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| **TABLE 1**  **SIGNIFICANT AIR QUALITY IMPACT** |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | Pollutant | Averaging Time | Air Quality Area Designation | | | | Class I | Class II | Class III | | SO2 (µg/m3) | Annual | 0.10 | 1.0 | 1.6 | | 24-hour | 0.20 | 5.0 | 7.3 | | 3-hour | 1.0 | 25.0 | 28 | | PM10 (µg/m3) | Annual | 0.20 | 0.2 | 0.2 | | 24-hour | 0.30 | 1.0 | 1.0 | | PM2.5 (µg/m3) | Annual | 0.06 | 0.2 | 0.2 | | 24-hour | 0.07 | 1.0 | 1.0 | | NO2 (µg/m3) | Annual | 0.10 | 1.0 | 1.0 | | CO (mg/m3) | 8 hour | --- | 0.5 | 0.5 | | 1-hour | --- | 2.0 | 2.0 | |

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| **Table 2**  **SIGNIFICANT EMISSION RATES** | |
| ***Pollutant*** | ***Emission Rate*** |
| Greenhouse Gases (CO2e) | 75,000 tons/year |
| Carbon Monoxide | 100 tons/year |
| Nitrogen Oxides (NOX) | 40 tons/year |
| Particulate Matter | 25 tons/year |
| PM10 | 15 tons/year |
| Direct PM2.5 | 10 tons/year |
| PM2.5 precursors (SO2 or NOx) | 40 tons/year |
| Sulfur Dioxide (SO2) | 40 tons/year |
| Volatile Organic Compounds (VOC) | 40 tons/year |
| Ozone precursors (VOC or NOx) | 40 tons/year |
| Lead | 0.6 ton/year |
| Fluorides | 3 tons/year |
| Sulfuric Acid Mist | 7 tons/year |
| Hydrogen Sulfide | 10 tons/year |
| Total Reduced Sulfur (including hydrogen sulfide) | 10 tons/year |
| Reduced sulfur compounds (including hydrogen sulfide) | 10 tons/year |
| Municipal waste combustor organics (measured as total tetra- through octa- chlorinated dibenzo-p-dioxins and dibenzofurans) | 0.0000035 ton/year |
| Municipal waste combustor metals (measured as particulate matter) | 15 tons/year |
| Municipal waste combustor acid gases (measured as sulfur dioxide and hydrogen chloride) | 40 tons/year |
| Municipal solid waste landfill emissions (measured as nonmethane organic compounds) | 50 tons/year |

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| **Table 3**  **SIGNIFICANT EMISSION RATES FOR THE MEDFORD-ASHLAND AIR QUALITY MAINTENANCE AREA** | | |
| *Air Contaminant* | *Emission Rate* | |
|  | *Annual* | *Day* |
| PM10/PM2.5 | (5 tons) | (50 lbs.) |

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| **TABLE 4**  **De Minimis Emission Levels** | |
| **Pollutant** | **De minimis (tons/year, except as noted)** |
| Greenhouse Gases (CO2e) | 1,000 |
| CO | 1 |
| NOx | 1 |
| SO2 | 1 |
| VOC | 1 |
| PM | 1 |
| PM10 (except Medford AQMA) | 1 |
| PM10/PM2.5 (Medford AQMA) | 0.5 [5.0 lbs/day] |
| Direct PM2.5 | 1 |
| Lead | 0.1 |
| Fluorides | 0.3 |
| Sulfuric Acid Mist | 0.7 |
| Hydrogen Sulfide | 1 |
| Total Reduced Sulfur (including hydrogen sulfide) | 1 |
| Reduced Sulfur | 1 |
| Municipal waste combustor organics (Dioxin and furans) | 0.0000005 |
| Municipal waste combustor metals | 1 |
| Municipal waste combustor acid gases | 1 |
| Municipal solid waste landfill gases | 1 |
| Single HAP | 1 |
| Combined HAP (aggregate) | 1 |

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| **TABLE 5**  **Generic PSELs** | |
| **Pollutant** | **Generic PSEL (tons/year, except as noted)** |
| GreenhouseGases (CO2e) | 74,000 |
| CO | 99 |
| NOx | 39 |
| SO2 | 39 |
| VOC | 39 |
| PM | 24 |
| PM10 (except Medford AQMA) | 14 |
| PM10/PM2.5 (Medford AQMA) | 4.5 [49 lbs/day] |
| Direct PM2.5 | 9 |
| Lead | 0.5 |
| Fluorides | 2 |
| Sulfuric Acid Mist | 6 |
| Hydrogen Sulfide | 9 |
| Total Reduced Sulfur (including hydrogen sulfide) | 9 |
| Reduced Sulfur | 9 |
| Municipal waste combustor organics (Dioxin and furans) | 0.0000030 |
| Municipal waste combustor metals | 14 |
| Municipal waste combustor acid gases | 39 |
| Municipal solid waste landfill gases | 49 |
| Single HAP | 9 |
| Combined HAPs (aggregate) | 24 |