**Section 307.2406 Bulk Organic Chemicals**

a) Applicability. This Section applies to discharges of process wastewater resulting from the manufacture of the products classified under SIC 2865 or 2869, bulk organic chemicals and bulk organic chemical groups, as defined in the Standard Industrial Classification Manual, incorporated by reference in 35 Ill. Adm. Code 310.107, listed in this subsection. Product groups are indicated with an asterisk (\*).

1) Aliphatic Organic Chemicals

\*Acetic acid esters

\*Acetic acid salts

Acetone cyanohydrin

Acetylene

Acrylic acid

\*Acrylic acid esters

n-alkanes

\*Alkylates

Butane (all forms)

1-Butene

1,4-Butanediol

2-Butene (cis and trans)

n-butyl acetate

n-butyl alcohol

sec-butyl alcohol

tert-butyl alcohol

n-butyraldehyde

n-butyric acid

n-butyric anhydride

C4 hydrocarbons (unsaturated)

Calcium stearate

Caprolactam

Carboxymethyl cellulose

Cellulose acetate butyrates

\*Cellulose ethers

Cumene hydroperoxide

Cyclohexanol

Cyclohexanol-cyclohexanone (mixed)

Cyclohexanone

Cyclohexene

\*C12-C18 primary alcohols (mixed)

\*C5 concentrates

\*C9 concentrates

Decanol

Diacetone alcohol

\*Dicarboxylic acids-salts

Diethyl ether

Diethylene glycol

Diethylene glycol diethyl ether

Diethylene glycol dimethyl ether

Diethylene glycol monoethyl ether

Diethylene glycol monomethyl ether

\*Dimer acids

Dioxane

Ethane

2-Ethylbutyraldehyde

Ethylene glycol monophenyl ether

\*Ethoxylates, miscellaneous

Ethylene glycol dimethyl ether

Ethylene glycol monobutyl ether

Ethylene glycol monoethyl ether

Ethylene glycol monomethyl ether

2-Ethylhexanol

Glycerine (synthetic)

Glyoxal

Hexane

\*Hexane and other C6 hydrocarbons

Isobutanol

Isobutyl acetate

Isobutylene

Isobutyraldehyde

Isophorone

Isophthalic acid

Isoprene

Isopropyl acetate

Ligninsulfonic acid, calcium salt

Maleic anhydride

Methacrylic acid

\*Methacrylic acid esters

Methane

Methyl ethyl ketone

Methyl methacrylate

Methyl tert-butyl ether

Methyl isobutyl ketone

Nitrilotriacetic acid

Nylon salt

\*alpha-olefins

Oxalic acid

\*Oxo-aldehydes-alcohols

\*n-parafins

Pentaerythritol

Pentane

1-Pentene

\*Pentenes

\*Petroleum sulfonates

Pine oil

Polyoxybutylene glycol

Polyoxyethylene glycol

Propane

PropionaldehydePropionic acid

n-propyl acetate

n-propyl alcohol

Propylene glycol

Sodium formate

Sorbitol

Stearic acid, calcium salt (wax)

2,2,4-Trimethyl-1, 3-pentanediol

2) Amine and Amide Organic Chemicals

\*Alkyl amines

Aniline

n-butylamine

sec-butylamine

tert-butylamine

Caprolactam, aqueous concentrate

2,4-Diaminotoluene

Diethanolamine

N,N-diethylaniline

2,6-Dimethylaniline

N,N-dimethylformamide

Diphenylamine

\*Ethanolamines

Ethylamine

Ethylenediamine

Ethylenediaminetetraacetic acid

\*Fatty amines

Hexamethylenediamine

4-(N-Hydroxyethylethylamino)-2-hydroxyethylaniline

Isopropylamine

Melamine

Melamine crystal

\*Methylamines

4,4'-Methylenebis(N,N'-dimethyl)aniline

Methylenedianiline

4,4'-Methylenedianiline

\*Nitroanilines

o-Phenylenediamine

1,4-Phenylenediamine dihydrochloride

Polymeric methylene dianiline

Toluenediamine (mixture)

m-Toluidine

\*Toluidines

3) Aromatic Organic Chemicals

\*Alkyl benzenes

\*Alkyl phenols

\*Alkylbenzene sulfonic acids, salts

Aminobenzoic acid (meta and para)

Benzenedisulfonic acid

Benzoic acid

Bis(2-ethylhexyl)phthalate

Bisphenol A

BTX--benzene-toluene-xylene(mixed)

Butyl octyl phthalate

tert-butylphenol

Coal tar

\*Coal tar products (miscellaneous)

Creosote

o-Cresol

m-Cresol

p-Cresol

\*Cresols, mixed

Cyanuric acid

\*Cyclic aromatic sulfonates

Dibutyl phthalate

Diisobutyl phthalate

Diisodecyl phthalate

Diisooctyl phthalate

Dimethyl phthalate

2,4-Dinitrotoluene

2,6-Dinitrotoluene

Dinitrotoluene (mixed)

Ditridecyl phthalate

Metanilic acid

Methylenediphenyldiisocyanate

alpha-methylstyrene

Naphthalene

beta-naphthalene sulfonic acid

\*Naphthas, solvent

Nitrobenzene

Nitrotoluene

Nonylphenol

Phthalic acid

Phthalic anhydride

\*Tars-pitches

\*Toluenediisocyanates (mixture)

Trimellitic acid

1-Tetralol, 1-tetralone mix

4) Halogenated Organic Chemicals

Allyl chloride

Benzyl chloride

Carbon tetrachloride

\*Chlorinated paraffins, 35-44% chlorine

Chlorobenzene

\*Chlorobenzenes (mixed)

Chlorodifluoroethane

Chloroform

\*Chloromethanes

2-Chloro-5-methylphenol (6-Chloro-m-cresol)

\*Chlorophenols

Chloroprene

Cyanogen chloride

Cyanuric chloride

1,1-Dichloroethane

2,4-Dichlorophenol

Dichloropropane

Epichlorohydrin

Ethyl chloride

\*Fluorocarbons (Freons)

Methyl chloride

Methylene chloride

Pentachlorophenol

Phosgene

Tetrachloroethylene

1,1,1-Trichloroethane

Trichloroethylene

Trichlorofluoromethane

Vinylidene chloride

5) Other Organic Chemicals

Adiponitrile

Carbon disulfide

Fatty nitriles

\*Organo-tin compounds

\*Phosphate esters

Tetraethyl lead

Tetramethyl lead

\*Urethane prepolymers

\*Waxes, emulsions-dispersions

b) Specialized Definitions. None.

c) Existing Sources

1) The Board incorporates by reference 40 CFR 414.75 (2003). This incorporation includes no later amendments or editions.

2) No person subject to the pretreatment standards incorporated by reference in subsection (c)(1) may cause, threaten, or allow the discharge of any contaminant to a POTW in violation of those standards.

d) New Sources

1) The Board incorporates by reference 40 CFR 414.76 (2003). This incorporation includes no later amendments or editions.

2) No person subject to the pretreatment standards incorporated by reference in subsection (d)(1) may cause, threaten, or allow the discharge of any contaminant to a POTW in violation of those standards.

3) "New source" means any building, structure, facility, or installation whose construction commenced after March 21, 1983.

(Source: Amended at 47 Ill. Reg. 4662, effective March 23, 2023)