

GLOSSARY

“Authorized Representative” means as follows:

If the User is a corporation, a responsible corporate officer. “Responsible corporate officer” means: a president, secretary, treasurer, or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation.

If the User is a partnership or proprietorship, a general partner or proprietor, respectively.

If the User is a federal, state or local governmental entity, the principal executive officer, ranking elected official, or director having responsibility for the overall operation of the discharging facility.

“Cooling Water” means water used for cooling purposes only, including both contact and noncontact cooling water.

“Cooling Water (contact)” means water used for cooling purposes only that may become contaminated or polluted either through the use of water treatment chemicals (such as corrosion inhibitors or biocides) or by direct contact with process materials and/or wastewater.

“Cooling Water (non-contact)” means water used for cooling purposes only that has no direct contact with any raw material, intermediate product, final product, or waste, and that does not contain a detectable level of contaminants higher than that of the intake water (for example, the water discharged from uses such as air conditioning, cooling, or refrigeration, or to which the only pollutant added is heat).

“Domestic Waste” means wastewater (or water-carried waste) of human origin generated by personal activities from toilet, kitchen, laundry, or bathing facilities, or by other similar facilities used for household or residential dwelling purposes (“sanitary sewage”). Domestic waste shall not include any waste resulting from industrial or commercial processes, including, without limitation, any hazardous or toxic pollutants. Wastes emanating from sources other than residential dwelling units which are to be considered domestic wastes shall be of the same nature and strength and have the same flow rate characteristics.

“Process Wastewater” means any water which during manufacturing or processing, comes into direct contact with or results from the production or use of any raw material, intermediate product, finished product, by-product, or waste product.

“Pretreatment” means the treatment of a wastewater contribution, at the point of origin, prior to release to a public sewer or collection system.

“Sample, Composite” a composite sample should contain a minimum of eight (8) discrete samples taken at equal time intervals over the compositing period, or proportional to the flow rate over the compositing period.

“Sample, Grab” a sample which is taken from a waste stream on a one-time basis with no regard to the flow in the waste stream and without consideration of time.

“Sample, 24-Hour Composite” 24-hour composite samples must be obtained through flow-proportional composite sampling techniques.

“Secondary Containment” means if a tank or vessel storing a chemical ruptures, the secondary containment structure will prevent the loss of the chemical to the environment. Secondary containment should be provided with a volume of 150% of the storage vessel. All potentially polluting materials such as oil, acid, cyanide, etc., should be stored within a secondary containment structure, usually a concrete wall or earthen dike.

“SIC” or “Standard Industrial Classification Code” means a classification pursuant to the Standard Industrial Classification Manual issued by the U.S. Office of Management and Budget.

“Spent Chemicals” are chemicals that have exhausted their usefulness.

TABLE I: The following is a list of the U.S. Priority Pollutants consolidated with the current Critical Materials Register, compiled by the Michigan Department of Natural Resources.

