

§ 468.15

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	Metric units—mg/off-kg of copper or copper alloy tumbled or burnished	
	English units—pounds per 1,000,000 off-pounds of copper or copper alloy tumbled or burnished	
Chromium .....	0.256	0.104
Copper .....	1.107	0.583
Lead .....	0.087	0.075
Nickel .....	1.119	0.740
Zinc .....	0.851	0.355
TTO .....	0.378	0.198
Oil and grease <sup>1</sup> .....	11.660	6.996

<sup>1</sup> For alternate monitoring.

(p) Subpart A—Surface Coating PSES.

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	Metric units—mg/off-kg of copper or copper alloy surface coated	
	English units—pounds per 1,000,000 off-pounds of copper or copper alloy surface coated	
Chromium .....	0.326	0.133
Copper .....	1.411	0.743
Lead .....	0.111	0.096
Nickel .....	1.426	0.943
Zinc .....	1.084	0.453
TTO .....	0.482	0.252
Oil and grease <sup>1</sup> .....	14.860	8.916

<sup>1</sup> For alternate monitoring.

(q) Subpart A—Miscellaneous Waste Streams PSES.

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	Metric units—mg/off-kg of copper or copper alloy formed	
	English units—pounds per 1,000,000 off pounds of copper or copper alloy formed	
Chromium .....	0.009	0.003
Copper .....	0.041	0.021
Lead .....	0.003	0.002
Nickel .....	0.041	0.027
Zinc .....	0.031	0.013
TTO .....	0.014	0.007
Oil and grease <sup>1</sup> .....	0.436	0.261

<sup>1</sup> For alternate monitoring.

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§ 468.15 Pretreatment standards for new sources (PSNS).

Except as provided in 40 CFR 403.7, any new 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 sources for new sources:

(a) Subpart A—Hot Rolling Spent Lubricant PSNS.

Pollutant or pollutant property	Maximum for any one day	Maximum for monthly average
	Metric units—mg/off-kg of copper or copper alloy hot rolled	
	English units—pounds per 1,000,000 off-pounds of copper or copper alloy hot rolled	
Chromium .....	0.038	0.015
Copper .....	0.131	0.062
Lead .....	0.010	0.0092
Nickel .....	0.056	0.038
Zinc .....	0.105	0.043
TTO .....	0.035	0.035
Oil and grease <sup>1</sup> .....	1.030	1.030

<sup>1</sup> For alternate monitoring.

(b) Subpart A—Cold Rolling Spent Lubricant PSNS.

Pollutant or pollutant property	Maximum for any one day	Maximum for monthly average
	Metric units—mg/off-kg of copper or copper alloy cold rolled	
	English units—pounds per 1,000,000 off-pounds of copper or copper alloy cold rolled	
Chromium .....	0.140	0.056
Copper .....	0.485	0.231
Lead .....	0.037	0.034
Nickel .....	0.208	0.140
Zinc .....	0.386	0.159
TTO .....	0.128	0.128
Oil and grease <sup>1</sup> .....	3.790	3.790

<sup>1</sup> For alternate monitoring.

(c) Subpart A—Drawing Spent Lubricant PSNS.

[48 FR 36957, Aug. 15, 1983, as amended at 51 FR 22521, June 20, 1986]

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Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	Metric units—mg/off-kg of copper or copper alloy drawn English units—pounds per 1,000,000 off-pounds of copper or copper alloy drawn	
Chromium .....	0.031	0.012
Copper .....	0.108	0.051
Lead .....	0.0085	0.0076
Nickel .....	0.046	0.031
Zinc .....	0.086	0.035
TTO .....	0.028	0.028
Oil and grease <sup>1</sup> .....	0.850	0.850

<sup>1</sup> For alternate monitoring.

**(d) Subpart A—Solution Heat Treatment PSNS.**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	Metric units—mg/off-kg of copper or copper alloy heat treated English units—pounds per 1,000,000 off-pounds of copper or copper alloy heat treated	
Chromium .....	0.239	0.096
Copper .....	0.826	0.394
Lead .....	0.064	0.058
Nickel .....	0.355	0.239
Zinc .....	0.658	0.271
TTO .....	0.219	0.219
Oil and grease <sup>1</sup> .....	6.460	6.460

<sup>1</sup> For alternate monitoring.

