| Effluent Screening Criteria | | | |
|---|---|---|---|
| **Determinand** | **Units** | **Screening Value** | **Reference** |
| pH | pH | 6-9 | Gwent Levels SSSI WQS |
| Suspended Solids At 105ºC | mg/L | 20-60 | Gwent Levels SSSI WQS |
| Biochemical Oxygen Demand | mg O2/L | 6.50 | Gwent Levels SSSI WQS |
| Chloride | mg/L | 250.00 | WFD EQS (AA unless only MAC) |
| Fluoride | mg/L | 5.00 | WFD EQS (AA unless only MAC) |
| Ammonia (Free) as N | mg/L | 0.20 | WFD EQS (AA unless only MAC) |
| Ammoniacal Nitrogen | mg/L | 1.10 | Gwent Levels SSSI WQS |
| Phosphorus (Dissolved) | mg/L | 0.10 | Calculated Annual Mean Reactive P |
| Sulphate | mg/l | 300.00 | Gwent Levels SSSI WQS |
| Cyanide (Total) | mg/l | 0.001 | WFD EQS (AA unless only MAC) |
| Cyanide (Free) | mg/l | 0.001 | WFD EQS (AA unless only MAC) |
| Arsenic (Dissolved) | µg/l | 50.00 | WFD EQS (AA unless only MAC) |
| Boron (Dissolved) | µg/l | 2000.00 | WFD EQS (AA unless only MAC) |
| Cadmium (Dissolved) | µg/l | 0.15 | WFD EQS (AA unless only MAC) |
| Chromium (Dissolved) | µg/l | 3.40 | WFD EQS (AA unless only MAC) |
| Copper (Bioavailabile) | µg/l | 1.00 | WFD EQS (AA unless only MAC) |
| Iron (Dissolved) | µg/l | 1000.00 | WFD EQS (AA unless only MAC) |
| Mercury (Dissolved) | µg/l | 0.07 | WFD EQS (AA unless only MAC) |
| Manganese (Bioavailable) | µg/l | 123.00 | WFD EQS (AA unless only MAC) |
| Nickel (Bioavailable) | µg/l | 4.00 | WFD EQS (AA unless only MAC) |
| Lead (Bioavailable) | µg/l | 1.20 | WFD EQS (AA unless only MAC) |
| Vanadium (Dissolved) | µg/l | 20-60 | WFD EQS (AA unless only MAC) |
| Zinc (Bioavailable) | µg/l | 10.90 | WFD EQS (AA unless only MAC) |
| Boron (Total) | µg/l | 2000.00 | EQS Freshwater |
| Chromium (Hexavalent) | µg/l | 3.40 | EQS Freshwater |
| Aliphatic TPH >C5-C6 | µg/l | 10.00 | Gwent Levels SSSI WQS |
| Aliphatic TPH >C6-C8 | µg/l | 10.00 | Gwent Levels SSSI WQS |
| Aliphatic TPH >C8-C10 | µg/l | 10.00 | Gwent Levels SSSI WQS |
| Aliphatic TPH >C10-C12 | µg/l | 10.00 | Gwent Levels SSSI WQS |
| Aliphatic TPH >C12-C16 | µg/l | 10.00 | Gwent Levels SSSI WQS |
| Aliphatic TPH >C16-C21 | µg/l | 10.00 | Gwent Levels SSSI WQS |
| Aliphatic TPH >C21-C35 | µg/l | 10.00 | Gwent Levels SSSI WQS |
| Aliphatic TPH >C35-C44 | µg/l | 10.00 | Gwent Levels SSSI WQS |
| Aromatic TPH >C5-C7 | µg/l | 10.00 | Gwent Levels SSSI WQS |
| Aromatic TPH >C7-C8 | µg/l | 10.00 | Gwent Levels SSSI WQS |
| Aromatic TPH >C8-C10 | µg/l | 10.00 | Gwent Levels SSSI WQS |
