

**Downriver Utility Wastewater Authority
Industrial Pretreatment Program
Industrial-Commercial Waste Questionnaire**

DUWA Use Only

Date Sent: Date rec'd

Reviewed by: Date:

Category 1 2 3

**Section A. General information
(Please print or type only)**

1. Facility name _____

2. Parent Company or affiliation: _____

3. Facility street address: _____

4. Facility mailing address: _____

(If different)

5. Authorized representative: _____

Title or position: _____

6. Facility contact: _____

Title or position: _____

Phone No. _____

7. Check one: Existing discharger Proposed discharger

Note to Authorized Representative: All industrial / commercial users proposing to connect to or to discharge sewage, Industrial wastes, or other wastes to a municipal sewerage system tributary to the Downriver Utility Wastewater Authority (DUWA) are required to file this questionnaire / application with the DUWA IPP Manager at least 90 days prior to said connection or commencing discharge. The information provided herein shall be used to determine whether a Class D Wastewater Discharge Permit is necessary.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true and accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: _____
(Authorized Representative) Date _____

SECTION B. Product or Service Information

1. Principal products or service present at your facility:

2. Standard Industrial Classification Code (SIC). (see Attachment A).

3. Brief narrative description of manufacturing or service activity at premise address:

4. Principal raw materials used:
 Attach additional sheets, if necessary.

SECTION C. Plant Operational Characteristics

1. What month/year did operations begin?

2. Shift of Operation:
 Total number of employees

 Shift Information
 Hours/Shift

 Shifts/Day

 Days/Week

 Months/Year

3. Is operation subject to seasonal variation? Yes No
 If "Yes" indicate
 Seasonal maximum flow

 gallons/day during month of
 Seasonal minimum flow

 gallons/day during month of
4. Provide a detailed description, including schematic diagrams for all processes and plant layout. Attach additional pages, if necessary.

5. Are any process changes or expansions planned during the next three years that would alter wastewater volumes or characteristics? Yes No
 If "Yes" briefly describe these changes.

6. List environmental permits held by facility.

Type	Permit Number	Purpose
NDPES		
Air Quality		
RCRA		
Other		

7. Is facility subject to National Emission Standards for Hazardous Air Pollutants (NESHAP) per 40 CFR Part 63?
 (List applicable subpart) Yes No

8. Does facility rely on treatment and controls at the Downriver Wastewater Treatment Facility to comply with any applicable NESHAP requirement? Yes No

SECTION D: Water Usage

1. Raw Water Source: City Other If other, describe:

2. Water bills for last 12 months (show units). Account No. _____
 1st Quarter _____ 2nd Quarter _____ 3rd Quarter _____ 4th Quarter _____

3. List Average water usage on premises.

<u>Type</u>	<u>Average Water Usage (Gallons per day)</u>	<u>Type</u>	<u>Average Water Usage (Gallons per day)</u>
a. Process		e. Boiler feed	
b. Plant & equipment wash down		f. Sanitary	
c. Contact cooling water		g. Other	
d. Non-contact cooling water		Total of a thru g:	

4. Does this facility discharge any wastewater other than sanitary?
 Yes If "Yes" complete the remainder of the application.
 No If "No" you may proceed to Section H.

SECTION E. Wastewater Information

1. Number of sewer outlets from property _____
2. Does facility have a discharge flow meter? Yes No
3. List plant sewer outlets, size and flow (assign sequential reference number to each sewer or use numbering as appears on your construction drawing).

Ref. No	Sewer Size (in inches)	Description of Outfall Sewer & Sampling-Point Location	Avg Flow (GPD)

4. Attach a sketch of plant area showing location of sewers as described in Item E-1 above and their connection or discharge point outside plant property (show plant buildings, streets, alleys, streams) and sampling points.
5. List average and maximum daily volumes and disposal methods for each process and generated waste stream (attach a block flow diagram).

