**T08 - TRANSFER POINT, FINES MATERIAL, DRY, UNCONTROLLED, AWR / MPI / DISTRICT 4/9/96 METHODOLOGY**

**CALCULATION METHODS**

(Fugitive Releases)

Ea = Ua x EF x Ci

Eh = Uh x EF x Ci

(Ducted Releases)

Ea = 0

Eh = 0

**NOTES:**

- The AWR / MPI / District Transfer Point Emission Factors for this material are 0.0014 lbs PM10 and 0.00296 lbs TSP per ton material processed.

- The PM10 factor is based upon the uncontrolled 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 2% 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 with controls should not be evaluated with this procedure.

- 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 = 0.00296 lbs TSP / ton material processed. |
| PM10 | 1,000,000 | AP-42, Sections 11.19.2 and 13.2.4 (1/95). | | | PM10 factor = 0.0014 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. |

*Last Updated on 8/26/99*
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