ATTACHMENT B

TARGET QUANTITATION LIMITS (QLs) FOR EFFLUENT ANALYSIS OF POLLUTANT GROUPS

Group 1 Pollutants	Target QL Value	Units
Flow (MGD)	-	
BOD5 or CBOD5 (mg/L)	0.2	mg/L
Fecal Coliform (No./100 mL)	-	
Total Suspended Solids (TSS) (mg/L)	2.0	mg/L
Total Residual Chlorine (TRC) (mg/L)	0.02	mg/L
pH (S.U.)	-	
Temperature (°F)	-	
Dissolved Oxygen (mg/L)	-	
Total Phosphorus (mg/L)	0.01	mg/L
Ammonia-Nitrogen (mg/L)	0.02	mg/L
Total Kjeldahl Nitrogen (TKN) (mg/L)	1.0	mg/L
Nitrite as N (mg/L)	0.01	mg/L
Nitrate as N (mg/L)	0.04	mg/L
Total Dissolved Solids (TDS) (mg/L)	2.0	mg/L
Chloride (mg/l)	0.5	mg/L
Bromide (mg/l)	0.2	mg/L
Sulfate (mg/l)	1.0	mg/L
Oil and Grease (mg/L)	5.0	mg/L
Total Hardness (CaCO3) (mg/L)	0.11	mg/L

Group 2 Pollutants	Target QL Value	Units
Aluminum, Total (µg/L)	10	µg/L
Antimony, Total (µg/L)	2.0	µg/L
Arsenic, Total (µg/L)	3.0	µg/L
Barium, Total (µg/L)	2.0	µg/L
Beryllium, Total (µg/L)	1.0	µg/L
Boron, Total (µg/L)	200	µg/L
Cadmium, Total (µg/L)	0.2	µg/L
Chromium, Total (µg/L)	4.0	µg/L
Chromium, Hexavalent (µg/L)	1.0	µg/L
Cobalt, Total (µg/L)	1.0	µg/L
Copper, Total (µg/L)	4.0	µg/L
Cyanide, Free (µg/L)	1.0	µg/L
Cyanide, Total (µg/L)	10	µg/L
Iron, Total (µg/L)	20	µg/L
Iron, Dissolved (µg/L)	20	µg/L
Lead, Total (µg/L)	1.0	µg/L
Manganese, Total (µg/L)	2.0	µg/L
Mercury, Total (µg/L)	0.2	µg/L
Nickel, Total (µg/L)	4.0	µg/L
Phenols, Total (µg/L)	10	µg/L

Group 2 Pollutants	Target QL Value	Units
Selenium, Total (µg/L)	7.0	µg/L
Silver, Total (µg/L)	0.4	µg/L
Thallium, Total (µg/L)	2.0	µg/L
Zinc, Total (µg/L)	5.0	µg/L
Total Molybdenum (µg/L)	4.0	µg/L

Group 3 Pollutants	Target QL Value	Units
Acrolein (µg/L)	2.0	µg/L
Acrylonitrile (µg/L)	5.0	µg/L
Benzene (µg/L)	0.5	µg/L
Bromoform (µg/L)	0.5	µg/L
Carbon Tetrachloride (µg/L)	0.5	µg/L
Chlorobenzene (µg/L)	0.5	µg/L
Chlorodibromomethane (µg/L)	0.5	µg/L
Chloroethane (µg/L)	0.5	µg/L
2-Chloroethylvinyl Ether (µg/L)	5.0	µg/L
Chloroform (µg/L)	0.5	µg/L
Dichlorobromomethane (µg/L)	0.5	µg/L
1,1-Dichloroethane (µg/L)	0.5	µg/L
1,2-Dichloroethane (µg/L)	0.5	µg/L
1,1-Dichloroethylene (µg/L)	0.5	µg/L
1,2 Dichloropropane (µg/L)	0.5	µg/L
1,3-Dichloropropylene (µg/L)	0.5	µg/L
1,4-Dioxane (µg/L)	1.0	µg/L
Ethylbenzene (µg/L)	0.5	µg/L
Methyl Bromide (µg/L)	0.5	µg/L
Methyl Chloride (µg/L)	0.5	µg/L
Methylene Chloride (µg/L)	0.5	µg/L
1,1,2,2-Tetrachloroethane (µg/L)	0.5	µg/L
Tetrachloroethylene (µg/L)	0.5	µg/L
Toluene (µg/L)	0.5	µg/L
1,2-Trans-Dichloroethylene (µg/L)	0.5	µg/L
1,1,1-Trichloroethane (µg/L)	0.5	µg/L
1,1,2-Trichloroethane (µg/L)	0.5	µg/L
Trichloroethylene (µg/L)	0.5	µg/L
Vinyl Chloride (µg/L)	0.5	µg/L

Group 4 Pollutants	Target QL Value	Units
2-Chlorophenol (µg/L)	10	µg/L
2,4-Dichlorophenol (µg/L)	10	µg/L
2,4-Dimethylphenol (µg/L)	10	µg/L
4,6-Dinitro-o-Cresol (µg/L)	10	µg/L
2,4-Dinitrophenol (µg/L)	10	µg/L
2-Nitrophenol (µg/L)	10	µg/L

