



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 |
| SO ₂ (µg/m ³)* | Annual | 0.10 | 1.0 | 1.0 |
| | 24-hour | 0.20 | 5.0 | 5.0 |
| | 3-hour | 1.0 | 25.0 | 25.0 |
| | 1-hour | --- | 8.0 | --- |
| PM ₁₀ (µg/m ³) | Annual | 0.20 | 0.2 | 0.2 |
| | 24-hour | 0.30 | 1.0 | 1.0 |
| PM _{2.5} (µg/m ³) | Annual | 0.06 | 0.3 | 0.3 |
| | 24-hour | 0.07 | 1.2 | 1.2 |
| NO ₂ (µg/m ³) | Annual | 0.10 | 1.0 | 1.0 |
| | 1-hour | --- | 8.0 | --- |
| CO (mg/m ³)** | 8 hour | --- | 0.5 | 0.5 |
| | 1-hour | --- | 2.0 | 2.0 |

* micrograms/cubic meter

** milligrams/cubic meter



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Significant Emission Rates

Table 2 – OAR 340-200-0020

| Pollutant | Emission Rate |
|---|----------------------|
| Greenhouse Gases (CO ₂ e) | 75,000 tons/year |
| Carbon Monoxide | 100 tons/year |
| Nitrogen Oxides (NO _x) | 40 tons/year |
| Particulate Matter | 25 tons/year |
| PM ₁₀ | 15 tons/year |
| Direct PM _{2.5} | 10 tons/year |
| PM _{2.5} precursors (SO ₂ or NO _x) | 40 tons/year |
| Sulfur Dioxide (SO ₂) | 40 tons/year |
| Volatile Organic Compounds (VOC) | 40 tons/year |
| Ozone precursors (VOC or NO _x) | 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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Significant Emission Rates for the Medford-Ashland Air Quality Maintenance Area

Table 3 – OAR 340-200-0020

| Air Contaminant | Emission Rate | |
|------------------|---------------|-------------|
| | Annual | Day |
| PM ₁₀ | (5.0 tons) | (50.0 lbs.) |



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De Minimis Emission Levels

Table 4 – OAR 340-200-0020(33)

| Pollutant | De minimis (tons/year, except as noted) |
|--|---|
| Greenhouse Gases (CO ₂ e) | 2,756 |
| CO | 1 |
| NO _x | 1 |
| SO ₂ | 1 |
| VOC | 1 |
| PM | 1 |
| PM ₁₀ (except Medford AQMA) | 1 |
| PM ₁₀ /PM _{2.5} (Medford AQMA) | 0.5 [5.0 lbs/day] |
| Direct PM _{2.5} | 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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Generic PSELS

Table 5 – OAR 340-200-0020(60)

| Pollutant | Generic PSEL (tons/year, except as noted) |
|--|---|
| GreenhouseGases (CO ₂ e) | 74,000 |
| CO | 99 |
| NO _x | 39 |
| SO ₂ | 39 |
| VOC | 39 |
| PM | 24 |
| PM ₁₀ (except Medford AQMA) | 14 |
| PM ₁₀ /PM _{2.5} (Medford AQMA) | 4.5 [49 lbs/day] |
| Direct PM _{2.5} | 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 |

