

§ 421.187

PSNS FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds of germanium hydrolyzed)	
Arsenic .....	39.440	17.550
Lead .....	7.925	3.774
Zinc .....	27.550	11.510
Fluoride .....	660.500	375.500

(d) Acid Wash and Rinse Water.

PSNS FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds of germanium washed)	
Arsenic .....	325.50	144.80
Lead .....	65.40	31.14
Zinc .....	227.40	94.99
Fluoride .....	5,450.00	3,099.00

(e) Gallium Hydrolysis Filtrate.

PSNS FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of gallium hydrolyzed	
Arsenic .....	70.450	31.350
Lead .....	14.160	6.742
Zinc .....	49.220	20.560
Fluoride .....	1,180.000	670.800

(f) Solvent Extraction Raffinate.

PSNS FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of gallium produced by solvent extraction	
Arsenic .....	39.330	17.500
Lead .....	7.904	3.764
Zinc .....	27.480	11.480
Fluoride .....	658.700	374.500

§ 421.187 [Reserved]

Subpart Q—Secondary Indium Subcategory

SOURCE: 50 FR 38353, Sept. 20, 1985, unless otherwise noted.

§ 421.190 Applicability: Description of the secondary indium subcategory.

The provisions of this subpart are applicable to discharges resulting from the production of indium at secondary indium facilities processing spent electrolyte solutions and scrap indium metal raw materials.

§ 421.191 Specialized definitions.

For the purpose of this subpart the general definitions, abbreviations, and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

§§ 421.192–421.193 [Reserved]

§ 421.194 Standards of performance for new sources.

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

(a) Displacement Supernatant.

NSPS FOR THE SECONDARY INDIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of indium metal produced	
Cadmium .....	2.105	0.929
Lead .....	2.600	1.238
Zinc .....	9.037	3.776
Indium .....	2.724	1.114
Total suspended solids .....	253.800	120.700
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(b) Spent Electrolyte.

NSPS FOR THE SECONDARY INDIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of cathode indium produced	
Cadmium .....	12.170	5.370
Lead .....	15.040	7.160

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**NSPS FOR THE SECONDARY INDIUM  
SUBCATEGORY—Continued**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Zinc .....	52.270	21.840
Indium .....	15.750	6.444
Total suspended solids .....	1,468.000	698.100
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

**§ 421.195 Pretreatment standards for existing sources.**

Except as provided in 40 CFR 403.7 and 403.13, any existing 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 existing sources. The mass of wastewater pollutants in secondary indium process wastewater introduced into a POTW must not exceed the following values:

(a) Displacement Supernatant.

**PSES FOR THE SECONDARY INDIUM  
SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of indium metal produced	
Cadmium .....	2.105	0.929
Lead .....	2.600	1.238
Zinc .....	9.037	3.776
Indium .....	2.724	1.114

(b) Spent Electrolyte.

**PSES FOR THE SECONDARY INDIUM  
SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of cathode indium produced	
Cadmium .....	12.170	5.370
Lead .....	15.040	7.160
Zinc .....	52.270	21.840
Indium .....	15.750	6.444

**§ 421.196 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 indium process wastewater introduced into a POTW should not exceed the following values:

(a) Displacement Supernatant.

**PSNS FOR THE SECONDARY INDIUM  
SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of indium metal produced	
Cadmium .....	2.105	0.929
Lead .....	2.600	1.238
Zinc .....	9.037	3.776
Indium .....	2.724	1.114

(b) Spent Electrolyte.

**PSNS FOR THE SECONDARY INDIUM  
SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of cathode indium produced	
Cadmium .....	12.170	5.370
Lead .....	15.040	7.160
Zinc .....	52.270	21.840
Indium .....	15.750	6.444

**§ 421.197 [Reserved]**

**Subpart R—Secondary Mercury  
Subcategory**

SOURCE: 50 FR 38354, Sept. 20, 1985, unless otherwise noted.

**§ 421.200 Applicability: Description of the secondary mercury subcategory.**

The provision of this subpart are applicable to discharges resulting from the production of mercury from secondary mercury facilities processing recycled mercuric oxide batteries and other mercury containing scrap raw materials.

**§ 421.201 Specialized definitions.**

For the purpose of this subpart the general definitions, abbreviations, and