

40 C.F.R. § 471.93

New source performance standards (NSPS).

Any new source subject to this subpart must achieve the following new source performance standards (NSPS). The mass of pollutant in the zirconium-hafnium process wastewater shall not exceed the following values:

- (a) *Rolling spent neat oils—subpart I—NSPS.* There shall be no discharge of process wastewater pollutants.
- (b) *Drawing spent lubricants—subpart I—NSPS.* There shall be no discharge of process wastewater pollutants.
- (c) *Extrusion spent emulsions—subpart I—NSPS.* There shall be no discharge of process wastewater pollutants.
- (d) *Extrusion press hydraulic fluid leakage.*

Subpart I—NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/off-kg (pounds per million off-pounds) of zirconium-hafnium extruded	
Chromium	0.104	0.043
Cyanide	0.069	0.029
Nickel	0.455	0.301
Ammonia	31.6	13.9
Fluoride	14.1	6.26
Oil and grease	4.74	2.85
TSS	9.72	4.62
pH	(1)	(1)

¹ Within the range of 7.5 to 10.0 at all times.

- (e) *Swaging spent neat oils—subpart I—NSPS.* There shall be no discharge of process wastewater pollutants.
- (f) *Heat treatment contact cooling water.*

Subpart I—NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
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	mg/off-kg (pounds per million off-pounds) of zirconium-hafnium heat treated	
Chromium	0.015	0.006
Cyanide	0.010	0.004
Nickel	0.066	0.044
Ammonia	4.57	2.01
Fluoride	2.04	0.906
Oil and grease	0.686	0.412
TSS	1.41	0.669
pH	(1)	(1)

¹ Within the range of 7.5 to 10.0 at all times.

(g) *Tube Reducing Spent Lubricant—subpart I—NSPS*: (1) There shall be no discharge of process wastewater pollutants except as provided under paragraph (g)(2) of this section.

(2) Process wastewater pollutants may be discharged, with no allowance for any pollutants discharged, provided the facility owner or operator demonstrates, on the basis of analytical methods set forth in or approved pursuant to 40 CFR part 136, that the concentrations of nitrosamine compounds in the wastewater discharged from the tube reducing process do not exceed 0.050 mg/l of N-nitrosodimethylamine, 0.020 mg/l of N-nitrosodiphenylamine, and 0.020 mg/l of N-nitrosodi-n-propylamine.

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