Description of Process	Production Rate (per day)	Average Volume *	Maximum Volume *	Batch or Continuous	Disposal Method

* List volume gallons per day.

SECTION F. Wastewater Characteristics

a. Examine closely the attached list (Attachment B) of EPA's Priority Pollutants/Critical Materials and **circle** those compounds that are present in your raw materials or in the wastewater discharge from any of your processes.

b. Attach a copy of the most recent wastewater analyses report of wastewater discharges from your facility (analyze each waste stream if categorical). The analysis report shall contain sampling date, time, place, and method of analysis and certify that the sampling is representative of the normal work cycles and expected discharge.

Parameter	EPA Method	Average Daily Concentration (mg/L)	Maximum Daily Concentration (mg/L)

1. According to this analytical report and other analyses previously performed, Are Sewer Use Ordinance limits being met on a consistent basis?" (See Attachment C.)
 Yes No Unknown
2. Have you filed a hazardous waste notification with DUWA, Wayne County, MDEQ, or USEPA pursuant to 40 CFR part 403.12(p)?
 Yes No
3. Does your facility collect and/or treat storm water?
 Yes No
4. If "Yes" briefly describe the treatment method.
 Yes No



SECTION G. Pretreatment

1. Is there pretreatment at facility prior to discharge? Yes No
If "No" proceed to next section.
2. Wastewaters that are treated in wastewater treatment system.

3. Brief description of pretreatment facilities, including layout and site of tanks.

4. Brief description of pretreatment methods.

5. Design flow for treatment system. GPD
 Continuous Operation Batch Volume
 Batch Operation Discharge Frequency
6. Are all treatment units in service? Yes No
If "No" explain.

7. Is there a qualified wastewater pretreatment operator? Yes No
Full-time Part-
Time
8. Are off-the-shelf stock replacement parts available for critical components, e.g., pumps, pH probes?
Yes No
9. Are treatment chemicals available, e.g., lime, chlorine, caustic soda? Yes No
10. Does your company keep a continuous record of wastewater pH? Yes No
11. Is there an updated O & M manual? Yes No
12. Is there a potential for bypasses? Yes No
13. Is there sludge generated due to treatment of wastewater? Yes No
14. Waste characterization of sludge. Hazardous Non-Hazardous

SECTION I. Spill / Slug Control Plans

1. Do you have floor drains in the following plant areas? Please check below.

Area	Yes / No	Where does it discharge? Storm drain, Sanitary Sewer, Other?
Chemical storage		
Manufacturing		
Waste storage		
Other Areas		

2. Do you have any secondary containment for spill control?
(dikes, trenches, curbs). Yes No

If "Yes" to where is it discharged? Sanitary , Storm Other

3. Do you have an accidental spill prevention plan to prevent spill of chemical spills and slug discharges from entering the municipal sewer and/or the DUWA collection system?

Please check and attach copy with this application.

PIPP SPCC Contingency Plan Slug/Spill Plan Best Management Practice

4. Please describe below any spills in the last three (3) years and remedial measures taken to prevent future occurrences.

SECTION J. Non-Discharged Wastes

1. Do you generate any waste liquids or sludges that **are *not* disposed** of in the sewer system?
Yes describe and quantify below, **No** skip the remainder of this section.

Waste Generated	Quantity/Year	Disposal Method
Waste Solvent		
Oil & Grease		
Waste Product		
Pretreatment Sludge		
Paints & Thinners		
Acid and/or Alkalies		
Plating Wastes		
Organics		
Pesticides		
Other		

2. If an outside firm removes any generated wastes, list the name(s), address(es), and permit number(s) of all haulers.

Name	Address	Permit

3. Are any of the above wastes placed in trash for disposal?
Yes No
4. Do any of the generated wastes require Resource Conservation and Recovery Act, or Community Right-to-Know reporting?
If "Yes" please specify below: Yes No

If unknown, contact MDEQ Environmental Assistance Division at 1-800-662-9278.

