

## EFFLUENT LIMITATIONS (BAT)

Regulated parameter	Maximum daily <sup>1</sup>	Maximum monthly average <sup>1</sup>
Ammonia (as N) ...	84.1	29.4
Acetone .....	0.5	0.2
4-methyl-2-pentanone .....	0.5	0.2
Isobutyraldehyde ..	1.2	0.5
n-Amyl acetate .....	1.3	0.5
n-Butyl acetate .....	1.3	0.5
Ethyl acetate .....	1.3	0.5
Isopropyl acetate ..	1.3	0.5
Methyl formate .....	1.3	0.5
Amyl alcohol .....	10.0	4.1
Ethanol .....	10.0	4.1
Isopropanol .....	3.9	1.6
Methanol .....	10.0	4.1
Methyl Cellosolve ..	100.0	40.6
Dimethyl sulfoxide ..	91.5	37.5
Triethyl amine .....	250.0	102.0
Phenol .....	0.05	0.02
Benzene .....	0.05	0.02
Toluene .....	0.06	0.02
Xylenes .....	0.03	0.01
n-Hexane .....	0.03	0.02
n-Heptane .....	0.05	0.02
Methylene chloride ..	0.9	0.3
Chloroform .....	0.02	0.13
1,2-dichloroethane ..	0.4	0.1
Chlorobenzene .....	0.15	0.06
o-Dichlorobenzene ..	0.15	0.06
Tetrahydrofuran ....	8.4	2.6
Isopropyl ether .....	8.4	2.6
Diethyl amine .....	250.0	102.0
Acetonitrile .....	25.0	10.2

<sup>1</sup> mg/L (ppm).

(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).

9. Section 439.15 is revised to read as follows:

**§ 439.15 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 <sup>1</sup>	Maximum monthly average <sup>1</sup>
BOD <sub>5</sub> .....	267	111
TSS .....	472	166
COD .....	1675	856
Ammonia (as N) ...	84.1	29.4
Acetone .....	0.5	0.2
4-methyl-2-pentanone .....	0.5	0.2
Isobutyraldehyde ..	1.2	0.5
n-Amyl acetate .....	1.3	0.5
n-Butyl acetate .....	1.3	0.5
Ethyl acetate .....	1.3	0.5
Isopropyl acetate ..	1.3	0.5
Methyl formate .....	1.3	0.5
Amyl alcohol .....	10.0	4.1
Ethanol .....	10.0	4.1

## PERFORMANCE STANDARDS (NSPS)—Continued

Regulated parameter	Maximum daily <sup>1</sup>	Maximum monthly average <sup>1</sup>
Isopropanol .....	3.9	1.6
Methanol .....	10.0	4.1
Methyl Cellosolve ..	100.0	40.6
Dimethyl sulfoxide ..	91.5	37.5
Triethyl amine .....	250.0	102.0
Phenol .....	0.05	0.02
Benzene .....	0.05	0.02
Toluene .....	0.06	0.02
Xylenes .....	0.03	0.01
n-Hexane .....	0.03	0.02
n-Heptane .....	0.05	0.02
Methylene chloride ..	0.9	0.3
Chloroform .....	0.02	0.13
1,2-dichloroethane ..	0.4	0.1
Chlorobenzene .....	0.15	0.06
o-Dichlorobenzene ..	0.15	0.06
Tetrahydrofuran ....	8.4	2.6
Isopropyl ether .....	8.4	2.6
Diethyl amine .....	250.0	102.0
Acetonitrile .....	25.0	10.2

<sup>1</sup> mg/L (ppm)

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

(c) 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 §§ 439.13 and 439.14.

10. Section 439.16 is revised to read as follows:

**§ 439.16 Pretreatment standards for existing sources (PSES).**

(a) Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart must continue achieving the standards for cyanide specified in paragraph (c) of this section and must achieve the following standards by September 21, 2001:

## PRETREATMENT STANDARDS (PSES)

Regulated parameter	Maximum daily <sup>1</sup>	Maximum monthly average <sup>1</sup>
Ammonia (as N) <sup>2</sup> ...	84.1	29.4
Acetone .....	20.7	8.2
4-methyl-2-pentanone .....	20.7	8.2
Isobutyraldehyde ....	20.7	8.2
n-Amyl acetate .....	20.7	8.2
n-Butyl acetate .....	20.7	8.2
Ethyl acetate .....	20.7	8.2
Isopropyl acetate ....	20.7	8.2
Methyl formate .....	20.7	8.2

## PRETREATMENT STANDARDS (PSES)—Continued

Regulated parameter	Maximum daily <sup>1</sup>	Maximum monthly average <sup>1</sup>
Isopropyl ether .....	20.7	8.2
Tetrahydrofuran .....	9.2	3.4
Benzene .....	3.0	0.7
Toluene .....	0.3	0.2
Xylenes .....	3.0	0.7
n-Heptane .....	3.0	0.7
n-Hexane .....	3.0	0.7
Methylene chloride ..	3.0	0.7
Chloroform .....	0.1	0.03
1,2-dichloroethane ..	20.7	8.2
Chlorobenzene .....	3.0	0.7
o-Dichlorobenzene ..	20.7	8.2
Diethyl amine .....	255.0	100.0
Triethyl amine .....	255.0	100.0

<sup>1</sup> mg/L (ppm)

<sup>2</sup> Not applicable to sources that discharge to a POTW with nitrification capability.

(b) Sources that discharge to a POTW with nitrification capability (defined at § 439.1(i)) are not required to achieve the pretreatment standard for ammonia (as N).

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

11. Section 439.17 is revised to read as follows:

**§ 439.17 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 § 439.16.

(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 § 439.16.

12. Revise the heading of subpart B to read as follows:

**Subpart B—Extraction Products**

13. Section 439.21 is revised to read as follows:

**§ 439.21 Special definitions.**

For the purpose of this subpart:

(a) *Extraction* means process operations that derive pharmaceutically active ingredients from natural sources