

**TABLE F-3
ONTARIO COUNTY LANDFILL
LEACHATE FUGITIVE HAP EMISSIONS CALCULATION SUMMARY
PEAK YEAR**

Leachate Generation Estimate Revised from DEIS

Leachate Annual Throughput = 2.1E+07 gallons/year (Max estimated annual leachate generation)

Compound	Concentration	Estimated Fugitive Leachate Emissions	Estimated Fugitive Leachate Emissions
	mg/l	Tons	Pounds
Chloroform	0.333	0.03	57.59
Ethyl benzene	0.355	0.03	61.25
Toluene	0.488	0.04	84.34
Total Xylenes	0.535	0.05	92.45
Methylene chloride	0.571	0.05	98.58
Acetophenone	1.032	0.09	178.35
(3&4) Methyl phenol	1.956	0.17	337.87
2-Methyl Phenol	1.121	0.10	193.71
Di-n-butyl phthalate	1.209	0.10	208.88
Naphthalene	0.837	0.07	144.66
4-Methyl 2-pentanone	0.770	0.07	133.03
2-Butanone	6.721	0.58	1,161.14
Phenol	0.843	0.07	145.61
Bis (2-ethylhexyl) phthalate	0.887	0.08	153.27
Carbon disulfide	0.317	0.03	54.71
Total HAPs =		1.55	3,105.43

Notes:

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