

§ 421.303

40 CFR Ch. I (7-1-00 Edition)

BPT LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of titanium pickled	
Chromium (total) .....	0.027	0.011
Lead .....	0.026	0.012
Nickel .....	0.117	0.077
Titanium .....	0.057	0.025
Oil and grease .....	1.220	0.732
Total suspended solids .....	2.501	1.190
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(l) Scrap milling wet air pollution control.

BPT LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of scrap milled	
Chromium (total) .....	0.995	0.407
Lead .....	0.950	0.452
Nickel .....	4.341	2.871
Titanium .....	2.125	0.927
Oil and grease .....	45.220	27.130
Total suspended solids .....	92.700	44.090
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(m) Scrap detergent wash water.

BPT LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of scrap washed	
Chromium (total) .....	7.948	3.252
Lead .....	7.587	3.613
Nickel .....	34.680	22.940
Titanium .....	16.980	7.406
Oil and grease .....	361.300	216.800
Total suspended solids .....	740.600	352.300
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(n) Casting crucible wash water.

BPT LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of titanium cast	
Chromium (total) .....	0.210	0.086
Lead .....	0.200	0.095
Nickel .....	0.916	0.606
Titanium .....	0.448	0.196
Oil and grease .....	9.540	5.724
Total suspended solids .....	19.560	9.302
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(o) Casting contact cooling water.

BPT LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of titanium cast	
Chromium (total) .....	321.100	131.400
Lead .....	306.500	145.900
Nickel .....	1,401.000	926.800
Titanium .....	685.900	299.200
Oil and grease .....	14,590.000	8,757.000
Total suspended solids .....	29,920.000	14,230.000
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

**§ 421.303 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.**

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable:

(a) Chlorination off-gas wet air pollution control.

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**BAT LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of TiCl <sub>4</sub> produced	
Chromium (total) .....	0.346	0.140
Lead .....	0.262	0.122
Nickel .....	0.515	0.346
Titanium .....	0.496	0.215

**(b) Chlorination area-vent wet air pollution control.**

**BAT LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of TiCl <sub>4</sub> produced	
Chromium (total) .....	0.385	0.156
Lead .....	0.291	0.135
Nickel .....	0.572	0.385
Titanium .....	0.551	0.239

**(c) TiCl<sub>4</sub> handling wet air pollution control.**

**BAT LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of TiCl <sub>4</sub> handled	
Chromium (total) .....	0.069	0.028
Lead .....	0.052	0.024
Nickel .....	0.103	0.069
Titanium .....	0.099	0.043

**(d) Reduction area wet air pollution control.**

**BAT LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of titanium produced	
Chromium (total) .....	1.528	0.620
Lead .....	1.156	0.537
Nickel .....	2.272	1.528

**BAT LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY—Continued**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Titanium .....	2.189	0.950

**(e) Melt cell wet air pollution control.**

**BAT LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of titanium produced	
Chromium (total) .....	0.787	0.319
Lead .....	0.595	0.276
Nickel .....	1.169	0.787
Titanium .....	1.127	0.489

**(f) Chlorine liquefaction wet air pollution control.**

**BAT LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of titanium produced	
Chromium (total) .....	11.010	4.463
Lead .....	8.332	3.868
Nickel .....	16.370	11.010
Titanium .....	15.770	6.844

**(g) Sodium reduction container re-conditioning wash water.**

**BAT LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of titanium produced	
Chromium (total) .....	0.474	0.192
Lead .....	0.359	0.167
Nickel .....	0.705	0.474
Titanium .....	0.679	0.295

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(h) Chip crushing wet air pollution control.

BAT LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of titanium produced	
Chromium (total) .....	0.848	0.344
Lead .....	0.642	0.298
Nickel .....	1.261	0.848
Titanium .....	1.215	0.527

(i) Acid leachate and rinse water.

BAT LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of titanium produced	
Chromium (total) .....	4.381	1.776
Lead .....	3.315	1.539
Nickel .....	6.512	4.381
Titanium .....	6.275	2.723

(j) Sponge crushing and screening wet air pollution control.

BAT LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of titanium produced	
Chromium (total) .....	0.239	0.097
Lead .....	0.181	0.084
Nickel .....	0.356	0.239
Titanium .....	0.343	0.149

(k) Acid pickle and wash water.

BAT LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of titanium pickled	
Chromium (total) .....	0.023	0.009
Lead .....	0.017	0.008
Nickel .....	0.034	0.023
Titanium .....	0.032	0.014

(l) Scrap milling wet air pollution control.

BAT LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of scrap milled	
Chromium (total) .....	0.084	0.034
Lead .....	0.064	0.030
Nickel .....	0.125	0.084
Titanium .....	0.120	0.052

(m) Scrap detergent wash water.

BAT LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of scrap washed	
Chromium (total) .....	6.684	2.710
Lead .....	5.058	2.348
Nickel .....	9.935	6.684
Titanium .....	9.574	4.155

(n) Casting crucible wash water.

BAT LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of titanium cast	
Chromium (total) .....	0.176	0.072
Lead .....	0.134	0.062
Nickel .....	0.262	0.176
Titanium .....	0.253	0.110

(o) Casting contact cooling water.

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**BAT LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of titanium cast	
Chromium (total) .....	27.000	10.950
Lead .....	20.430	9.486
Nickel .....	40.140	27.000
Titanium .....	38.68	16.78

**§ 421.304 Standards of performance for new sources.**

Any new source subject to this subpart shall achieve the following new source performance standards:

(a) Chlorination off-gas wet air pollution control.

**NSPS LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of TiCl <sub>4</sub> produced	
Chromium (total) .....	0.346	0.140
Lead .....	0.262	0.122
Nickel .....	0.515	0.346
Titanium .....	0.496	0.215
Oil and grease .....	9.360	9.360
Total suspended solids .....	14.040	11.230
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(b) Chlorination area-vent wet air pollution control.

**NSPS LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of TiCl <sub>4</sub> produced	
Chromium (total) .....	0.385	0.156
Lead .....	0.291	0.135
Nickel .....	0.572	0.385
Titanium .....	0.551	0.239
Oil and grease .....	10.400	10.400
Total suspended solids .....	15.600	12.480
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.0 to 10.0 at all times.

(c) TiCl<sub>4</sub> handling wet air pollution control.

**NSPS LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of TiCl <sub>4</sub> handled	
Chromium (total) .....	0.069	0.028
Lead .....	0.052	0.024
Nickel .....	0.103	0.069
Titanium .....	0.099	0.043
Oil and grease .....	1.870	1.870
Total suspended solids .....	2.805	2.244
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(d) Reduction area wet air pollution control.

**NSPS LIMITATIONS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of titanium produced	
Chromium (total) .....	1.528	0.620
Lead .....	1.156	0.537
Nickel .....	2.272	1.528
Titanium .....	2.189	0.950
Oil and grease .....	41.300	41.300
Total suspended solids .....	61.950	49.560
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(e) Melt cell wet air pollution control.

**NSPS FOR THE PRIMARY AND SECONDARY TITANIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of titanium produced	
Chromium (total) .....	0.787	0.319
Lead .....	0.595	0.276
Nickel .....	1.169	0.787
Titanium .....	1.127	0.489
Oil and grease .....	21.260	21.260
Total suspended solids .....	31.890	25.510
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(f) Chlorine liquefaction wet air pollution control.