

**Environmental Protection Agency**

**§ 420.97**

**SUBPART I**

Pollutant or pollutant property	Pretreatment standards for new sources	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	kg/kg (pounds per 1,000 lb) of product	
Chromium .....	0.000250	0.000100
Nickel .....	0.000225	0.0000751

(5) *Pipe, tube, and other products.*

**SUBPART I**

Pollutant or pollutant property	Pretreatment standards for new sources	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (pounds per 1,000 lb) of product	
Chromium .....	0.000418	0.000167
Nickel .....	0.000376	0.000125

(6) *Fume scrubber.*

**SUBPART I**

Pollutant or pollutant property	Pretreatment standards for new sources	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kilograms per day	
Chromium .....	0.0819	0.0327
Nickel .....	0.0735	0.0245

Note: The above limitations shall be applicable for each fume scrubber associated with combination acid pickling operations.

[47 FR 23284, May 27, 1982, as amended at 47 FR 41739, Sept. 22, 1982; 49 FR 21033, May 17, 1984]

**§ 420.97 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional technology (BCT).**

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 conventional technology.

(a) *Sulfuric acid pickling (spent acid solutions and rinse waters)—(1) Rod, wire and coil.*

**SUBPART I**

Pollutant or pollutant property	BCT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (pounds per 1,000 lb) of product	
TSS .....	0.0819	0.0350
O&G <sup>1</sup> .....	0.0350	0.0117
pH .....	( <sup>2</sup> )	( <sup>2</sup> )

<sup>1</sup>The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup>Within the range of 6.0 to 9.0.

(2) *Bar, billet and bloom.*

**SUBPART I**

Pollutant or pollutant property	BCT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (pounds per 1,000 lb) of product	
TSS .....	0.0263	0.0113
O&G <sup>1</sup> .....	0.0113	0.00376
pH .....	( <sup>2</sup> )	( <sup>2</sup> )

<sup>1</sup>The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup>Within the range of 6.0 to 9.0.

(3) *Strip, sheet and plate.*

**SUBPART I**

Pollutant or pollutant property	BCT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (pounds per 1,000 lb) of product	
TSS .....	0.0526	0.0225
O&G <sup>1</sup> .....	0.0225	0.00751
pH .....	( <sup>2</sup> )	( <sup>2</sup> )

<sup>1</sup>The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup>Within the range of 6.0 to 9.0.

(4) *Pipe, tube and other products.*

SUBPART I

Pollutant or pollutant property	BCT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kkg (pounds per 1,000 lb) of product	
TSS .....	0.146	0.0626
O&G <sup>1</sup> .....	0.0626	0.0209
pH .....	( <sup>2</sup> )	( <sup>2</sup> )

<sup>1</sup> The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup> Within the range of 6.0 to 9.0.

(5) *Fume scrubbers.*

SUBPART I

Pollutant or pollutant property	BCT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kilograms per day	
TSS .....	5.72	2.45
O&G <sup>1</sup> .....	2.45	0.819
pH .....	( <sup>2</sup> )	( <sup>2</sup> )

<sup>1</sup> The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup> Within the range of 6.0 to 9.0.

The above limitations shall be applicable to each fume scrubber associated with a sulfuric acid pickling operation.

(b) *Hydrochloric acid pickling (spent acid solutions and rinse waters)*—(1) *Rod, wire and coil.*

SUBPART I

Pollutant or pollutant property	BCT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kkg (pounds per 1,000 lb) of product	
TSS .....	0.143	0.0613
O&G <sup>1</sup> .....	0.0613	0.0204
pH .....	( <sup>2</sup> )	( <sup>2</sup> )

<sup>1</sup> The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup> Within the range of 6.0 to 9.0.

(2) *Strip, sheet and plate.*

SUBPART I

Pollutant or pollutant property	BCT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kkg (pounds per 1,000 lb) of product	
TSS .....	0.0819	0.0350
O&G <sup>1</sup> .....	0.0350	0.0117
pH .....	( <sup>2</sup> )	( <sup>2</sup> )

<sup>1</sup> The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup> Within the range of 6.0 to 9.0.

(3) *Pipe, tube and other products.*

SUBPART I

Pollutant or pollutant property	BCT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kkg (pounds per 1,000 lb) of product	
TSS .....	0.298	0.128
O&G <sup>1</sup> .....	0.128	0.0426
pH .....	( <sup>2</sup> )	( <sup>2</sup> )

<sup>1</sup> The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup> Within the range of 6.0 to 9.0.

(4) *Fume scrubbers.*

SUBPART I

Pollutant or pollutant property	BCT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kilograms per day	
TSS .....	5.72	2.45
O&G <sup>1</sup> .....	2.45	0.819
pH .....	( <sup>2</sup> )	( <sup>2</sup> )

<sup>1</sup> The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup> Within the range of 6.0 to 9.0.

