

T07 - TRANSFER POINT, PROCESS MATERIAL, WET, UNCONTROLLED, AWR / MPI / DISTRICT 4/9/96 METHODOLOGY

CALCULATION METHODS

(Fugitive Releases)

$$E_a = U_a \times EF \times C_i$$

$$E_h = U_h \times EF \times C_i$$

(Ducted Releases)

$$E_a = 0$$

$$E_h = 0$$

NOTES:

- The AWR / MPI / District Transfer Point Emission Factors for this material are 0.000048 lbs PM10 and 0.0001015 lbs TSP per ton material processed.
- The PM10 factor is based upon the controlled transfer point value in Section 11.19.2, Table 11.19.2-2 of AP-42 (1/95) and the District - AWR - MPI agreement dated 4/9/96.
- The TSP factor is calculated using a (0.74/0.35) ratio of particle size multipliers from Section 13.2.4 of AP-42 and the above PM10 value.
- Emission factors for this calculation procedure are based on the aggregate handling estimation method in Section 13.2.4 of AP-42 (1/95).
- The PM10 Emission Factor is representative of a transfer point with a material moisture content of 22.5% at a site with an average wind speed of 6 mph.
- The trace metal default concentrations are based on an AWR material analysis for crushed miscellaneous base, (Profile 7), submitted to the District in July 1996. Use site specific data if available.
- All emissions for this calculation procedure are assumed to be fugitive. No additional capture or control efficiencies should be applied.
- Material transfer points processing dry material should not be evaluated with this procedure. Note: Transfer points processing wet material should not require controls.
- Per the AWR / MPI / District agreement;
 - "Process" Material = Aggregate Streams composed of material that is 70% or more by weight > #4 mesh.
 - "Fines" Material = Aggregate Streams composed of material that is 30+% by weight < #4 mesh.
 - "Dry" Material = "Process" streams with an average moisture content of <1.5% and "Fines" streams with an average moisture content of <3.0%.
 - "Wet" Material = "Process" streams with an average moisture content of 1.5% or more and "Fines" streams with an average moisture content of 3.0% or more.
 - "Zero" emissions will be assumed for water washed aggregates with visible moisture as well as any material with an average moisture content of 5% or more.

POLLUTANT	Default Composition	EPA REFERENCE	AP-42	(UNITS)	COMMENTS
	(ppmw)	DOCUMENT	FACTOR		
NOX					
CO					
SOX					
TOG					
ROG					
TSP	1,000,000	AP-42, Sections 11.19.2 and 13.2.4 (1/95).			TSP factor = 0.0001015 lbs TSP / ton material processed.
PM10	1,000,000	AP-42, Sections 11.19.2 and 13.2.4 (1/95).			PM10 factor = 0.000048 lbs PM10 / ton material processed.
ALUMINUM	15,000				Based on local test results.
ARSENIC	22				Based on local test results.
BARIUM	225				Based on local test results.

BERYLLIUM	1				Based on local test results.
CADMIUM	1				Based on local test results.
CHROMIUM HEXAVALENT	0				Based on local test results. No Cr+6 detected in any samples analyzed.
CHROMIUM NONHEXAVALENT	28				Based on local test results.
COBALT	11				Based on local test results.
COPPER	37				Based on local test results.
LEAD	50				Based on local test results.
MANGANESE	530				Based on local test results.
MERCURY	0				Based on local test results. No mercury detected in any samples analyzed.
NICKEL	28				Based on local test results.
SELENIUM	1				Based on local test results.
SILICA, CRYSTALLINE	100,000				Based on local test results.
ZINC	99				Based on local test results.

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