

Environmental Protection Agency

§ 455.22

(e) In the case of lead and total cyanide, the discharge quantity (mass) shall be determined by multiplying the concentrations listed in the applicable tables in this subpart times the flow from non-complexed lead-bearing waste streams for lead and times the flow from non-complexed cyanide-bearing waste streams for total cyanide. Discharges of cyanide in cyanide-bearing waste streams are not subject to the cyanide limitation and standards of this subpart if the permit writer or control authority determines that the cyanide limitations and standards are not achievable due to elevated levels of non-amenable cyanide (*i.e.*, cyanide that is not oxidized by chlorine treatment) that result from the unavoidable complexing of cyanide at the process source of the cyanide-bearing waste stream and establishes an alternative total cyanide or amenable cyanide limitation that reflects the best available technology economically achievable. The determination must be based upon a review of relevant engineering, production, and sampling and analysis information, including measurements of both total and amenable cyanide in the waste stream. An analysis of the extent of complexing in the waste stream, based on the foregoing information, and its impact on cyanide treatability shall be set forth in writing and, for direct dischargers, be contained in the fact sheet required by 40 CFR 124.8.

[43 FR 44846, Sept. 29, 1978, as amended at 50 FR 40702, Oct. 4, 1985; 51 FR 44911, Dec. 15, 1986; 58 FR 50689, Sept. 28, 1993]

§ 455.21 Specialized definitions.

(a) *Organic active ingredients* means carbon-containing active ingredients used in pesticides, excluding metalloorganic active ingredients.

(b) *Total organic active ingredients* means the sum of all organic active ingredients covered by §455.20(a) which are manufactured at a facility subject to this subpart.

(c) *Organic pesticide chemicals* means the sum of all organic active ingredients listed in §455.20(b) which are manufactured at a facility subject to this subpart.

(d) *Process wastewater flow* means the sum of the average daily flows from the

following wastewater streams: Process stream and product washes, equipment and floor washes, water used as solvent for raw materials, water used as reaction medium, spent acids, spent bases, contact cooling water, water of reaction, air pollution control blowdown, steam jet blowdown, vacuum pump water, pump seal water, safety equipment cleaning water, shipping container cleanout, safety shower water, contaminated storm water, and product/process laboratory quality control wastewater. Notwithstanding any other regulation, process wastewater flow for the purposes of this subpart does not include wastewaters from the production of intermediate chemicals.

(e) *Process wastewater pollutants* means those pollutants present in process wastewater flow.

[43 FR 44846, Sept. 29, 1978, as amended at 58 FR 50689, Sept. 28, 1993]

§ 455.22 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 §§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 control technology currently available (BPT). The following limitations establish the quantity or quality of pollutants or pollutant properties controlled by this paragraph which may be discharged from the manufacture of organic active ingredient:

Effluent characteristics	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
COD	13.000	9.0000
BOD ₅	7.400	1.6000
TSS	6.100	1.8000
Organic pesticide chemicals	.010	.0018
pH	(¹)	(¹)

¹ Within the range of 6.0 to 9.0.

NOTE: For COD, BOD₅, and TSS, metric units: Kilogram/1,000 kg of total organic active ingredients. English units: Pound/1,000 lb of total organic active ingredients. For organic pesticide chemicals—metric units: Kilogram/1,000 kg of organic pesticide chemicals. English units: Pound/1,000 lb of organic pesticide chemicals.

§ 455.23

[43 FR 44846, Sept. 29, 1978, as amended at 60 FR 33971, June 29, 1995]

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

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology: The limitations for BOD, TSS and pH are the same as those specified in 40 CFR 455.22.

BCT EFFLUENT LIMITATIONS
Effluent Limitations

Pollutant or pollutant property	Maximum for any one day**	Average of daily values shall not exceed**
BOD ₅	7.400	1.6000
TSS	6.100	1.8000
pH	*	*

* Within the range 6.0 to 9.0
** Metric units: Kilogram pollutant/1,000 kg of total organic active ingredients.
English units: Pound pollutant/1,000 lb of total organic active ingredients

[58 FR 50689, Sept. 28, 1993]

§ 455.24 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available control 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 effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology as specified in 40 CFR 455.20(d). For the priority pollutants, such sources must achieve discharges not exceeding the quantity (mass) determined by multiplying the process wastewater flow subject to this subpart as defined in 40 CFR 455.21 (d) times the concentrations listed in table 4 or table 5 of this part, as appropriate, of this subpart.

[58 FR 50690, Sept. 28, 1993]

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§ 455.25 New source performance standards (NSPS).

(a) Any new source subject to this subpart which discharges process wastewater pollutants must achieve the new source performance standards specified in 40 CFR 455.20(d), and subject to 455.20(a), must meet the following standards for BOD₅, TSS, COD and pH:

NEW SOURCE PERFORMANCE STANDARDS
Standards

Pollutant or pollutant property	Maximum for any one day**	Average of daily values shall not exceed**
COD	9.360	6.480
BOD ₅	5.328	1.1520
TSS	4.392	1.2960
pH	*	*

* Within the range 6.0 to 9.0
** Metric units: Kilogram pollutant /1,000 kg of total organic active ingredients.
English units: Pound pollutant/1,000 lb of total organic active ingredients

(b) For the priority pollutants, such sources must achieve discharges not exceeding the quantity (mass) determined by multiplying the process wastewater flow subject to this subpart as defined in 40 CFR 455.21(d) times the concentrations listed in table 4 or table 5 of this part, as appropriate, of this subpart.

[58 FR 50690, Sept. 28, 1993]

§ 455.26 Pretreatment standards for existing sources (PSES).

Except as provided in 40 CFR 403.7, 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 pretreatment standards for existing sources (PSES) as specified in 40 CFR 455.20(d). For the priority pollutants, such sources must achieve discharges not exceeding the quantity (mass) determined by multiplying the process wastewater flow subject to this subpart as defined in 40 CFR 455.21(d) times the concentrations listed in Table 6 of this part. If mass limitations have not been developed as required, the source shall achieve discharges not exceeding the concentration limitations listed in Table 6 of this part.

[58 FR 50690, Sept. 28, 1993]