ORGANICS

1. acids

2. acenaphthene

3. acetone cyanohydrin
4. 2-acetylaminofluorene
5. acrolein
6. acrylic acid
7. acrylonitrile
8. allyl chloride
9. 2-aminoanthraquinone
10. aminoazobenzene
11. o-aminoazotoluene
12. 4-aminobiphenyl
13. 3-amino-9-ethylcarbazole
14. 1-amino-2-methylantraquin
15. aminotriazole (amitrole)
16. aniline
17. aniline hydrochloride
18. o-anisidine
19. o-anisidine hydrochloride
20. benz(a)anthracene
21. benzene
22. benzidine
23. benzidine salts
24. benzo(a)pyrene
25. brucine
26. carbon tetrachloride
27. chlorinated benzenes
 - a. chlorobenzene
 - b. 1,2,4-trichlorobenzene
 - c. 1,2-dichlorobenzene
 - d. 1,3-dichlorobenzene
 - e. 1,4-dichlorobenzene
28. chlorinated dibenzofurans
29. chlorinated dioxins
30. chlorinated ethanes
 - a. 1,1,1-trichloroethane
 - b. 1,1-dichloroethane
 - c. chloroethane
 - d. 1,1,2,2-tetrachloroethane
31. chlorinated naphthalene
 - a. 2-chloronaphthalene
32. chlorinated phenols
 - a. 2-chlorophenol
 - b. parachlorometa-cresol
 - c. 2,4-dichlorophenol
33. 1-chloro-2,3-epoxypropane
34. chloroalkyl ethers
 - a. 2-chloroethyl vinyl ether (mixed)
35. bis (2-chloroethyl) ether
36. Chloroform
37. bis (2-chloromethyl) ether
38. 3-(chloromethyl) pyridine hydrochloride
39. 1-(4-chlorophenyl)-3,3-dimethyl triazene
40. 4-chloro-m-phenylenediamine
41. 4-chloro-o-phenylenediamine
42. Chloroprene
43. 5-chloro-o-troluidine
44. p-cresidine
45. 2,4-diaminoanisole sulfate
46. 4,4-diaminodiphenyl ether
47. 2,4-diaminotoluene
48. dibenz(a,h)anthracene
49. tris(dibromopropyl) phosphate
50. di-n-butyl phthalate
51. 3,3-dichlorobenzidine
52. 3,3-dichlorobenzidine salts
53. 1,2-dichloroethane
54. dichloroethylenes
 - a. 1,1-dichloroethylene
 - b. 1,2-trans-dichloroethylene
55. dichloropropane & dichloropropene
 - a. 1,3-dichloropropylene; (1,3-dichloropropene)
 - b. 1,2-dichloropropane
56. 1,2:3,4-diepoxybutane
57. Diethyl sulfate
58. 4-dimethylaminoazobenzene
59. Dimethylhydrazines
60. 2,4-dimethylphenol
61. 4,6-dinitro-o-cresol
62. 2,4-dinitrophenol
63. 2,4-dinitrotoluene
64. dinitrotoluene
 - a. 2,6-dinitrotoluene
65. di-n-octyl phthalate
66. 1,4-dioxane
67. 2,3-epoxy-1-propanal
68. ethylbenzene
69. ethylene dibromide
70. ethyleneimine
71. ethylene oxide
72. ethylene thiourea
73. bis(2-ethylhexyl) phthalate
74. ethylmethanesulfonate
75. fluoranthene
76. 2-(2-formylhydrazino)-4-(5-nitro-2-fury)thiazole
77. Haloethers
 - a. 4-chlorophenyl phenyl ether
 - b. 4-bromophenyl phenyl ether
 - c. bis(2-chloroisopropyl) ether
 - d. bis(2-chloroethoxy) methane
78. Halomethanes
 - a. methylene chloride; (dichloromethane)
 - b. methyl chloride; (chloromethane)
 - c. methyl bromide; (bromomethane)
 - d. bromoform; (tribromomethane)
 - e. dichlorobromomethane
 - f. trichlorofluoromethane
 - g. dichlorodifluoromethane
 - h. chlorodibromomethane
79. hexachlorobenzene (HCB)
80. hexachlorobutadiene
81. hexachlorocyclohexane
82. hexachlorocyclopentadiene
83. hexachloroethane
84. hydrazobenzene
85. hydroquinone
86. N-(2-hydroxyethyl) ethyleneimine
87. isophorone
88. lactonitrite
89. malachite green
90. methylenebis(2-chloroaniline)
91. 4,4-methylenebis(2-methylaniline)
92. 4,4-methylenebis(N,N-dimethylaniline)
93. 1,2(methylenedioxy)-4-propenyl benzene
94. methyl hydrazine
95. 1-methylnaphthalene
96. 2-methyl-1-nitroanthraquinone
97. mustard gas

