

§ 421.324

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

(e) Evaporation and denitration wet air pollution control.

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 trioxide produced	
Chromium (total) .....	0.000	0.000
Copper .....	0.000	0.000
Nickel .....	0.000	0.000
Fluoride .....	0.000	0.000

(f) Hydrofluorination alkaline scrubber.

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 tetrafluoride produced	
Chromium (total) .....	0.007	0.003
Copper .....	0.026	0.012
Nickel .....	0.011	0.007
Fluoride .....	0.700	0.398

(g) Hydrofluorination water scrubber.

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 tetrafluoride produced	
Chromium (total) .....	0.000	0.000
Copper .....	0.000	0.000
Nickel .....	0.000	0.000
Fluoride .....	0.000	0.000

(h) Magnesium reduction and casting floor wash.

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 produced by magnesium reduction	
Chromium (total) .....	0.011	0.005
Copper .....	0.039	0.018
Nickel .....	0.017	0.011
Fluoride .....	1.054	0.599

(i) Laundry wastewater.

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 produced by magnesium reduction	
Chromium (total) .....	0.036	0.014
Copper .....	0.123	0.059
Nickel .....	0.053	0.036
Fluoride .....	3.360	1.910

§ 421.324 Standards of performance for new sources.

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

(a) Refinery sump filtrate.

NSPS 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) .....	27.14	11.00
Copper .....	93.88	44.74
Nickel .....	40.34	27.14
Fluoride .....	2,567.00	1,459.00
Total suspended solids .....	1,100.00	880.10
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.

**Environmental Protection Agency**

**§ 421.324**

**NSPS 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
Total suspended solids .....	68.490	54.790
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.

**NSPS 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) .....	2.357	0.955
Copper .....	8.152	3.885
Nickel .....	3.503	2.357
Fluoride .....	222.900	126.700
Total suspended solids .....	95.540	76.430
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.

**NSPS 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

**NSPS 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.

**NSPS 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) .....	0.007	0.003
Copper .....	0.026	0.012
Nickel .....	0.011	0.007
Fluoride .....	0.700	0.398
Total suspended solids .....	0.300	0.240
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.

**NSPS 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.

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NSPS 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) .....	0.011	0.005
Copper .....	0.039	0.018
Nickel .....	0.017	0.011
Fluoride .....	1.054	0.599
Total suspended solids .....	0.452	0.361
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.

NSPS FOR THE SECONDARY URANIUM  
SUBCATEGORY

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	mg/kg (pounds per million pounds) of uranium produced by magnesium reduction	
Chromium (total) .....	0.036	0.014
Copper .....	0.123	0.059
Nickel .....	0.053	0.036
Fluoride .....	3.360	1.910
Total suspended solids .....	1.440	1.152
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

§ 421.325 [Reserved]

§ 421.326 Pretreatment standards for new sources.

Except as provided in 40 CFR 403.7, any new 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 new sources. The mass of wastewater pollutants in secondary uranium process wastewater introduced into a POTW shall not exceed the following values:

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

(a) Refinery sump filtrate.

PSNS FOR THE SECONDARY URANIUM  
SUBCATEGORY

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Fluoride .....	159.800	90.860

(c) Solvent extraction raffinate filtrate.

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(d) Digestion wet air pollution control.