Appendix 8.6

Process Information

APPENDIX 8.6 - Process Information

Table A8.16 Source Emission Data for Maximum Emissions From The Ringaskiddy Resource Recovery Facility

Stack Reference	Stack Height (m)	Exit Diameter (m)	Cross-Sectional Area (m^2)	Temperature (K)	Max Volume Flow (Nm^3/hr)	Exit Velocity (m/sec actual)	Concentration (mg/Nm^3)	Mass Emission (g/s)
Maximum Stack Flow - Grate Incinerator	70	2.3	4.15	408.15	211,000	19.94	NO_2 – 400 SO_2 – 200 Dust – 30 CO – 150 TOC – 20 HCl – 60 HF – 4.0 Dioxins – 0.1 ng/m^3 Cd & Tl – 0.05 Hg – 0.05 Sum of Metals – 0.5	NO_2 – 23.4 SO_2 – 11.7 Dust – 1.76 CO – 8.79 TOC – 1.17 HCl – 3.52 HF – 0.23 Dioxins – 5.9E-9 Cd & Tl – 0.00293 Hg – 0.00293 Sum of Metals – 0.0293

Table A8.17 Source Emission Data for 75% Emissions From The Ringaskiddy Resource Recovery Facility

Stack Reference	Stack Height (m)	Exit Diameter (m)	Cross-Sectional Area (m^2)	Temperature (K)	Max Volume Flow (Nm^3/hr)	Exit Velocity (m/sec actual)	Concentration (mg/Nm^3)	Mass Emission (g/s)
75% Of Maximum Stack Flow - Grate Incinerator	70	2.3	4.15	408.15	158,250	14.95	NO_2 – 400 SO_2 – 200 Dust – 30 CO – 150 TOC – 20 HCl – 60 HF – 4.0 Dioxins – 0.1 ng/m^3 Cd & Tl – 0.05 Hg – 0.05 Sum of Metals – 0.5	NO_2 – 17.58 SO_2 – 8.79 Dust – 1.32 CO – 6,59 TOC – 0.88 HCl – 2.64 HF – 0.176 Dioxins – 4.4E-9 Cd & Tl – 0.0022 Hg – 0.0022 Sum of Metals – 0.022