051 0.0047 0.0052 0.121 0.182 (¹)	

¹ 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) ²	(mg/l) ²	
Copper (T)	0.77	0.42	0.0021
Lead (T)	0.79	0.39	0.0027
Zinc (T)	1.14	0.43	0.0033
Oil and grease	30	10	0.0605
TSS	38	15	0.121
pH	(3)	(3)	(3)

¹ kg/1,000 kkg (pounds per million pounds) of metal poured.
2 These concentrations must be multiplied by the ratio of (1.45/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.
3 Within the range of 7.0 to 10.0 at all times.

(c) Die Casting Operations.

NSPS

Pollutant or pollutant property	Maximum for one 1 day	Maximum for monthly average	
	kg/1,000 kkg (pounds per m lion pounds) of me poured		
Copper (T)	0.0066 0.0068 0.0098 0.0074 0.259 0.33	0.0036 0.0034 0.0037 0.0026 0.0864 0.13	

¹ 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) ²	(mg/l) ²	
Copper (T)	0.77	0.42	0.0015
Lead (T)	0.79	0.39	0.0019
Zinc (T)	1.14	0.43	0.0023
Total phenols	0.86	0.3	0.0017
Oil and grease	30	10	0.0432
TSS and	38	15	0.0864
pH	(3)	(3)	(3)

¹ kg/1,000 kkg (pounds per million pounds) of metal poured.
² These concentrations must be multiplied by the ratio of (1.04/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured)
³ Within the range of 7.0 to 10.0 at all times.

(d) Dust Collection Scrubber Operations.

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