

TABLE F-2
ONTARIO COUNTY LANDFILL
LEACHATE FUGITIVE HAP EMISSIONS CALCULATION SUMMARY
EXPANSION LANDFILL

Leachate Generation Estimate Revised from DEIS

Leachate Annual Throughput = 6.2E+06 gallons/year (Max estimated annual leachate generation)

Compound	Concentration	Estimated Fugitive Leachate Emissions	Estimated Fugitive Leachate Emissions
	mg/l	Tons	Pounds
Chloroform	0.333	0.01	17.25
Ethyl benzene	0.355	0.01	18.35
Toluene	0.488	0.01	25.26
Total Xylenes	0.535	0.01	27.69
Methylene chloride	0.571	0.01	29.53
Acetophenone	1.032	0.03	53.42
(3&4) Methyl phenol	1.956	0.05	101.20
2-Methyl Phenol	1.121	0.03	58.02
Di-n-butyl phthalate	1.209	0.03	62.56
Naphthalene	0.837	0.02	43.33
4-Methyl 2-pentanone	0.770	0.02	39.84
2-Butanone	6.721	0.17	347.78
Phenol	0.843	0.02	43.61
Bis (2-ethylhexyl) phthalate	0.887	0.02	45.91
Carbon disulfide	0.317	0.01	16.39
Total HAPs =		0.47	930.13

Notes:

1. Leachate annual throughput estimated for peak leachate generated from the expansion landfill only
2. Leachate compound concentrations based on the average concentration during the 2006 - 2011 sampling events (Primary Leachate - detected compounds).
3. Conservatively assumes 100% volatilization of HAPs detected in sample analysis.
4. Actual volatilization typically 20%.