4031

P.U. (A) 434

Fourth Schedule

[Subregulation 16(2)]

METHODS OF ANALYSIS OF INDUSTRIAL EFFLUENT OR MIXED EFFLUENT

1. The 21s\* edition of “Standard Methods for the Examination of Water and Wastewater” published jointly by the American Public Health Association, the American Water Works Association and the Water Environment Federation of the United States of America; or
2. “Code of Federal Regulations, Title 40, Chapter 1, Subchapter D, part 136” published by the Office of the Federal Register, National Archives and Records Administration, United States of America.

Fifth Schedule

[Paragraph ll(l)(a)]

ACCEPTABLE CONDITIONS FOR DISCHARGE OF INDUSTRIALEFFLUENT OR MIXED EFFLUENT OF STANDARDS A AND B

|  |  |  |
| --- | --- | --- |
| Parameter | Unit | Standard |
| A | B |
| (1) | (2) | (3) | (4) |
| Temperature | °C | 40 | 40 |
| pH Value | - | 6.0-9.0 | 5.5-9.0 |
| BOD5 at 20°C | mg/L | 20 | 50 |
| Suspended Solids | mg/L | 50 | 100 |
| Mercury | mg/L | 0.005 | 0.05 |
| Cadmium | mg/L | 0.01 | 0.02 |
| Chromium, Hexavalent | mg/L | 0.05 | 0.05 |
| Chromium, Trivalent | mg/L | 0.20 | 1.0 |
| Arsenic | mg/L | 0.05 | 0.10 |
| Cyanide | mg/L | 0.05 | 0.10 |
| Lead | mg/L | 0.10 | 0.5 |
| Copper | mg/L | 0.20 | 1.0 |
| Manganese | mg/L | 0.20 | 1.0 |
| Nickel | mg/L | 0.20 | 1.0 |
| Tin | mg/L | 0.20 | 1.0 |
| Zinc | mg/L | 2.0 | 2.0 |
| Boron | mg/L | 1.0 | 4.0 |
| Iron (Fe) | mg/L | 1.0 | 5.0 |
| Silver | mg/L | 0.1 | 1.0 |
| Aluminium | mg/L | 10 | 15 |
| Selenium | mg/L | 0.02 | 0.5 |
| Barium | mg/L | 1.0 | 2.0 |
| Fluoride | mg/L | 2.0 | 5.0 |
| Formaldehyde | mg/L | 1.0 | 2.0 |
| Phenol | mg/L | 0.001 | 1.0 |
| Free Chlorine | mg/L | 1.0 | 2.0 |
| Sulphide | mg/L | 0.50 | 0.50 |
| Oil and Grease | mg/L | 1.0 | 10 |
| Ammoniac al Nitrogen | mg/L | 10 | 20 |
| Colour | ADMI\* | 100 | 200 |

\*ADMI-American Dye Manufacturers Institute