FOURTH SCHEDULE

MONITORING GUIDE FOR DISCHARGE INTO THE ENVIRONMENT (r.12 (2))

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DISCHARGING FACILITY | **Gas and Oil =** | **Dairy Products** | **Grain Mills** | **Canned Fruits & Vegetables** | **Canned & Preserved Sea Foods** | **Sugar Processing** | **Textiles** | **Cement** | **Feedlots** | **Electroplating** | **Organic Chemicals** | **Inorganic Chemicals** | **Plastics & Synthetics** | **Soap & Detergents** | **Fertiliser Manufacturing** | **Petroleum Refining** | **Iron & Steel Manufacturing** | **Non Ferrous** | **Phosphate Manufacturing** | **Steam Electric Power Generating** |
| Water quality parameters |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Biochemical Oxygen  Demand, BOD | x | x | x | x | x | x | x |  | x |  | x | x | x | x | x | x |  |  |  |  |
| Total Suspended Solids | x | x |  | x | x | x | x | x |  | x | x | x | x | x | x | x | x | x | x | x |
| pH | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| Faecal Coliforms | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| Oil & Grease | x |  |  |  | x |  | x |  |  |  | x |  |  | x |  | x | x | x | x | x |
| Temperature | x | x | x | x | x | x | x | x | x |  | x | x | x | x |  | x | x | x | x | x |
| Chemical Oxygen  Demand, COD |  |  |  |  |  | x | x |  |  |  | x | x | x | x |  | x |  | x |  |  |
| Colour/Dye/Pigment | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| Elemental Phosphorus |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x |  |
| Total Phosphorus |  |  |  |  |  | x |  |  |  | x |  |  |  |  | x |  |  |  | x | x |
| Ammonia (as N) |  |  |  |  |  |  |  |  |  |  |  | x |  |  | x | x | x | x |  |  |
| Organic Nitrogen as N |  |  |  |  |  | x |  |  |  |  |  |  |  |  | x |  |  |  |  |  |
| Nitrate |  |  |  |  |  | x |  |  |  |  |  |  |  |  | x |  | x |  |  |  |
| Flow | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| Phenols |  |  |  |  |  |  | x |  |  |  | x |  | x |  |  | x | x |  |  |  |
| Sulphide |  |  |  |  |  |  | x |  |  |  |  |  |  |  |  | x | x |  |  |  |
| Total Chromium |  |  |  |  |  |  | x |  |  | x |  | x |  |  |  | x |  |  |  |  |
| Chromium VI |  |  |  |  |  |  |  |  |  | x |  | x |  |  |  | x |  |  |  | x |
| Chrome |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Copper |  |  |  |  |  |  |  |  |  | x |  | x | x |  |  |  |  |  |  | x |
| Nickel |  |  |  |  |  |  |  |  |  | x |  | x |  |  |  |  |  |  |  |  |
| Zinc |  |  |  |  |  |  |  |  |  | x |  |  | x |  |  |  | x |  |  | x |
| Zinc |  |  |  |  |  |  |  |  |  |  |  | x |  |  |  |  |  |  |  |  |
| Cn total |  |  |  |  |  |  |  |  |  | x |  | x |  |  |  |  |  |  |  |  |
| Cyanide A |  |  |  |  |  |  |  |  |  | x |  | x |  |  |  |  |  |  |  |  |
| Fluorine |  |  |  |  |  |  |  |  |  | x |  | x | x |  |  |  |  | x | x |  |
| Free Available Chlorine |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Residual Chlorine | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x |
| Cadmium |  |  |  |  |  |  |  |  |  | x |  | x |  |  |  |  | x |  |  |  |
| Lead |  |  |  |  |  |  |  |  |  | x |  | x |  |  |  |  | x | x |  |  |
| Iron |  |  |  |  |  |  |  |  |  | x |  |  |  |  |  |  |  |  |  |  |
| Tin |  |  |  |  |  |  |  |  |  | x |  | x |  |  |  |  |  |  |  | x |
| Silver |  |  |  |  |  |  |  |  |  | x |  |  |  |  |  |  |  |  |  |  |
| Gold |  |  |  |  |  |  |  |  |  | x |  |  |  |  |  |  |  |  |  |  |
| Iridium |  |  |  |  |  |  |  |  |  | x |  |  |  |  |  |  |  |  |  |  |
| Palladium |  |  |  |  |  |  |  |  |  | x |  |  |  |  |  |  |  |  |  |  |
| Rhodium |  |  |  |  |  |  |  |  |  | x |  |  |  |  |  |  |  |  |  |  |
| Ruthenium |  |  |  |  |  |  |  |  |  | x |  |  |  |  |  |  |  |  |  |  |
| Mercury (total) |  |  |  |  |  |  |  |  |  |  |  | x |  |  |  |  |  |  |  |  |
| Total Organic Carbon |  |  |  |  |  |  |  |  |  |  |  | x |  |  |  |  | x |  |  |  |
| Aluminium |  |  |  |  |  |  |  |  |  |  |  | x |  |  |  |  | x |  |  |  |
| Arsenic |  |  |  |  |  |  |  |  |  |  |  | x |  |  |  |  | x |  | x |  |
| Selenium |  |  |  |  |  |  |  |  |  |  |  | x |  |  |  |  |  |  |  |  |
| Barium |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Manganese |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x |  |  |  |
| Tannin |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Oil |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Settleable Solids |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Surfactants |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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