

**S17 - SCREENING OPERATION, ALL MATERIAL, WET PLANT OPERATIONS, UNCONTROLLED, AWR / MPI  
/ DISTRICT 4/9/96 METHODOLOGY**

**CALCULATION METHODS**

(Fugitive Releases)

Ea = 0

Eh = 0

(Ducted Releases)

Ea = 0

Eh = 0

**Notes:**

- The AWR / MPI / District Screening Operation Emission Factors for this material are 0 lbs PM10 and 0 lbs TSP per ton of material processed.
- 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.
- Screens processing dry material should not be evaluated with this procedure. Note: Screens 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 | DISTRICT EMISSION FACTORS (ppmw) | REFERENCE DOCUMENT                         | ARB | (UNITS) | COMMENTS                     |
|-----------|----------------------------------|--|-----|---------|------------------------------|
| NOX       |                                  |  |     |         |                              |
| CO        |                                  |  |     |         |                              |
| SOX       |                                  |  |     |         |                              |
| TOG       |                                  |  |     |         |                              |
| ROG       |                                  |  |     |         |                              |
| TSP       | 1,000,000.00                     | AP-42, Sections 11.19.2 and 13.2.4 (1/95). |     |         |                              |
| PM10      | 1,000,000.00                     | AP-42, Sections 11.19.2 and 13.2.4 (1/95). |     |         |                              |
| ALUMINUM  | 15,000.00                        |  |     |         | Based on local test results. |

| POLLUTANT  | DISTRICT EMISSION FACTORS (ppmw) | REFERENCE DOCUMENT | ARB | (UNITS) | COMMENTS  |
|--|----------------------------------|--------------------|-----|---------|---|
| ARSENIC  | 22.00                            |                    |     |         | Based on local test results.  |
| BARIUM   | 225.00                           |                    |     |         | Based on local test results.  |
| BERYLLIUM  | 1.00                             |                    |     |         | Based on local test results.  |
| CADMIUM  | 1.00                             |                    |     |         | Based on local test results.  |
| CHROMIUM HEXAVALENT                                | -                                |                    |     |         | Based on local test results. No Cr+6 detected in any samples analyzed.    |
| CHROMIUM NONHEXAVALENT                             | 28.00                            |                    |     |         | Based on local test results.  |
| COBALT   | 11.00                            |                    |     |         | Based on local test results.  |
| COPPER   | 37.00                            |                    |     |         | Based on local test results.  |
| LEAD   | 50.00                            |                    |     |         | Based on local test results.  |
| MANGANESE  | 530.00                           |                    |     |         | Based on local test results.  |
| MERCURY  | -                                |                    |     |         | Based on local test results. No mercury detected in any samples analyzed. |
| NICKEL   | 28.00                            |                    |     |         | Based on local test results.  |
| SELENIUM   | 1.00                             |                    |     |         | Based on local test results.  |
| SILICA, CRYSTALLINE                                | 100,000.00                       |                    |     |         | Based on local test results.  |
| RESPIRABLE SILICA, CRYSTALLINE CRISTOBALITE QUARTZ | 7,950.00                         |                    |     |         | PM4 fraction of PM10 silica, assumed to be 7.95%                          |
| ZINC   | 99.00                            |                    |     |         | Based on local test results.  |

Last Updated on November 2023, J. Lofgren