98. 1,5-naphthalenediamine
 99. 1-naphthylamine
 100. 2-naphthylamine
 101. 5-nitroacenaphthene
 102. 5-nitro-o-anisidine
 103. nitrobenzene
 104. 4-nitrobiphenyl
 105. nitrogene mustard
 106. 2-nitrophenol
 107. 4-nitrophenol
 108. Nitrosamines
 a. N-nitrosodiphenylamine
 b. N-nitrosodi-n-propylamine
 109. N-nitroso-n-butyl-N-(4-hydroxybutyl)amine
 110. N-nitrosodiethylamine
 111. N-nitrosodimethylamine
 112. p-nitrosodiphenylamine
 113. N-nitroso-N-ethylurea
 114. N-nitroso-N-methylurea
 115. N-nitroso-N-methylurethane
 116. N-nitrosomethylvinylamine
 117. N-nitrosomorpholine
 118. N-nitroso-N-phenylhydroxyl-amine, ammonium salt
 119. N-nitrososarcosine
 120. pentachloronitrobenzene
 121. pentachlorophenol
 122. peroxyacetic acid
 123. phenol
 124. Phthalate esters
 a. butyl benzyl phthalate
 b. diethyl phthalate
 c. dimethyl phthalate
 125. piperonyl sulfoxide
 126. polybrominated biphenyls (PBB)
 127. polychlorinated biphenyls (PCB)
 128. Polynuclear aromatic hydrocarbons
 a. 3,4-benzofluoranthene
 b. benzo(k) fluoranthene; (11,12-benzofluoranthene)
 c. chrysene
 d. acenaphthylene
 e. anthracene
 f. benzo(ghi) perylene; 1,12-benzoperylene
 g. fluorene
 h. phenanthrene
 i. ideno(1,2,3-cd) pyrene; (2,3-0-phenylenepyrene)
 j. pyrene
 k. naphthalene
 129. 1,3-propane sultone
 130. B-proplolactone
 131. 5-propyl-1,3-benzodioxole
 132. propyleneimine
 133. semicarbazide
 134. styrene
 135. tetrachloroethylene (perchloroethylene)
 136. thioacetamide
 137. 4,4-thiodianiline
 138. thiourea
 139. toluene
 140. o-toluidine
 141. o-toluidine hydrochloride
 142. triaryl phosphate esters
 143. 1,1,2-trichloroethane
 144. trichloroethylene
 145. trichlorophenols
 146. 2,4,5-trimethylaniline
 147. trimethylphosphate
 148. vinylchloride
 149. xylene
- A. INORGANICS**
150. Antimony
 151. Arsenic
 152. Beryllium
 153. Cadmium
 154. Chromium
 155. Cobalt
 156. Copper
 157. Cyanides
 158. Hypochlorite
 159. Lead
 160. Lithium
 161. Mercury
 162. Nickel
 163. Selenium
 164. Silver
 165. Thallium
 166. Zinc
- B. INORGANICS**
167. Acids
 168. Chloramines
 169. Chlorine
 170. Hydrazine
 171. Hydrogen sulfide
- C. INORGANICS**
172. Asbestos (fibrous)
- D. PESTICIDES**
173. Aldicarb
 174. Aldrin
 175. 4-aminopyridine
 176. anilazine
 177. antimycin A
 178. azinphos-ethyl
 179. azinphos-methyl
 180. barban
 181. bendiocarb
 182. benomyl
 183. bromoxynil
 184. 2(p-tert-butylphenoxy)-isopropyl-2-chloroethyl sulfite
 185. captafol
 186. captan
 187. carbaryl
 188. carbophenothion
 189. chlorodane
 190. chlordecone
 191. chlorfenvinphos
 192. chlorobenzilate
 193. chlorpyrifos

194. clonitralid
195. coumaphos
196. crotoxyphos
197. cycloheximide
198. DDT
199. demeton
200. diallate
201. diazinon
202. dibromochloropropane
203. dichlone
204. dichlorvos
205. dichrotophos
206. dieldrin
207. dimethoate
208. dinocap
209. dinoseb
210. dioxathion
211. disulfoton
212. endosulfan
213. endrin
214. EPN
215. ethion
216. fensulfothion
217. fenthion
218. fluchloralin
219. heptachlor
220. heptachlor epoxide
221. Isomes of hexachlorocyclohexane
 a. a-BHC-Alpha
 b. b-BHC-Beta
 c. g-BHC-Delta
222. leptophos
223. malathion
224. a. 4,4'-DDE;(p,p'-DDE)
 b. 4,4'-DDD;(p,p'-TDE)
225. metabolites of endosulfan
 a. endosulfan sulfate
226. metabolites of endrine
 a. endrine aldehyde
227. metabolites of heptachlor
228. methomyl
229. methoxychlor
230. methyl mercaptan
231. methyl parathion
232. mevinphos
233. mexacarbate
234. mirex
235. monocrotophos
236. naled
237. nicotine
238. nitrofen
239. oxydemeton-methyl
240. paraquat
241. parathion
242. phorate
243. phosazetim
244. phosmet
245. phosphamidon
246. rotenone
247. silvex, propylene glycolbutyl ether ester
248. sodium fluoroacetate
249. strychnine
250. sulfallate
251. sulfotepp

252. TDE
253. TEPP
254. terbufos
255. tetrachlorvinphos
256. thiram
257. toxaphene
258. trichlorfon
259. trichlorophenoxyacetic acid (2,4,5-T)
260. trifluralin
261. ziram

E. ADDITIONAL POLLUTANTS

262. Acidity
263. Alkalinity
264. Bacteria
265. BOD5
266. COD
267. Chloride
268. Fluoride
269. Hardness
270. Magnesium
271. Ammonia Nitrate
272. Oil and Grease
273. TSS
274. TOC
275. Kjeldahl Nitrogen
276. Nitrate N
277. Nitrite N
278. Organic N
279. Orthophosphate P
280. Phosphorus
281. Sodium
282. Specific Conductivity
283. Sulfate (SO₄)
284. Sulfite (SO₃)
285. Sulfide (S)

Table 2 – SIC Codes

Note: This is an edited list.