**(e) Subpart A—Extrusion Heat Treatment PSNS.**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	Metric units—mg/off-kg of copper or copper alloy heat treated on an extrusion press English units—pounds per 1,000,000 off-pounds of copper or copper alloy heat treated on an extrusion press	
Chromium .....	0.00074	0.00030
Copper .....	0.0020	0.0010
Lead .....	0.00020	0.00018
Nickel .....	0.0010	0.00074
Zinc .....	0.0020	0.00084
TTO .....	0.00068	0.00068
Oil and grease <sup>1</sup> .....	0.020	0.020

<sup>1</sup> For alternate monitoring.

**(f) Subpart A—Annealing with Water PSNS.**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	Metric units—mg/off-kg of copper or copper alloy annealed with water English units—pounds per 1,000,000 off-pounds of copper or copper alloy annealed with water	
Chromium .....	0.458	0.186
Copper .....	1.587	0.756
Lead .....	0.124	0.111
Nickel .....	0.682	0.458
Zinc .....	1.264	0.520
TTO .....	0.421	0.421
Oil and grease <sup>1</sup> .....	12.400	12.400

<sup>1</sup> For alternate monitoring.

**(g) Subpart A—Annealing With Oil PSNS.**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	Metric units—mg/off-kg of copper or copper alloy annealed with oil English units—pounds per 1,000,000 off-pounds of copper or copper alloy annealed with oil	
Chromium .....	0	0
Copper .....	0	0
Lead .....	0	0
Nickel .....	0	0
Zinc .....	0	0
TTO .....	0	0
Oil and grease <sup>1</sup> .....	0	0

<sup>1</sup> For alternate monitoring.

**(h) Subpart A—Alkaline Cleaning Rinse PSNS.**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	Metric units—mg/off-kg of copper or copper alloy alkaline cleaned English units—pounds per 1,000,000 off-pounds of copper or copper alloy alkaline cleaned	
Chromium .....	1.559	0.632
Copper .....	5.393	2.570
Lead .....	0.421	0.379
Nickel .....	2.317	1.559
Zinc .....	4.298	1.769
TTO .....	1.432	1.432
Oil and grease <sup>1</sup> .....	42.140	42.140

<sup>1</sup> For alternate monitoring.

**(i) Subpart A—Alkaline Cleaning Rinse for Forged Parts PSNS.**

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Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	Metric units—mg/off-kg of copper or copper alloy forged parts alkaline cleaned	
	English units—pounds per 1,000,000 off-pounds of copper or copper alloy forged parts alkaline cleaned	
Chromium .....	4.677	1.896
Copper .....	16.181	7.711
Lead .....	1.264	1.137
Nickel .....	6.953	4.677
Zinc .....	12.894	5.309
TTO .....	4.298	4.298
Oil and grease <sup>1</sup> .....	126.420	126.420

<sup>1</sup> For alternate monitoring.

(j) Subpart A—Alkaline Cleaning Bath PSNS.

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	Metric units—mg/off-kg of copper or copper alloy alkaline cleaned	
	English units—pounds per 1,000,000 off-pounds of copper or copper alloy alkaline cleaned	
Chromium .....	0.017	0.0070
Copper .....	0.059	0.028
Lead .....	0.0046	0.0042
Nickel .....	0.025	0.017
Zinc .....	0.047	0.019
TTO .....	0.015	0.015
Oil and grease <sup>1</sup> .....	0.46	0.46

<sup>1</sup> For alternate monitoring.

(k) Subpart A—Pickling Rinse PSNS.

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	Metric units—mg/off-kg of copper or copper alloy pickled	
	English units—pounds per 1,000,000 off-pounds of copper or copper alloy pickled	
Chromium .....	0.216	0.087
Copper .....	0.748	0.356
Lead .....	0.058	0.052
Nickel .....	0.321	0.216
Zinc .....	0.596	0.245
TTO .....	0.198	0.198
Oil and grease <sup>1</sup> .....	5.850	5.850

<sup>1</sup> For alternate monitoring.

(l) Subpart A—Pickling Rinse for Forged Parts PSNS.

