

O30-Q01 - LANDFILL SOIL COVER

CALCULATION METHODS

All Ducted Emissions:

Ea = 0
Eh = 0

O30-Q01 - PM Fugitive Emissions:

Ea = (Ua * EF * Ci) / 10⁶
Eh = (Ud * EF * Ci) / (H × 10⁶)

Where EF is:
-0.05 lbs TSP/ton
-0.021 lbs PM10/ton

POLLUTANT	DISTRICT EMISSION FACTORS (ppmw)	EPA REFERENCE DOCUMENT	EPA-FACTOR	(UNITS)	COMMENTS
TSP	1000000.00			ppmw	ASSUME ALL PARTICULATE EMISSIONS ARE PM10 AND TSP.
PM10	1000000.00			ppmw	ASSUME ALL PARTICULATE EMISSIONS ARE PM10 AND TSP.
ARSENIC	20.00	APCD Local haul road sample results	20.00	ppmw	
BERYLLIUM	1.00	APCD Local haul road sample results		ppmw	
CADMIUM	1.00	APCD Local haul road sample results		ppmw	
CHROMIUM (hexavalent)					All haul road samples were non-detect for Cr ⁺⁶ , assume 0 ppmw.
CHROMIUM (Total)	50.00	APCD Local haul road sample results		ppmw	
COPPER	100.00	APCD Local haul road sample results		ppmw	
LEAD	50.00	APCD Local haul road sample results		ppmw	
MANGANESE	500.00	APCD Local haul road sample results		ppmw	
MERCURY	5.00	APCD Local haul road sample results		ppmw	
NICKEL	20.00	APCD Local haul road sample results		ppmw	
SELENIUM	5.00	APCD Local haul road sample results		ppmw	
SILICA (crystalline)	100000.00	APCD Local haul road sample results		ppmw	

POLLUTANT	DISTRICT EMISSION FACTORS (ppmw)	EPA REFERENCE DOCUMENT	EPA- FACTOR	(UNITS)	COMMENTS
RESPIRABLE SILICA, CRYSTALLINE CRISTOBALITE QUARTZ	7950.00			ppmw	PM4 fraction of PM10 silica, assumed to be 7.95%
ZINC	200.00	APCD Local haul road sample results		ppmw	

Last Updated on Feb 2025 by B. Wong