# APPENDIX A of PART II

The following Minimum Quantification Levels (MQL's) are to be used for reporting pollutant data for NPDES permit applications and/or compliance reporting.

| POLLUTANTS | MQL µg/l | POLLUTANTS | MQL µg/l |
|---|---|---|---|
| **METALS, RADIOACTIVITY, CYANIDE and CHLORINE** | | | |
| Aluminum | 2.5 | Molybdenum | 10 |
| Antimony | 60 | Nickel | 0.5 |
| Arsenic | 0.5 | Selenium | 5 |
| Barium | 100 | Silver | 0.5 |
| Beryllium | 0.5 | Thalllium | 0.5 |
| Boron | 100 | Uranium | 0.1 |
| Cadmium | 1 | Vanadium | 50 |
| Chromium | 10 | Zinc | 20 |
| Cobalt | 50 | Cyanide | 10 |
| Copper | 0.5 | Cyanide, weak acid dissociable | 10 |
| Lead | 0.5 | Total Residual Chlorine | 33 |
| Mercury *1 | 0.0005 | | |
| | 0.005 | | |
| **DIOXIN** | | | |
| 2,3,7,8-TCDD | 0.00001 | | |
| **VOLATILE COMPOUNDS** | | | |
| Acrolein | 50 | 1,3-Dichloropropylene | 10 |
| Acrylonitrile | 20 | Ethylbenzene | 10 |
| Benzene | 10 | Methyl Bromide | 50 |
| Bromoform | 10 | Methylene Chloride | 20 |
| Carbon Tetrachloride | 2 | 1,1,2,2-Tetrachloroethane | 10 |
| Chlorobenzene | 10 | Tetrachloroethylene | 10 |
| Clorodibromomethane | 10 | Toluene | 10 |
| Chloroform | 50 | 1,2-trans-Dichloroethylene | 10 |
| Dichlorobromomethane | 10 | 1,1,2-Trichloroethane | 10 |
| 1,2-Dichloroethane | 10 | Trichloroethylene | 10 |
| 1,1-Dichloroethylene | 10 | Vinyl Chloride | 10 |
| 1,2-Dichloropropane | 10 | | |
| **ACID COMPOUNDS** | | | |
| 2-Chlorophenol | 10 | 2,4-Dinitrophenol | 50 |
| 2,4-Dichlorophenol | 10 | Pentachlorophenol | 5 |
| 2,4-Dimethylphenol | 10 | Phenol | 10 |
| 4,6-Dinitro-o-Cresol | 50 | 2,4,6-Trichlorophenol | 10 |

| POLLUTANTS | MQL µg/l | POLLUTANTS | MQL µg/l |
|---|---|---|---|
| | **BASE/NEUTRAL** | | |
| Acenaphthene | 10 | Dimethyl Phthalate | 10 |
| Anthracene | 10 | Di-n-Butyl Phthalate | 10 |
| Benzidine | 50 | 2,4-Dinitrotoluene | 10 |
| Benzo(a)anthracene | 5 | 1,2-Diphenylhydrazine | 20 |
| Benzo(a)pyrene | 5 | Fluoranthene | 10 |
| 3,4-Benzofluoranthene | 10 | Fluorene | 10 |
| Benzo(k)fluoranthene | 5 | Hexachlorobenzene | 5 |
| Bis(2-chloroethyl)Ether | 10 | Hexachlorobutadiene | 10 |
| Bis(2-chloroisopropyl)Ether | 10 | Hexachlorocyclopentadiene | 10 |
| Bis(2-ethylhexyl)Phthalate | 10 | Hexachloroethane | 20 |
| Butyl Benzyl Phthalate | 10 | Indeno(1,2,3-cd)Pyrene | 5 |
| 2-Chloronapthalene | 10 | Isophorone | 10 |
| Chrysene | 5 | Nitrobenzene | 10 |
| Dibenzo(a,h)anthracene | 5 | n-Nitrosodimethylamine | 50 |
| 1,2-Dichlorobenzene | 10 | n-Nitrosodi-n-Propylamine | 20 |
| 1,3-Dichlorobenzene | 10 | n-Nitrosodiphenylamine | 20 |
| 1,4-Dichlorobenzene | 10 | Pyrene | 10 |
| 3,3'-Dichlorobenzidine | 5 | 1,2,4-Trichlorobenzene | 10 |
| Diethyl Phthalate | 10 | | |
| | **PESTICIDES AND PCBS** | | |
| Aldrin | 0.01 | Beta-Endosulfan | 0.02 |
| Alpha-BHC | 0.05 | Endosulfan sulfate | 0.02 |
| Beta-BHC | 0.05 | Endrin | 0.02 |
| Gamma-BHC | 0.05 | Endrin Aldehyde | 0.1 |
| Chlordane | 0.2 | Heptachlor | 0.01 |
| 4,4'-DDT and derivatives | 0.02 | Heptachlor Epoxide | 0.01 |
| Dieldrin | 0.02 | PCBs *2 | 0.2 |
| Alpha-Endosulfan | 0.01 | Toxaphene | 0.3 |

(MQL's Revised November 1, 2007)

Footnotes:

*1 Default MQL for Mercury is 0.005 unless Part I of your permit requires the more sensitive Method 1631 (Oxidation / Purge and Trap / Cold vapor Atomic Fluorescence Spectrometry), then the MQL shall be 0.0005.

*2 Detectable levels defined in Method 1668 must be used for reporting purposes. MQL 0.2 µg/l may be used by EPA for compliance purpose.