

Wastes Treatment Summary

| Treatment \ Wastes | Methylene Chloride CH ₂ Cl ₂ (Liquid) | Rimon heavies (Slurry) | BU heavies (Slurry) | Methyl Chloride CH ₃ Cl (Gas) | Methyl Bromide CH ₃ Br (Gas) | MIPA C ₃ H ₉ N (Gas) | MC, IPA, Allyl Chloride CH ₂ Cl ₂ /C ₃ H ₈ O/C ₃ H ₅ Cl (Gas) |
|---|---|-------------------------------------|------------------------|--|---|--|---|
| Power (KW) | 28.7 | 23.2 | 22.5 | 22.6 | 23.2 | 22.6 | 24.5 |
| Capacity (KG/HR) | 57.2 | 18.5 | 9 | 14.9 | 0.852 | 0.0903 | 3.520 |
| Temperature of destruction (°C) | ~ 3600 | ~3145 | ~ 3080 | ~2950 | ~3140 | ~3100 | ~3400 |
| ΔT (°C) Cooling water of reactor | 10-11 | 14-15 | 12-14 | 3 | 3-4 | 3-3.5 | 1.5-2.5 |
| Temperature of gases from reactor (°C) | 840 | 900 | 825 | 205 | 215 | 145 | 200 |
| Conversion (%) | 99.99 | 99.90 | 99.90 | 99.91 | 98.50 | 96.80 | 99.9999 |
| Independent laboratory results of Emission Rate (Kg/hr) | — | Toluene: 0.00014 Xylene: 0.00014 | — | 0.0136 | 0.0138 | 0.0029 | 0.0000 |
| Regulation Emission Rate (Kg/hr) | — | 2 | — | 0.1 | 0.1 | 0.1 | 0.1 |

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