Coronal

Emission Performance

Air Emissions

Emission Element	Gasification	Incineration
Metals		
Antimony (mg/dscm)	0.02 - 0.05	0.5 - 2.6
Cadmium (mg/dscm)	0.004 - 0.03	0.06 - 0.9
Chromium (mg/dscm)	0.02 - 0.08	0.03 - 0.1
Lead (mg/dscm)	0.2 - 0.6	8.4 - 15
Mercury (mg/dscm)	ND* - 0.02	0.5 - 0.9
Nickel (mg/dscm)	0.02 - 0.08	0.2 - 0.5
ACID GASES		
NOx (ppm)	30 - 50	169 - 246
SO_2 (ppm)	10 - 20	128 - 225
PARTICULATES		
mg/dscm	2.4 - 9.9	167 - 247

Solids By-products

Leachate Element	Gasification	Incineration
Metals		
Antimony (mg/l)	0.02 - 0.05	0.5 - 2.6
Arsenic	ND* - 0.1	5.0
Barium (mg/l)	0.03 - 0.1	55.0 -100.0
Cadmium (mg/l)	0.004 - 0.02	0.2 - 0.5
Chromium (mg/l)	0.05 - 0.2	3.3 - 5.0
Copper (mg/l)	0.02 - 0.08	0.03 - 0.1
Lead (mg/l)	0.01 - 0.02	2.5 - 5.0
Mercury (mg/l)	ND*	0.05 - 0.1

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ND*- Not Detectable

Data Source: Plasma Gasification of MSW, Carter Report