The above limitations shall be applicable to each fume scrubber associated with a hydrochloric acid pickling operation.

(5) *Acid regeneration (absorber vent scrubber).*

SUBPART I

Pollutant or pollutant property	BCT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kilograms per day	
TSS .....	38.2	16.3
O&G <sup>1</sup> .....	16.3	5.45
pH .....	(2)	(2)

<sup>1</sup>The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup>Within the range of 6.0 to 9.0.

The above limitations shall be applicable to the absorber vent scrubber wastewater associated with hydrochloric acid regeneration plants.

(c) *Combination acid pickling (spent acid solution and rinse waters)—(1) Rod, wire, and coil.*

SUBPART I

Pollutant or pollutant property	BCT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kkg (pounds per 1,000 lb) of product	
TSS .....	0.149	0.0638
O&G <sup>1</sup> .....	0.0638	0.0213
pH .....	(2)	(2)

<sup>1</sup>The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup>Within the range of 6.0 to 9.0.

(2) *Bar, billet, and bloom.*

SUBPART I

Pollutant or pollutant property	BCT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kkg (pounds per 1,000 lb) of product	
TSS .....	0.0672	0.0288
O&G <sup>1</sup> .....	0.0288	0.00960
pH .....	(2)	(2)

<sup>1</sup>The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup>Within the range of 6.0 to 9.0.

(3) *Strip, sheet, and plate—continuous.*

SUBPART I

Pollutant or pollutant property	BCT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kkg (pounds per 1,000 lb) of product	
TSS .....	0.438	0.188
O&G <sup>1</sup> .....	0.188	0.0626
pH .....	(2)	(2)

<sup>1</sup>The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup>Within the range of 6.0 to 9.0.

(4) *Strip, sheet and plate—batch.*

SUBPART I

Pollutant or pollutant property	BCT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kkg (pounds per 1,000 lb) of product	
TSS .....	0.134	0.0576
O&G <sup>1</sup> .....	0.0576	0.0192
pH .....	(2)	(2)

<sup>1</sup>The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup>Within the range of 6.0 to 9.0.

(5) *Pipe, tube, and other products.*

SUBPART I

Pollutant or pollutant property	BCT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kkg (pounds per 1,000 lb) of product	
TSS .....	0.225	0.0964
O&G <sup>1</sup> .....	0.0964	0.0321
pH .....	(2)	(2)

<sup>1</sup>The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup>Within the range of 6.0 to 9.0.

(6) *Fume scrubbers.*

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SUBPART I

Pollutant or pollutant property	BCT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kilograms per day	
TSS .....	5.72	2.45
O&G <sup>1</sup> .....	2.45	0.819
pH .....	(2)	(2)

<sup>1</sup> The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup> Within the range of 6.0 to 9.0.

The above limitations shall be applicable to each fume scrubber associated with a combination acid pickling operation.

[47 FR 23284, May 27, 1982; 47 FR 41739, Sept. 22, 1982]

**Subpart J—Cold Forming Subcategory**

**§ 420.100 Applicability; description of the cold forming subcategory.**

(a) The provisions of this subpart are applicable to discharges and to the introduction of pollutants into publicly owned treatment works from cold rolling and cold working pipe and tube operations in which unheated steel is passed through rolls or otherwise processed to reduce its thickness, to produce a smooth surface, or to develop controlled mechanical properties in the steel.

(b) The limitations and standards set out below for cold worked pipe and tube operations shall be applicable only where cold worked pipe and tube wastewaters are discharged at steel plant sites. No limitations are applicable or allowable where these wastewaters are hauled off-site for disposal or are otherwise not discharged at steel plant sites. The limitations and standards set out below for cold worked pipe and tube operations shall be applicable only to the blowdown of soluble oil or water solutions used in cold worked pipe and tube forming operations. Limitations for other wastewater sources from these operations

must be established on a site-specific basis.

[47 FR 23284, May 27, 1982, as amended at 49 FR 21034, May 17, 1984]

**§ 420.101 Specialized definitions.**

(a) The term *recirculation* means those cold rolling operations which include recirculation of rolling solutions at all mill stands.

(b) The term *combination* means those cold rolling operations which include recirculation of rolling solutions at one or more mill stands, and once-through use of rolling solutions at the remaining stand or stands.

(c) The term *direct application* means those cold rolling operations which include once-through use of rolling solutions at all mill stands.

(d) The term *single stand* means those recirculation or direct application cold rolling mills which include only one stand of work rolls.

(e) The term *multiple stands* means those recirculation or direct application cold rolling mills which include more than one stand of work rolls.

(f) The term *cold worked pipe and tube* means those cold forming operations that process unheated pipe and tube products using either water or oil solutions for cooling and lubrication.

**§ 420.102 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT).**

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 practicable control technology currently available.

(a) *Cold rolling mills*—(1) *Recirculation—single stand.*