<u>CODE</u>	<u>TITLE</u>		
AGRICULTURE			
0100	Agricultural Production- Crops	2400	Misc Foods & Kindred Products
0200	Agricultural Production Livestock	2091	Canned & Cured Seafood
0211	Beef Cattle Feedlots	2092	Fresh Or Frozen Packaged Fish
0241	Dairy Farms	2200	Textile Mill Products
0700	Agricultural Services	2300	Apparel & Other Textile Products
MINING			
1000	Metal Mining	2440	Lumber & Wood Products
1011	Iron Ores	2420	Sawmills & Planing Mills
1021	Copper Ores	2430	Millwork, Plywood, & Structural Members
1081	Metal Mining Services	2440	Wood Containers
1300	Oil & Gas Extraction	2448	Wood Pallets & Skids
1380	Oil & Gas Field Services	2450	Wood Buildings & Mobile homes
1400	Nonmetallic Minerals	2490	Misc Wood Products
1422	Crushed & Broken Limestone	2491	Wood Preserving
1440	Sand & Gravel	2492	Particleboard
1450	Clay & Refractory Minerals	2500	Furniture & Fixtures
1470	Chemical & Fertilizer Minerals		
1492	Gypsum	2600	PAPER & ALLIED PRODUCTS
CONSTRUCTION			
1500	General Building Contractors	2611	Pulp Mills
1600	Heavy Construction Contractors	2621	Paper Mills (Except Building Paper)
MANUFACTURING			
2000	Food & Kindred Products	2631	Paperboard Mills
2010	Meat Products	2640	Misc Converted Paper Products
2011	Meat Packing Plants & Slaughter Houses	2650	Paperboard Containers & Boxes
2020	Dairy Products	2661	Building Paper & Board Mills
2030	Canned Fruits & Vegetables	2700	PRINTING & PUBLISHING
2033	Canned Fruits & Vegetables	2710	Newspapers
2035	Pickles, Sauces, Salad Dressings	2750	Commercial Printing
2037	Frozen Fruits & Vegetables	2790	Printing Trade Service
2040	Grain Mill Products	2800	CHEMICALS & ALLIED PRODUCTS
2043	Cereal Breakfast Foods	2810	Industrial Inorganic Chemicals
2047	Dog, Cat, & Other Pet Food	2820	Plastic Materials & Synthetics
2050	Bakery Products	2830	Drugs
2060	Sugar & Confectionery Products	2840	Soap, Cleaners, & Toilet Goods
2063	Beet Sugar	2850	Paints & Allied Products
2070	Fats & Oils	2860	Industrial Organic Chemicals
2076	Vegetable Oil Mills	2870	Agricultural Chemicals
2077	Animal & Marine Fats & Oils	2890	Misc Chemical Products
2080	Beverages	2891	Adhesives & Sealants
2082	Malt Beverages	2892	Explosives
2084	Wines, Brandy, & Brandy	2893	Printing Inks
	Spirits	2899	Salt (By Evaporation)
2085	Distilled Liquors (except brandy)	2900	PETROLEUM & COAL PRODUCTS
2086	Bottled & Canned Soft Drinks	2911	Petroleum Refining
2087	Flavoring Extracts & Syrups	2950	Paving & Roofing Materials
		3000	RUBBER & MISC PLASTIC PRODUCTS
		3011	Tires & Inner Tubes
		3069	Fabricated Rubber Products
		3079	Misc Plastic Products