SECTION K. Compliance Certification

1. Does the wastewater discharged from this facility comply with the requirements and / or limitations as set forth in the Enrolled Ordinance on a consistent basis?
 Yes No

For categorical industries (those which must comply with Federal Pretreatment Standards), "Is this facility currently in compliance with the applicable pretreatment standards?"
 Yes No

If "No" to either question, submit a plan of action to assure compliance with the applicable regulations. This may include additional operation and maintenance activities and/or additional pretreatment equipment.

Milestone	Plan of Action	Completion Date

Please mail the completed and signed questionnaire to

Downriver Utility Wastewater Authority
 Industrial Pretreatment Program
 797 Central Avenue
 Wyandotte, Michigan 48192
 Taylor, Michigan 48180

Telephone: (734) 252-5500

Please send a copy to your local community water & sewer department, as applicable

ATTACHMENT A – SIC CODE

Industry Category	40 CFR	Relevant SIC code(s)*
Dairy products processing	405	2021, 2022, 2023, 2024, 2026
Grain mills manufacturing	406	2041, 2043, 2044, 2045, 2046, 2047
Fruits / vegetable processing	407	2033, 2034, 2035, 2037
Canned / preserved seafood	408	2091, 2092
Sugar processing	409	2061, 2062, 2063
Textile mills	410	2211, 2221, 2231, 2241, 2251, 2252, 2253, 2254, 2257, 2258, 2259, 2261, 2262, 2269
Cement manufacturing	411	3241
Concentrated Animal Feeding Operations	412	0211, 0213, 0214
Electroplating	413	3471, 3672
Organic chemicals, plastics, and synthetic fibers	414	2821, 2823, 2824, 2865, 2869
Inorganic chemicals	415	2812, 2813, 2816, 2819
Soaps & detergents manufacturing	417	2841
Fertilizer manufacturing	418	2873, 2874, 2875
Petroleum refining	419	2911
Iron & steel manufacturing	420	3312, 3315, 3316, 3317, 3479
Nonferrous metals manufacturing	421	2819, 3331, 3334, 3339, 3341
Phosphate manufacturing	422	2819, 2874
Steam electric power generation	423	4911
Ferroalloy manufacturing	424	3313
Leather tanning / finishing	425	3111
Glass manufacturing	426	3211, 3221, 3296
Asbestos manufacturing	427	2621, 3292
Rubber manufacturing	428	2822
Timber products processing	429	2491, 2493
Pulp, paper & paperboard	430	2611, 2621, 2631
Meat products	432	2011, 2013, 2077
Metal finishing	433	groups: 34, 35, 36, 37 and 38XX
Coal mining	434	1221, 1222, 1231, 1241
Oil & gas extraction	435	1311
Mineral mining & processing	436	1422, 1423, 1429, 1442, 1446, 1455, 1459, 1474, 1475, 1479, 1499
Pharmaceutical manufacturing	439	2833, 2834
Ore mining & dressing	440	1011, 1021, 1031, 1041, 1044, 1061, 1094, 1099
Transportation equipment cleaning	442	4491, 4499, 4741, 7699
Paving & roofing materials	443	2951, 2952, 3996
Waste combustors (commercial incinerators combusting hazardous waste)	444	4953, 2819, 2869, 3241, 1422, 1429, 1459, 9999
Landfills	445	4953

Paint formulating	446	2851
Ink formulating	447	2893
Gum and wood chemicals	454	2861
Pesticide chemicals manufacturing, formulation and packaging	455	2879
Explosives	457	2892
Carbon black manufacturing	458	2895
Photographic	459	7221, 7335, 7384, 7819
Hospital	460	8062, 8063, 8069
Battery manufacturing	461	3691, 3692
Plastic molding and forming	463	3081, 3082, 3083, 3084, 3085, 3086, 3087
Metal molding and casting (foundries)	464	3321, 3322, 3324, 3325, 3365, 3366, 3369
Coil coating	465	3479, 3492, 3411
Porcelain enameling	466	3431, 3631, 3632, 3633, 3639, 3469, 3479
Aluminum forming	467	3353, 3354, 3355, 3357, 3363
Copper forming	468	3351, 3357, 3463
Electrical and electronic components	469	3671, 3674, 3679
Nonferrous metals forming and metal powders	471	3356, 3357, 3363, 3497

