

such as plant roots and leaves, animal glands, and parasitic fungi by chemical and physical extraction.

(b) *Product* means any substance manufactured by an extraction process, including blood fractions, vaccines, serums, animal bile derivatives, endocrine products and medicinal products such as alkaloids that are isolated from botanical drugs and herbs.

14. Section 439.22 is amended by revising paragraphs (a) introductory text and (b) through (d) to read as follows:

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

* * * * *

(a) The limitation for BOD₅ is the same as specified in § 439.12(a). No facility shall be required to attain a monthly average limitation for BOD₅ that is less than the equivalent of 45 mg/L.

* * * * *

(b) The limitation for TSS is the same as specified in § 439.12(b).

(c) Except for the provisions in paragraph (d) of this section, the limitations for COD are as follows:

EFFLUENT LIMITATIONS (BPT)

Regulated parameter	Maximum daily ¹	Maximum monthly average ¹
COD	228	86

¹ mg/L (ppm)

(d) If the maximum monthly average COD concentration in paragraph (c) of this section is higher than a concentration value reflecting a reduction in the long-term average daily COD load in the raw (untreated) process wastewater of 74 percent multiplied by a variability factor of 2.2, then a monthly average limitation for COD corresponding to the lower concentration value must be applied.

15. Section 439.25 is revised to read as follows:

§ 439.25 New source performance standards (NSPS).

(a) Any new source subject to this subpart must achieve the following standards:

PERFORMANCE STANDARDS (NSPS)

Regulated parameter	Maximum daily ¹	Maximum monthly average ¹
BOD ₅	35	18
TSS	58	31

PERFORMANCE STANDARDS (NSPS)—Continued

Regulated parameter	Maximum daily ¹	Maximum monthly average ¹
COD	228	86

¹ mg/L (ppm)

(b) Any new source subject to the provisions of this section that commenced discharging after November 21, 1988, and prior to November 20, 1998, must continue to achieve the standards specified for this section in the 1988 edition of 40 CFR part 439, until the expiration of the applicable time period specified in 40 CFR 122.29(d)(1), after which the source must achieve the standards specified in §§ 439.23 and 439.24.

16. Section 439.26 is revised to read as follows:

§ 439.26 Pretreatment standards for existing sources (PSES).

Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart must achieve the following standards by September 21, 2001:

PRETREATMENT STANDARDS (PSES)

Regulated parameter	Maximum daily ¹	Maximum monthly average ¹
Acetone	20.7	8.2
n-Amyl acetate	20.7	8.2
Ethyl acetate	20.7	8.2
Isopropyl acetate	20.7	8.2
Methylene chloride ...	3.0	0.7

¹ mg/L (ppm).

17. Section 439.27 is revised to read as follows:

§ 439.27 Pretreatment standards for new sources (PSNS).

(a) Except as provided in 40 CFR 403.7, any new source subject to this subpart that commenced discharge on November 20, 1998, or thereafter must achieve the same standards as specified in § 439.26.

(b) Except as provided in 40 CFR 403.7, any new source subject to this subpart that commenced discharging after November 21, 1988, and prior to November 20, 1998, must continue to achieve the pretreatment standards specified for this section in the 1988 edition of 40 CFR part 439 during a ten-year period beginning on the date the source commenced discharge, or during the period of depreciation or amortization of the facility, whichever comes first, after which the source must

achieve the same standards as specified in § 439.26.

18. Revise the heading of Subpart C to read as follows:

Subpart C—Chemical Synthesis Products

19. Section 439.31 is revised, including the section heading, to read as follows:

§ 439.31 Special definitions.

For the purpose of this subpart:

(a) *Chemical synthesis* means using one or a series of chemical reactions in the manufacturing process of a specified product.

(b) *Product* means any pharmaceutical product manufactured by chemical synthesis.

20. Section 439.32 is amended by revising paragraphs (a) through (d) and removing paragraphs (e) through (g) to read as follows:

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

* * * * *

(a) The limitation for BOD₅ is the same as specified in § 439.12(a).

(b) The limitation for TSS is the same as specified in § 439.12(b).

(c) The limitations for COD are the same as specified in § 439.12(c) and (d).

(d) The limitations for cyanide are the same as specified in § 439.12(e), (f) and (g).

* * * * *

21. Section 439.34 is revised to read as follows:

§ 439.34 Effluent limitations attainable by the application of 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 application of BAT:

(a) The limitations are the same as specified in § 439.14(a).

(b) The limitations for COD are the same as specified in § 439.12(c) and (d).

(c) The limitations for cyanide are the same as specified in § 439.12(e), (f) and (g).

22. Section 439.35 is revised to read as follows:

§ 439.35 New source performance standards (NSPS).

(a) Any new source subject to this subpart must achieve the same standards as specified in § 439.15(a).

(b) The limitations for cyanide are the same as specified in § 439.12(e), (f) and (g).