

**Environmental Protection Agency**

**§ 471.82**

**SUBPART H—BPT**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of zinc electrocoated	
Chromium .....	1.01	0.412
Copper .....	4.35	2.29
Cyanide .....	0.664	0.275
Zinc .....	3.35	1.40
Oil and grease .....	45.8	27.5
TSS .....	93.9	44.7
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(n) *Degreasing spent solvents—subpart H—BPT.* There shall be no discharge of process wastewater pollutants.

[50 FR 34270, Aug. 23, 1985; 51 FR 2888, Jan. 22, 1986]

**§ 471.82 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT).**

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 (BAT):

(a) *Rolling spent neat oils—subpart H—BAT.* There shall be no discharge of process wastewater pollutants.

(b) *Rolling spent emulsions.*

**SUBPART H—BAT**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of zinc rolled with emulsions	
Chromium .....	0.0005	0.0002
Copper .....	0.002	0.0009
Cyanide .....	0.0003	0.0001
Zinc .....	0.002	0.0006

(c) *Rolling contact cooling water.*

**SUBPART H—BAT**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of zinc rolled with contact cooling water	
Chromium .....	0.020	0.009
Copper .....	0.069	0.033
Cyanide .....	0.011	0.004
Zinc .....	0.055	0.023

(d) *Drawing spent emulsions.*

**SUBPART H—BAT**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of zinc drawn with emulsions	
Chromium .....	0.002	0.0009
Copper .....	0.008	0.004
Cyanide .....	0.001	0.0005
Zinc .....	0.006	0.003

(e) *Direct chill casting contact cooling water.*

**SUBPART H—BAT**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of zinc cast by the direct chill method	
Chromium .....	0.019	0.008
Copper .....	0.065	0.031
Cyanide .....	0.010	0.004
Zinc .....	0.052	0.021

(f) *Stationary casting contact cooling water—subpart H—BAT.* There shall be no discharge of process wastewater pollutants.

(g) *Heat treatment contact cooling water.*

**SUBPART H—BAT**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of zinc heat treated	
Chromium .....	0.029	0.012
Copper .....	0.098	0.047
Cyanide .....	0.016	0.006
Zinc .....	0.078	0.032

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(h) *Surface treatment spent baths.*

**SUBPART H—BAT**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of zinc surface treated	
Chromium .....	0.033	0.014
Copper .....	0.114	0.054
Cyanide .....	0.018	0.007
Zinc .....	0.091	0.038

(i) *Surface treatment rinse.*

**SUBPART H—BAT**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of zinc surface treated	
Chromium .....	0.133	0.054
Copper .....	0.457	0.219
Cyanide .....	0.072	0.029
Zinc .....	0.365	0.151

(j) *Alkaline cleaning spent baths.*

**SUBPART H—BAT**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of zinc alkaline cleaned	
Chromium .....	0.002	0.0006
Copper .....	0.005	0.002
Cyanide .....	0.0007	0.0003
Zinc .....	0.004	0.002

(k) *Alkaline cleaning rinse.*

**SUBPART H—BAT**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of zinc alkaline cleaned	
Chromium .....	0.626	0.254
Copper .....	2.17	1.03
Cyanide .....	0.338	0.135
Zinc .....	1.73	0.710

(l) *Sawing or grinding spent emulsions.*

**SUBPART H—BAT**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of zinc sawed or ground with emulsions	
Chromium .....	0.009	0.004
Copper .....	0.031	0.015
Cyanide .....	0.005	0.002
Zinc .....	0.025	0.010

(m) *Electrocoating rinse.*

**SUBPART H—BAT**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of zinc electrocoated	
Chromium .....	0.085	0.035
Copper .....	0.293	0.140
Cyanide .....	0.046	0.019
Zinc .....	0.234	0.096

(n) *Degreasing spent solvents—subpart H—BAT.* There shall be no discharge or process wastewater pollutants.

[50 FR 34270, Aug. 23, 1985; 51 FR 2888, Jan. 22, 1986]

**§ 471.83 New source performance standards (NSPS).**

Any new source subject to this subpart must achieve the following new source performance standards (NSPS):

(a) *Rolling spent neat oils—subpart H—NSPS.* There shall be no discharge of process wastewater pollutants.

(b) *Rolling spent emulsions.*

**SUBPART H—NSPS**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of zinc rolled with emulsions	
Chromium .....	0.0005	0.0002
Copper .....	0.002	0.0009
Cyanide .....	0.0003	0.0001
Zinc .....	0.002	0.0006
Oil and grease .....	0.014	0.014
TSS .....	0.021	0.017
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(c) *Rolling contact cooling water.*