*This list is meant as a guideline. If your industry's SIC code is not listed, that does not automatically exempt you from the Pretreatment Program and/or filling out the wastewater discharge survey/application.

Reboul, Melissa (2012). Federal Categorical Pretreatment Standards Module 4 [PowerPoint slides].

Retrieved from <http://74.91.206.132/2012%20MReboul%20Categorical%20Standards.pdf>.

ATTACHMENT B

Table 1 (EPA Priority Pollutants - Critical Materials Register)

ORGANICS

1. acids
2. acenaphthene
3. acetone cyanohydrin
4. acrolein
5. 2-acetylaminofluorene
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 (amittole)
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
 - 27 a. chlorobenzene
 - 27 b. 1,2,4-trichlorobenzene
 - 27 c. 1,2-dichlorobenzene
 - 27 d. 1,3-dichlorobenzene
 - 27 e. 1,4-dichlorobenzene
28. chlorinated dibenzofurans
29. chlorinated dioxins
30. chlorinated ethanes
 - 30 a. 1,1,1-trichloroethane
 - 30 b. 1,1-dichloroethane
 - 30 c. chloroethane
 - 30 d. 1,1,2,2-tetrachloroethane
31. chlorinated naphthalene
 - 31 a. 2-chloronaphthalene
32. chlorinated phenols
 - 32 a. 2-chlorophenol
 - 32 b. arachlorometa-cresol
 - 32 c. 2,4-dichlorophenol
33. 1-chloro-2,3-epoxypropane
34. chloroalkyl ethers
 - 34 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 trazene
40. 4-chloro-m-phenylenediamine
41. 4-chloro-o-phenylenediamine
42. chloroprene
43. 5-chloro-o-toluidine
44. p-cresidine
45. 2,4-diaminoanisoole 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
 - 54 a. 1,1-dichloroethylene
 - 54 b. 1,2-trans-dichloroethylene
55. Dichloropropane and dichloropropene
 - 55 a. 1,3-dichloropropylene ; (1,3-dichloropropene)
 - 55 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
 - 64 a. 2,6-dinitrotoluene
65. Di-n-octyl phthalate
66. 1,4-dioxane
67. 2,3-epoxy-l-propanol
68. Ethylbenzene
69. Ethylene dibromide
70. Ethyleneimine
71. Ethylene oxide
72. Ethylene thiourea
73. Bis(2-ethylhehyl)phthalate
74. Ethylmenthanesulfonate
75. Fluoranthene
76. 2-(2-formylhydrazino)-4-(5-nitro-2-fury)-thiazole
77. Haloethers
 - 77 a. 4-chlorophenyl phenyl ether
 - 77 b. 4-bromophenyl phenyl ether
 - 77 c. Bis 2-chloroisoprpyl) ether
 - 77 d. Bis(2-chloroethoxy) methane

Table 1 (EPA Priority Pollutants - Critical Materials Register)