3100	LEATHER & LEATHER PRODUCTS	3460	Metal Forgings & Stampings
3111	Leather Tanning & Finishing	3462	Iron & Steel Forgings
		3463	Nonferrous Forgings
		3465	Automotive Stampings
		3470	Metal Services
		3471	Plating & Polishing
3200	STONE, CLAY, & GLASS PRODUCTS	3479	Metal Coating & Allied Services
3220	Glass & Glassware, Pressed Or Blown	3480	Ordnance & Accessories
		3490	Misc Fabricated Metal Products
3241	Cement	3500	MACHINERY, EXCEPT ELECTRICAL
3250	Structural Clay Products	3510	Engines & Turbines
3260	Pottery & Related Products	3520	Farm & Garden Machinery
3270	Concrete, Gypsum, & Plaster Products	3530	Construction & Related Machinery
		3540	Metalworking Machinery
3271	Concrete Block & Brick	3550	Special Industry Machinery
3273	Ready-Mixed Concrete	3560	General Industrial Machinery
3274	Lime	3570	Office & Computing Machines
3275	Gypsum Products	3580	Refrigeration & Service Machinery
3290	Misc Nonmetallic Mineral Products	3590	Misc Machinery (Except Electrical)
		3600	ELECTRIC & ELECTRONIC EQUIPMENT
3291	Abrasive Products		Electric Distributing Equipment
3292	Asbestos Products	3610	Electric Industrial Apparatus
3295	Minerals, Ground Or Treated	3620	Household Appliances
3297	Nonclay Refractories	3630	Electric Lighting & Wiring Equipment
		3640	Radio & TV Receiving Equipment
3300	PRIMARY METAL INDUSTRIES	3650	Communication Equipment
		3660	Electronic Components & Accessories
3310	Blast Furnaces & Basic Steel	3670	Misc Electrical Equipment, Supplies
3312	Blast Furnaces & Steel Mills	3690	
3313	Electrometallurgical Products	3700	TRANSPORTATION EQUIPMENT
3315	Steel Wire & Related Products		Motor Vehicles & Equipment
3316	Cold Finishing Of Steel Shapes	3710	Motor Vehicles & Car Bodies
3317	Steel Pipe & Tubes	3711	Motor Vehicles, Parts & Accessories
3320	Iron & Steel Foundries	3714	Truck Trailers
3321	Gray Iron Foundries	3715	Aircraft & Parts
3322	Malleable Iron Foundries	3720	Ship & Boat Building & Repairing
3330	Primary Nonferrous Metals	3730	Railroad Equipment
3331	Primary Copper	3740	Motorcycle, Bicycles, & Parts
3332	Primary Lead	3750	Guided Missiles & Space Vehicle Parts
3333	Primary Zinc	3760	Misc Transportation Equipment
3334	Primary Aluminum	3790	Travel Trailers & Campers
3340	Secondary Nonferrous Metals	3792	Tanks & Tank Components
3360	Die Casting	3795	
3361	Aluminum Foundries	3800	INSTRUMENTS & RELATED PRODUCTS
3362	Brass, Bronze, & Copper Foundries		Engineering & Scientific Instruments
3390	Misc Primary Metal Products	3810	Measuring & Controlling Devices
3398	Metal Heat Treating	3820	Optical Instruments & Lenses
		3830	Medical Instruments & Supplies
3400	FABRICATED METAL PRODUCTS	3840	Photographic Equipment & Supplies
3410	Metal Cans & Shipping Containers	3860	
3420	Cutlery, Hand Tools, & Hardware		
3430	Plumbing & Heating (Except Electric)	3900	MISC MANUFACTURING INDUSTRIES
3440	Fabricated Structural Metal Products		
3450	Screw Machine Products, Bolts, etc.		

3910	Jewelry, Silverware, & Plated Ware	7542	Car Washes
3930	Musical Instruments	7900	AMUSEMENT & RECREATION SERVICES
3940	Toys & Sporting Goods		
3950	Pens, Pencils, Office, & Art Supplies	7933	Bowling Alleys
3990	Misc Manufacturers	7940	Commercial Sports
		7941	Sport Clubs & Promoters
		7948	Racing (Including Track Operation)
		7992	Public Golf Courses
		7996	Amusement Parks
		7997	Membership Sports & Recreation Clubs
	TRANSPORTATION		
4010	RAILROADS		
4200	TRUCKING & WAREHOUSING	8000	HEALTH SERVICES
4210	Trucking (Local & Long Distance)	8050	Nursing & Personal Care Facilities
4214	Hauling Liquid Wastes	8060	Hospitals
4221	Farm Product Warehousing & Storage	8070	Medical & Dental Laboratories
4222	Refrigerated Warehousing	8080	Outpatient Care Facilities
4230	Trucking Terminal Facilities		
4400	WATER TRANSPORTATION		
4430	Great Lakes Transportation		
4440	Transportation On Rivers & Canals		
4452	Ferries		
4454	Towing & Tugboat Service		
4460	Water Transportation Services		
4463	Marine Cargo Handling		
	SERVICES		
4900	ELECTRIC, GAS, & SANITARY SERVICES		
4911	Electric Services		
4925	Gas Production &/or Distribution		
4953	Refuse Systems		
5810	EATING & DRINKING PLACES		
6512	OFFICE BUILDINGS		
7000	HOTELS & OTHER LODGING PLACES		
7011	Hotels, Motels, & Tourist Courts		
7030	Camps & Trailer Parks		
7032	Sporting & Recreational Camps		
7210	LAUNDRY, CLEANING, & GARMENT SERVICES		
7215	Coin-Operated Laundries		
7391	LABORATORIES TESTING & RESEARCH		
7399	Water Softener Service		
7500	AUTO REPAIR SERVICES & GARAGES		
7530	Automotive Repair Shops		