Group 4 Pollutants	Target QL Value	Units
4-Nitrophenol (µg/L)	10	µg/L
P-Chloro-m-Cresol (µg/L)	10	µg/L
Pentachlorophenol (µg/L)	10	µg/L
Phenol (µg/L)	10	µg/L
2,4,6-Trichlorophenol (µg/L)	10	µg/L

Group 5 Pollutants	Target QL Value	Units
Acenaphthene (µg/L)	2.5	µg/L
Acenaphthylene (µg/L)	2.5	µg/L
Anthracene (µg/L)	2.5	µg/L
Benzidine (µg/L)	50	µg/L
Benzo(a)Anthracene (µg/L)	2.5	µg/L
Benzo(a)Pyrene (µg/L)	2.5	µg/L
3,4-Benzofluoranthene (µg/L)	2.5	µg/L
Benzo(ghi)Perylene (µg/L)	2.5	µg/L
Benzo(k)Fluoranthene (µg/L)	2.5	µg/L
Bis(2-Chloroethoxy)Methane (µg/L)	5.0	µg/L
Bis(2-Chloroethyl)Ether (µg/L)	5.0	µg/L
Bis(2-Chloroisopropyl)Ether (µg/L)	5.0	µg/L
Bis(2-Ethylhexyl)Phthalate (µg/L)	5.0	µg/L
4-Bromophenyl Phenyl Ether (µg/L)	5.0	µg/L
Butyl Benzyl Phthalate (µg/L)	5.0	µg/L
2-Chloronaphthalene (µg/L)	5.0	µg/L
4-Chlorophenyl Phenyl Ether (µg/L)	5.0	µg/L
Chrysene (µg/L)	2.5	µg/L
Dibenzo(a,h)Anthracene (µg/L)	2.5	µg/L
1,2-Dichlorobenzene (µg/L)	0.5	µg/L
1,3- Dichlorobenzene (µg/L)	0.5	µg/L
1,4- Dichlorobenzene (µg/L)	0.5	µg/L
3,3'-Dichlorobenzidine (µg/L)	5.0	µg/L
Diethyl Phthalate (µg/L)	5.0	µg/L
Dimethyl Phthalate (µg/L)	5.0	µg/L
Di-N-Butyl Phthalate (µg/L)	5.0	µg/L
2,4-Dinitrotoluene (µg/L)	5.0	µg/L
2,6-Dinitrotoluene (µg/L)	5.0	µg/L
Di-n-Octyl Phthalate (µg/L)	5.0	µg/L
1,2-Diphenylhydrazine (as Azobenzene) (µg/L)	10	µg/L
Fluoranthene (µg/L)	2.5	µg/L
Fluorene (µg/L)	2.5	µg/L
Hexachlorobenzene (µg/L)	5.0	µg/L
Hexechlorobutadiene (µg/L)	0.5	µg/L
Hexachlorocyclopentadiene (µg/L)	5.0	µg/L
Hexachloroethane (µg/L)	5.0	µg/L

Group 5 Pollutants	Target QL Value	Units
Indeno(1,2,3-cd)Pyrene (µg/L)	2.5	µg/L
Isophorone (µg/L)	5.0	µg/L
Naphthalene (µg/L)	0.5	µg/L
Nitrobenzene (µg/L)	5.0	µg/L
N-Nitroso-di-methylamine (µg/L)	5.0	µg/L
N-Nitroso-di-n-propylamine (µg/L)	5.0	µg/L
N-Nitroso-di-n-phenylamine (µg/L)	5.0	µg/L
Phenanthrene (µg/L)	2.5	µg/L
Pyrene (µg/L)	2.5	µg/L
1,2,4-Trichlorobenzene (µg/L)	0.5	µg/L

Group 6 Pollutants	Target QL Value	Units
Aldrin (µg/L)	0.05	µg/L
Alpha BHC (µg/L)	0.05	µg/L
Beta BHC (µg/L)	0.05	µg/L
Gamma BHC (µg/L)	0.05	µg/L
Delta BHC (µg/L)	0.05	µg/L
Chlordane (µg/L)	1.0	µg/L
4,4'-DDT (µg/L)	0.05	µg/L
4,4'-DDE (µg/L)	0.05	µg/L
4,4'-DDD (µg/L)	0.05	µg/L
Dieldrin (µg/L)	0.05	µg/L
Alpha-Endosulfan (µg/L)	0.05	µg/L
Beta-Endosulfan (µg/L)	0.05	µg/L
Endosulfan Sulfate (µg/L)	0.05	µg/L
Endrin (µg/L)	0.05	µg/L
Endrin Aldehyde (µg/L)	0.05	µg/L
Heptachlor (µg/L)	0.05	µg/L
Heptachlor Epoxide (µg/L)	0.05	µg/L
Toxaphene (µg/L)	0.5	µg/L
2,3,7,8-Tetrachlorodibenzo-p-Dioxin (µg/L)	0.000005	µg/L

Group 7 Pollutants	Target QL Value	Units
Gross Alpha (pCi/L)	3	pCi/L
Beta, Total (pCi/L)	4	pCi/L
Radium 226/228, Total (pCi/L)	1	pCi/L
Strontium, Total (µg/L)	10	µg/L
Uranium, Total (µg/L)	-	