

**TABLE F-1
ONTARIO COUNTY LANDFILL
LEACHATE FUGITIVE HAP EMISSIONS CALCULATION SUMMARY
EXISTING LANDFILL**

Leachate Generation Estimate Revised from DEIS

Leachate Annual Throughput = 1.7E+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	0.02	46.46
Ethyl benzene	0.355	0.02	49.42
Toluene	0.488	0.03	68.04
Total Xylenes	0.535	0.04	74.58
Methylene chloride	0.571	0.04	79.53
Acetophenone	1.032	0.07	143.88
(3&4) Methyl phenol	1.956	0.14	272.58
2-Methyl Phenol	1.121	0.08	156.28
Di-n-butyl phthalate	1.209	0.08	168.52
Naphthalene	0.837	0.06	116.70
4-Methyl 2-pentanone	0.770	0.05	107.32
2-Butanone	6.721	0.47	936.77
Phenol	0.843	0.06	117.48
Bis (2-ethylhexyl) phthalate	0.887	0.06	123.66
Carbon disulfide	0.317	0.02	44.14
Total HAPs =		1.25	2,505.35

Notes:

1. Leachate annual throughput estimated for existing permitted 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%.