78. halomethanes	117. polychlorinated biphenyls PCB
78 a. methylene chloride; (dichloromethane)	118. polynuclear aromatic hydrocarbons
78 b. methyl chloride; (chloromethane)	118 a. 3,4-benzofluoranthene
78 c. methyl bromide; (bromomethane)	118 b. Benzo(k) fluoranthene;
78 d. bromoform; (tribromomethane)	(11,12-benzofluoranthene)
78 e. dichlorobromomethane	118 c. chrysene
78 f. trichlorofluoromethane	118 d. acenaphthylene
78 g. dichlorodifluoromethane	118 e. Anthracene
78 h. chlorodibromomethane	118 f. bezo(ghi)perylene; (1,12-benzoperylene)
79. hexachlorobenzene (HCB)	118 g. fluorene
80. hexachlorobutadine	118 h. phenathrene
81. hexachlorocyclohexane	118 i. Ideno(1,2,3-cd)pyrene;
82. hexachlorocyclopentadine	(2,3-0-phenylenepyrene)
83. hexachloroethane	118 j. pyrene
84. hydrazobenzene	118 k. naphthalene
85. hydroquinone	119. 1,3-propane sultone
86. N-(2-hydroxyethyl)ethyleneimine	120. B-proplolactone
87. isophorone	121. 5-propyl-1,3-benzodioxide
88. lactonitrie	122. propyleneimine
89. malachite green	123. semicarbazide
90. methylenebis(2-chloroaniline)	124. styrene
91. 4,4-methylenebis(2-methylaniline)	125. tetrachloroethylene (perchloroethylene)
92. 4,4-methylenebis(N,N-dimethylaniline)	126. thioacetamide
93. 1,2(methylenedioxy)-4-propenylbenzene	127. 4,4-thiodianiline
94. methyl hydrazine	128. thiourea
95. 1-methylnaphthalene	129. toluene
96. 2-methyl-1-nitroanthraquinone	130. o-toluidine
97. mustard gas	131. o-touidine hydrochloride
98. 1,5-naphthalenediamine	132. tiaryl phosphate esters
99. 1-naphthylamine	133. 1,1,2-trichloroethane
100. a-naphthylamine	134. trichloroethylene
101. 5-nitroacenaphthene	135. trichlorophenols
102. 5-nitro-o-anisidine	136. 2,4,5-trimethylaniline
103. Nitrobenzene	137. trimethylphosphate
104. 4-nitrobiphenyl	138. vinylchloride
105. nitrogen mustard	139. Xylene
106. 2-nitrophenol	
107. 4-nitrophenol	A. INORGANICS
108. nitrosamines	140. antimony
108 a. N-nitrosodiphenylamine	141. arsenic
108 b. N-nitrosodi-n-propylamine	142. beryllium
109. N-nitroso-n-butyl-N-(4-hydroxybutyl) amine	143. cadmium
110. N-nitrososieethylamine	144. chromium
111. N-nitrosodimethylamine	145. cobalt
112. p-nitrosodiphenylamine	146. copper
113. N-nitroso-N-ethylurea	147. cyanides
114. N-nitroso-N-methylurea	148. hydrochlorite
115. N-nitroso-N-methylurethane	149. lead
116. N-nitrosomethylvinylamine	150. lithium
151. mercury	194. dichlone

Table 1 (EPA Priority Pollutants - Critical Materials Register)