| Aromatic TPH >C10-C12 | µg/l | 10.00 | Gwent Levels SSSI WQS |
| Aromatic TPH >C12-C16 | µg/l | 10.00 | Gwent Levels SSSI WQS |
| Aromatic TPH >C16-C21 | µg/l | 10.00 | Gwent Levels SSSI WQS |
| Aromatic TPH >C21-C35 | µg/l | 10.00 | Gwent Levels SSSI WQS |
| Aromatic TPH >C35-C44 | µg/l | 10.00 | Gwent Levels SSSI WQS |
| Trichloromethane | µg/l | 2.50 | WFD EQS (AA unless only MAC) |
| 1,1,1-Trichloroethane | µg/l | 100.00 | WFD EQS (AA unless only MAC) |
| Benzene | µg/l | 10.00 | WFD EQS (AA unless only MAC) |
| 1,2-Dichloroethane | µg/l | 10.00 | WFD EQS (AA unless only MAC) |
| Trichloroethene | µg/l | 10.00 | WFD EQS (AA unless only MAC) |
| Toluene | µg/l | 74.00 | WFD EQS (AA unless only MAC) |
| 1,1,2-Trichloroethane | µg/l | 400.00 | WFD EQS (AA unless only MAC) |
| Tetrachloroethene | µg/l | 10.00 | WFD EQS (AA unless only MAC) |
| 1,1,1,2-Tetrachloroethane | µg/l | 140.00 | WFD EQS (AA unless only MAC) |
| Ethylbenzene | µg/l | 20.00 | WFD EQS (AA unless only MAC) |
| m & p-Xylene | µg/l | 30.00 | WFD EQS (AA unless only MAC) |
| o-Xylene | µg/l | 30.00 | WFD EQS (AA unless only MAC) |
| Styrene | µg/l | 50.00 | WFD EQS (AA unless only MAC) |
| Hexachlorobutadiene | µg/l | 0.60 | Gwent Levels SSSI WQS |
| Phenol | µg/l | 7.70 | WFD EQS (AA unless only MAC) |
| 1,4-Dichlorobenzene | µg/l | 20.00 | WFD EQS (AA unless only MAC) |
| 1,2-Dichlorobenzene | µg/l | 20.00 | WFD EQS (AA unless only MAC) |
| 2,4-Dichlorophenol | µg/l | 4.20 | WFD EQS (AA unless only MAC) |
| Hexachlorobenzene | µg/l | 0.05 | WFD EQS (AA unless only MAC) |
| Pentachlorophenol | µg/l | 0.40 | WFD EQS (AA unless only MAC) |
| Di-N-Butyl Phthalate | µg/l | 8.00 | EQS Freshwater |
| Butylbenzyl Phthalate | µg/l | 7.50 | WFD EQS (AA unless only MAC) |
| Bis(2-Ethylhexyl)Phthalate | µg/l | 1.30 | WFD EQS (AA unless only MAC) |
| Naphthalene | µg/l | 2.00 | WFD EQS (AA unless only MAC) |
| Acenaphthylene | µg/l | 0.00017 | BaP |
| Acenaphthene | µg/l | 0.00017 | BaP |
| Phenanthrene | µg/l | 0.00017 | BaP |
| Anthracene | µg/l | 1.00 | EQS Freshwater |
| Fluoranthene | µg/l | 0.0063 | WFD EQS (AA unless only MAC) |
| Benzo[b]fluoranthene | µg/l | 0.017 | WFD EQS (AA unless only MAC) |
| Benzo[k]fluoranthene | µg/l | 0.017 | WFD EQS (AA unless only MAC) |
| Benzo[a]pyrene | µg/l | 0.00017 | WFD EQS (AA unless only MAC) |
| Benzo[g,h,i]perylene | µg/l | 0.0082 | WFD EQS (AA unless only MAC) |
| Total Phenols | mg/l | 0.08 | EQS Freshwater |