

**Environmental Protection Agency**

**§ 421.322**

**§ 421.322 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.**

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 practicable technology currently available:

(a) Refinery sump filtrate.

**BPT LIMITATIONS FOR THE SECONDARY URANIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of uranium processed in the refinery	
Chromium .....	32.270	13.200
Copper .....	139.300	73.340
Nickel .....	140.800	93.140
Fluoride .....	2,567.000	1,459.000
Total suspended solids .....	3,007.000	1,430.000
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(b) Slag leach reslurry.

**BPT LIMITATIONS FOR THE SECONDARY URANIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of uranium processed in the refinery	
Chromium (total) .....	2.009	0.822
Copper .....	8.675	4.566
Nickel .....	8.767	5.799
Fluoride .....	159.800	90.860
Total suspended solids .....	187.200	89.040
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(c) Solvent extraction raffinate filtrate.

**BPT LIMITATIONS FOR THE SECONDARY URANIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of uranium processed in the refinery	
Chromium (total) .....	2.802	1.146
Copper .....	12.100	6.369
Nickel .....	12.230	8.089
Fluoride .....	222.900	126.700
Total suspended solids .....	261.100	124.200
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(d) Digestion wet air pollution control.

**BPT LIMITATIONS FOR THE SECONDARY URANIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of uranium processed in the refinery	
Chromium (total) .....	0.000	0.000
Copper .....	0.000	0.000
Nickel .....	0.000	0.000
Fluoride .....	0.000	0.000
Total suspended solids .....	0.000	0.000
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(e) Evaporation and denitration wet air pollution control.

**BPT LIMITATIONS FOR THE SECONDARY URANIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of uranium trioxide produced	
Chromium (total) .....	0.000	0.000
Copper .....	0.000	0.000
Nickel .....	0.000	0.000
Fluoride .....	0.000	0.000
Total suspended solids .....	0.000	0.000
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(f) Hydrofluorination alkaline scrubber.

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BPT LIMITATIONS FOR THE SECONDARY URANIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of uranium tetrafluoride produced	
Chromium (total) .....	0.009	0.004
Copper .....	0.038	0.020
Nickel .....	0.038	0.025
Fluoride .....	0.700	0.398
Total suspended solids .....	0.820	0.390
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(g) Hydrofluorination water scrubber.

BPT LIMITATIONS FOR THE SECONDARY URANIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of uranium tetrafluoride produced	
Chromium (total) .....	0.000	0.000
Copper .....	0.000	0.000
Nickel .....	0.000	0.000
Fluoride .....	0.000	0.000
Total suspended solids .....	0.000	0.000
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(h) Magnesium reduction and casting floor wash.

BPT LIMITATIONS FOR THE SECONDARY URANIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of uranium produced by magnesium reduction	
Chromium (total) .....	0.013	0.005
Copper .....	0.057	0.030
Nickel .....	0.058	0.038
Fluoride .....	1.054	0.599
Total suspended solids .....	1.234	0.587
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(i) Laundry wastewater.

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BPT LIMITATIONS FOR THE SECONDARY URANIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of uranium produced by magnesium reduction	
Chromium (total) .....	0.084	0.035
Copper .....	0.365	0.192
Nickel .....	0.369	0.244
Fluoride .....	6.720	3.821
Total suspended solids .....	7.872	3.744
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

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(a) Refinery sump filtrate.

BAT LIMITATIONS FOR THE SECONDARY URANIUM SUBCATEGORY

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	mg/kg (pounds per million pounds) of uranium processed in the refinery	
Chromium (total) .....	27.14	11.00
Copper .....	93.88	44.74
Nickel .....	40.34	27.14
Fluoride .....	2,567.00	1,459.00

(b) Slag leach reslurry.

BAT LIMITATIONS FOR THE SECONDARY URANIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of uranium processed in the refinery	
Chromium (total) .....	1.689	0.685
Copper .....	5.844	2.785
Nickel .....	2.511	1.689
Fluoride .....	159.800	90.860