152. nickel	195. dichlorvos
153. selenium	196. dichlorophos
154. silver	197. dieldrin
155. thallium	198. dimethoate
156. zinc	199. dinocap
200. dinoseb	
B. INORGANICS	201. dioxathion
157. acids	202. disulfoton
158. choramines	203. endosulfan
159. chlorine	204. endrin
160. hydrazine	205. EPN
161. hydrogen sulfide	206. ethion
207. fensulfothion	
C. INORGANICS	208. fenthion
162. asbestos (fibrous)	209. fluchloralin
210. heptachlor	
PESTICIDES	211. heptachlor epoxide
163. aldicarb	212. Isomers of hexachlorocyclohexane
164. aldrin	212 a. a-BHC-Alpha
165. 4-aminopyridine	212 b. b-BHC Beta
166. anilazine	212 c. g-BHC-Delta
167. antimycin A	213. leptophos
168. azinphos-ethyl	214. malathion
169. azinphos-methyl	215. metabolites of DDT
170. barban	215 a. 4,4-DDE;(p,p'-DDE)
171. bendiocarb	215 b. 4,4-DDE;(p,p'-TDE)
172. benomyl	216. metabolites of endosulfan
173. bromoxynil	216 a. Endosulfan sulfate
174. Z(p-tert-butylphenoxy)-isopropyl-Z-chloroethyl sulfite	217. metabolites of endrin
175. captafol	217 a. endrin aldehyde
176. captan	218. metabolites of heptachlor
177. carbaryl	218 a. heptachlor epoxide
178. carbofuran	219. methomyl
179. carbophenothion	220. methoxychlor
180. chlordane	221. methyl mercaptan
181. chlordecone	222. methyl parathion
182. chlorfenvinphos	223. Mevinphos
183. chlorobenzilate	224. mexacarbate
184. chlorpyrifos	225. mirex
185. clonitralid	226. monocrotophos
186. coumaphos	227. naled
187. crotoxyphos	228. nicotine
188. cycloheximide	229. nitrofen
189. DDT	230. oxydemeton-methyl
190. demeton	231. paraquat
191. diallate	232. parathion
192. diazinon	233. phorate
193. dibromochloropropane (DBCP)	234. Phosazrtim
235. phosmet	244. TEPP
236. phosphamidon	245. terbufos

Table 1 (EPA Priority Pollutants - Critical Materials Register)

	246. tetrachlorvinphos	
237. rotenone		
238. silvex, propylene glycolbutyl ether ester	247. thiram	
239. sodium fluoroacetate	248. toxaphene	
240. strychnine	249. trichlorfon	
241. sulfallate	250. trichlorophenoxyacetic acid (2,4,5-T)	
242. sulfotepp	251. trifluralin	
243. TDE	252. ziram	

Appendix C
Local Discharge Limitations – Downriver Waste Treatment Facility

<u>No</u>	<u>Parameters</u>	<u>Limit (Average</u> <u>Daily Concentrations)</u>
1.	Arsenic, total	1.8 mg/l
2.	Cadmium, total.....	0.45 mg/l
3.	Chromium, total	15.0 mg/l
4.	Copper, total	2.8 mg/l
5.	Cyanide, total.....	1.80 mg/l
6.	Lead, total	1.00 mg/l
7.	Mercury, total	Non-detectable ** mg/l
8.	Nickel, total	6.00 mg/l
9.	Silver, total	0.43 mg/l
10.	Zinc, total	4.50 mg/l
11.	Fats, Oil, and Grease (FOG).....	500.0 mg/l
12.	TPH Non Polar.....	65 mg/l
13.	Phenolics, total	1.0 mg/l
14.	Polychlorinated Biphenyls (PCBs)	Non-detectable ** mg/l
15.	pH.....	5.0 - 11.5 s.u.
16.	Carbonaceous Biochemical Oxygen Demand (CBOD ₅)...1,400.	mg/l
17.	Total Phosphorous.....	177 mg/l
18.	Total Suspended Solids (TSS)	2,600 mg/l
19.	Chloroform	0.25 mg/l
20.	Methylene Chloride	1.00 mg/l
21.	Tetrachloroethylene	0.25 mg/l
22.	Toluene	1.0 mg/l
23.	Trichloroethylene.....	0.5 mg/l
24.	BTEX, (benzene, toluene, ethylbenzene, xylene)	2.0 mg/l

** The quantification level shall not exceed 0.1 UG/l for PCBs and 0.2 UG/l for mercury, unless higher levels are appropriate because of sample matrix interference. Any discharge of PCBs or mercury at or above the quantification level is a specific violation of this Ordinance. This paragraph does not authorize the discharge of PCBs or mercury at levels which are injurious to the designated uses of the waters of the state, or which, constitute a threat to the public health or welfare. If adopted by the state of Michigan to implement the Great Lakes initiative for PCBs or mercury, the quantification level in a permit issued pursuant to this Ordinance may be changed, upon county agency approval, to incorporate such promulgated quantification level.