**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)