

# Environmental Protection Agency

# § 468.13

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 .....	0.051	0.020
Copper .....	0.220	0.116
Lead .....	0.017	0.015
Nickel .....	0.222	0.147
Zinc .....	0.169	0.070

## (n) Subpart A—Pickling Fume Scrubber BAT Effluent Limitations.

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 .....	0.275	0.112
Copper .....	1.189	0.626
Lead .....	0.093	0.081
Nickel .....	1.201	0.795
Zinc .....	0.913	0.381

## (o) Subpart A—Tumbling or Burnishing BAT Effluent Limitations.

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—pound 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

## (p) Subpart A—Surface Coating BAT Effluent Limitations.

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—pound 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

## (q) Subpart A—Miscellaneous Waste Streams BAT Effluent Limitations.

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

## § 468.13 New source performance standards (NSPS).

The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a new source subject to the provisions of this subpart:

### (a) Subpart A—Hot Rolling Spent Lubricant NSPS.

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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 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
Oil and grease .....	1.030	1.030
TSS .....	1.545	1.236
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

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

Pollutant or pollutant property	Maximum for any 1 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
Oil and grease .....	3.790	3.790
TSS .....	5.685	4.548
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(c) Subpart A—Drawing Spent Lubricant NSPS.

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
Oil and grease .....	0.85	0.85
TSS .....	1.275	1.020
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(d) Subpart A—Solution Heat Treatment NSPS.

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 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
Oil and grease .....	6.460	6.460
TSS .....	9.690	7.752
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(e) Subpart A—Extrusion Heat Treatment NSPS.

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
Oil and grease .....	0.020	0.020
TSS .....	0.030	0.024
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(f) Subpart A—Annealing with Water NSPS.

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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 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
Oil and grease .....	12.400	12.400
TSS .....	18.600	14.880
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

### (g) Subpart A—Annealing with Oil NSPS.

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
Oil and grease .....	0	0
TSS .....	0	0
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

### (h) Subpart A—Alkaline Cleaning Rinse NSPS.

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
Oil and grease .....	42.140	42.140
TSS .....	63.210	50.568
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

### (i) Subpart A—Alkaline Cleaning Rinse for Forged Parts NSPS.

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
Oil and grease .....	126.420	126.420
TSS .....	189.630	151.704
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

### (j) Subpart A—Alkaline Cleaning Bath NSPS.

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
Oil and grease .....	0.46	0.46
TSS .....	0.70	0.56
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

### (k) Subpart A—Pickling Rinse NSPS.

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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 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
Oil and grease .....	5.850	5.850
TSS .....	8.775	7.020
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

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

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
Oil and grease .....	17.550	17.550
TSS .....	26.325	21.060
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

**(m) Subpart A—Pickling Bath NSPS.**

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
Oil and grease .....	1.160	1.160
TSS .....	1.740	1.392
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

**(n) Subpart A—Pickling Fume Scrubber NSPS.**

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
Oil and grease .....	6.260	6.260
TSS .....	9.390	7.512
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

**(o) Subpart A—Tumbling or Burnishing NSPS.**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	Metric units—mg/off-kg of copper or copper 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
Oil and grease .....	5.830	5.830
TSS .....	8.745	6.996
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

**(p) Subpart A—Surface Coating NSPS.**

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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 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
Oil and grease .....	7.430	7.430
TSS .....	11.145	8.916
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

## (q) Subpart A—Miscellaneous Waste Streams NSPS.

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/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
Oil and grease .....	0.218	0.218
TSS .....	0.327	0.261
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

Within the range of 7.5 to 10.0 at all times.

[48 FR 36957, Aug. 15, 1983; 48 FR 50718, Nov. 3, 1983]

## § 468.14 Pretreatment standards for existing sources (PSES).

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) Subpart A—Hot Rolling Spent Lubricant PSES.

Pollutant or pollutant property	Maximum for any 1 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 .....	0.045	0.018
Copper .....	0.195	0.103
Lead .....	0.015	0.013
Nickel .....	0.197	0.130
Zinc .....	0.150	0.062
TTO .....	0.066	0.035
Oil and grease <sup>1</sup> .....	2.060	1.236

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

### (b) Subpart A—Cold Rolling Spent Lubricant PSES.

Pollutant or pollutant property	Maximum for any 1 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 .....	0.166	0.068
Copper .....	0.720	0.379
Lead .....	0.056	0.049
Nickel .....	0.727	0.481
Zinc .....	0.553	0.231
TTO .....	0.246	0.128
Oil and grease <sup>1</sup> .....	7.580	4.548

<sup>1</sup> For alternate monitoring

### (c) Subpart A—Drawing Spent Lubricant PSES.

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 .....	0.037	0.015
Copper .....	0.161	0.085
Lead .....	0.012	0.011
Nickel .....	0.163	0.107
Zinc .....	0.124	0.051
TTO .....	0.055	0.028
Oil and grease <sup>1</sup> .....	1.700	1.020

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