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	Metric units—mg/off-kg of copper or copper alloy forged parts pickled	
	English units—pounds per 1,000,000 off-pounds of copper or copper alloy forged parts pickled	
Chromium .....	0.649	0.263
Copper .....	2.246	1.070
Lead .....	0.175	0.157
Nickel .....	0.965	0.649
Zinc .....	1.790	0.737
TTO .....	0.596	0.596
Oil and grease <sup>1</sup> .....	17.550	17.550

<sup>1</sup> For alternate monitoring.

(m) Subpart A—Pickling Bath PSNS.

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	Metric units—mg/off-kg of copper or copper alloy pickled	
	English units—pounds per 1,000,000 off-pounds of copper or copper alloy pickled	
Chromium .....	0.042	0.017
Copper .....	0.148	0.070
Lead .....	0.011	0.010
Nickel .....	0.063	0.042
Zinc .....	0.118	0.048
TTO .....	0.039	0.039
Oil and grease <sup>1</sup> .....	1.160	1.160

<sup>1</sup> For alternate monitoring.

(n) Subpart A—Pickling Fume Scrubber PSNS.

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	Metric units—mg/off-kg of copper or copper alloy pickled	
	English units—pounds per 1,000,000 off-pounds of copper or copper alloy pickled	
Chromium .....	0.231	0.093
Copper .....	0.801	0.381
Lead .....	0.062	0.056
Nickel .....	0.344	0.231
Zinc .....	0.638	0.262
TTO .....	0.212	0.212
Oil and grease <sup>1</sup> .....	6.260	6.260

<sup>1</sup> For alternate monitoring.

(o) Subpart A—Tumbling or Bur-nishing PSNS.

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	Metric units—mg/off-kg of copper or copper alloy tumbled or burnished	
	English units—pounds per 1,000,000 off-pounds of copper or copper alloy tumbled or burnished	
Chromium .....	0.215	0.087
Copper .....	0.746	0.355
Lead .....	0.058	0.052
Nickel .....	0.320	0.215
Zinc .....	0.594	0.244
TTO .....	0.198	0.198
Oil and grease <sup>1</sup> .....	5.830	5.830

<sup>1</sup> For alternate monitoring.

(p) Subpart A—Surface Coating PSNS.

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	Metric units—mg/off-kg of copper or copper alloy surface coated	
	English units—pounds per 1,000,000 off-pounds of copper or copper alloy surface coated	
Chromium .....	0.274	0.111
Copper .....	0.951	0.453
Lead .....	0.074	0.066
Nickel .....	0.408	0.274
Zinc .....	0.757	0.312
TTO .....	0.252	0.252
Oil and grease <sup>1</sup> .....	7.430	7.430

<sup>1</sup> For alternate monitoring.

(q) Subpart A—Miscellaneous Waste Streams PSNS.

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	Metric units—mg/off-kg of copper or copper alloy formed	
	English units—pounds per 1,000,000 off-pounds of copper or copper alloy formed	
Chromium .....	0.008	0.003
Copper .....	0.027	0.013
Lead .....	0.0021	0.0019
Nickel .....	0.011	0.008
Zinc .....	0.022	0.009
TTO .....	0.007	0.007
Oil and grease <sup>1</sup> .....	0.218	0.218

<sup>1</sup> For alternate monitoring.

[48 FR 36957, Aug. 15, 1983; 48 FR 50719, Nov. 3, 1983]

**§ 468.16 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollution control technology (BCT). [Reserved]**

**Subpart B—Beryllium Copper Forming Subcategory**

**§ 468.20 Applicability; description of the beryllium copper forming subcategory.**

This subpart applies to discharges of pollutants to waters of the United States, and introduction of pollutants into publicly owned treatment works from the forming of beryllium copper alloys.

[51 FR 7571, Mar. 5, 1986]

**PART 469—ELECTRICAL AND ELECTRONIC COMPONENTS POINT SOURCE CATEGORY**

**Subpart A—Semiconductor Subcategory**

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- 469.11 Compliance dates.
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- 469.16 Pretreatment standards for existing sources (PSES).
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- 469.19 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollution control technology (BCT).

**Subpart B—Electronic Crystals Subcategory**

- 469.20 Applicability.
- 469.21 Compliance dates.
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- 469.23 Monitoring.
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