|  **State of Oregon Department of Environmental Quality** **Significant Air Quality Impact**  **Table 1 - OAR 340-200-0020** |
| --- |
| Pollutant | Averaging Time | Air Quality Area Designation |
| Class I | Class II | Class III |
| SO2 (µg/m3)\* | Annual | 0.10 | 1.0 | 1.0 |  |
| 24-hour | 0.20 | 5.9 | 5.0 |  |
| 3-hour | 1.0 | 25.0 | 25.0 |  |
| PM10 (µg/m3) | Annual | 0.20 | 0.20 | 0.20 |  |
| 24-hour | 0.30 | 1.0 | 1.0 |  |
| PM2.5 (µg/m3) | Annual | 0.06 | 0.3 | 0.3 |  |
| 24-hour | 0.07 | 1.2 | 1.2 |  |
| 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 |  |
| \*micrograms/cubic meter\*\*milligrams/cubic meter |  |

|  **State of Oregon Department of Environmental Quality** **Significant Emission Rates** **Table 2 - OAR 340-200-0020****-20-8010)** |
| --- |
| 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 |

|  **State of Oregon Department of Environmental Quality** **Significant Emission Rates for the Medford-Ashland Air** **Quality Maintenance Area** **Table 3 - OAR 340-200-0020** |
| --- |
| Air Contaminant | Emission Rate |
| Annual | Day |  |
| PM10 | (5.0 tons/year)  | (50.0 lbs.) |

|  **State of Oregon Department of Environmental Quality** **De Minimis Emission Levels** **Table 4 - OAR 340-200-0020(33)** |
| --- |
| Pollutant | De minimis (tons/year, except as noted) |
| Greenhouse Gases (CO2e) | 2,756 |  |
| 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 |

|  **State of Oregon Department of Environmental Quality**  **Generic PSELs** **Table 5 - OAR 340-200-0020(60)** |
| --- |
| **Pollutant** | **Generic PSEL** **(tons/year, except as noted)** |
| Greenhouse Gases (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] |  |
| 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 |