

Environmental Protection Agency

§ 420.134

§ 420.130 Applicability.

The provisions of this subpart are applicable to discharges to waters of the U.S. and the introduction of pollutants into publicly owned treatment works resulting from production of direct-reduced iron and from briquetting and forging operations.

§ 420.131 Specialized definitions.

As used in this subpart:

(a) The term *briquetting operations* means a hot or cold process that agglomerates (presses together) iron-bearing materials into small lumps without melting or fusion. Used as a concentrated iron ore substitute for scrap in electric furnaces.

(b) The term *direct-reduced iron (DRI)* means iron produced by reduction of iron ore (pellets or briquettes) using gaseous (carbon monoxide-carbon dioxide, hydrogen) or solid reactants.

(c) The term *forging* means the hot-working of heated steel shapes (e.g., ingots, blooms, billets, slabs) by hammering or hydraulic presses, performed at iron and steel mills.

(d) For briquetting operations, the term product means the amount in tons of briquettes manufactured by hot or cold agglomeration processes.

(e) For direct reduced iron (DRI), the term product means the amount of direct reduced iron and any fines that are produced and sold commercially (as opposed to fines that may be reprocessed on site).

(f) For forging, the term product means the tons of finished steel forgings produced by hot working steel shapes.

(g) The term *O&G (as HEM)* means total recoverable oil & grease measured as n-hexane extractable materials.

§ 420.132 Effluent limitations attainable by the application of the best practicable control technology currently available (BPT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve, for each applicable segment, the following effluent limitations representing the degree of effluent reduction attainable by the application of

the best practicable control technology currently available (BPT):

(a) *Direct-reduced iron.*

SUBPART M—EFFLUENT LIMITATIONS (BPT)

Pollutant	Maximum daily ¹	Maximum monthly avg. ¹
TSS	0.00998	0.00465
pH	(²)	(²)

¹ Pounds per thousand pound of product.
² Within the range of 6.0 to 9.0.

(b) *Forging operations.*

SUBPART M—EFFLUENT LIMITATIONS (BPT)

Pollutant	Maximum daily ¹	Maximum monthly avg. ¹
O&G (as HEM)	0.00746	0.00446
TSS	0.0123	0.00508
pH	(²)	(²)

¹ Pounds per thousand pound of product.
² Within the range of 6.0 to 9.0.

(c) *Briquetting.* There shall be no discharge of process wastewater pollutants to waters of the U.S.

§ 420.133 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT).

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

(a) *Direct-reduced iron.* [Reserved]

(b) *Forging operations.* [Reserved]

(c) *Briquetting.* There shall be no discharge of process wastewater pollutants.

§ 420.134 New source performance standards (NSPS).

New sources subject to this subpart must achieve the following new source performance standards (NSPS), as applicable.

(a) *Direct-reduced iron.*

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SUBPART M—NEW SOURCE PERFORMANCE STANDARDS (NSPS)

Pollutant	Maximum daily ¹	Maximum monthly avg. ¹
TSS	0.00998	0.00465
pH	(²)	(²)

¹ Pounds per thousand pound of product.
² Within the range of 6.0 to 9.0.

(b) *Forging operations.*

SUBPART M—NEW SOURCE PERFORMANCE STANDARDS (NSPS)

Pollutant	Maximum daily ¹	Maximum monthly avg. ¹
O&G (as HEM)	0.00746	0.00446
TSS	0.0123	0.00508
pH	(²)	(²)

¹ Pounds per thousand pound of product.
² Within the range of 6.0 to 9.0.

(c) *Briquetting.* There shall be no discharge of process wastewater pollutants to waters of the U.S.

§ 420.135 Pretreatment standards for existing sources (PSES).

Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart that introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and must achieve the following pretreatment standards for existing sources (PSES):

- (a) *Direct-reduced iron.* [Reserved]
- (b) *Forging operations.* [Reserved]

(c) *Briquetting.* There shall be no discharge of process wastewater pollutants to POTWs.

§ 420.136 Pretreatment standards for new sources (PSNS).

Except as provided in 40 CFR 403.7, any new source subject to this subpart that introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and must achieve the following pretreatment standards for new sources (PSNS):

- (a) *Direct-reduced iron.* [Reserved]
- (b) *Forging operations.* [Reserved]

(c) *Briquetting.* There shall be no discharge of process wastewater pollutants to POTWs.

40 CFR Ch. I (7–1–06 Edition)

§ 420.137 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best control technology for conventional pollutants (BCT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best control technology for conventional pollutants (BCT): The limitations shall be the same as those specified for conventional pollutants (which are defined in 40 CFR 401.16) in § 420.132 for the best practicable control technology currently available (BPT).

PART 421—NONFERROUS METALS MANUFACTURING POINT SOURCE CATEGORY

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