AQD EXHIBIT
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**Smoke Management Program**

## COMBINED SMP I AND II STATEWIDE VENTILATION WAIVER FOR BROADCAST AND PILE BURNS

This waiver for burning under fair or poor ventilation conditions is valid for all SMP I and SMP II burns registered in Bernalillo County. Burners do not need to send a waiver request to use this waiver. This waiver may be rescinded or modified at any time by the Air Quality Division (AQD). The following conditions apply to this waiver:

**Table 1: Conditions of This Waiver**

| Condition Category | Description of Condition |
|---|---|
| Planning and preparation | 1. For burns planned under poor conditions, burner registration submitted to the AQD must indicate the prescribed wind directions under which the burn will be done. Burning shall be done only within the specified ranges of parameters sent to the Division.<br>2. Notify local residents and visitors in advance of the planned burn.<br>3. Copies or descriptions of all public notification documents used for the project shall be made available for the AQD to inspect. |
| Tracking and monitoring | 4. Track the ventilation index for the burn project using the Excel form provided by AQD. Submit this form to AQD with the tracking form following the end of the burn project.<br>5. Visual monitoring of the plume shall be recorded hourly. The direction, height, color and character of the plume as well as the prevailing wind direction shall be noted.<br>6. Instrument monitoring may be required on a case-by-case basis. |
| Reporting | 7. Reports summarizing daily burn accomplishment and hourly visual monitoring shall be faxed to the AQD the day following the poor ventilation condition burn day.<br>8. Daily reports shall also summarize any complaints received and the responses to the complaints. |
| Burning specifics | 9. No burning shall be done on Fridays, Saturdays, or Sundays if the ventilation is Poor.<br>10. Blacklining in preparation for burns is allowed under this waiver under any ventilation conditions.<br>11. If wind direction is toward residential areas and the smoke is heavy, ignition shall be stopped as soon as it is safe to do so.<br>12. For those pile burns less than five miles to a population, fire must be extinguished when crews leave the burn project site. Piles shall not be left smoldering. For the purposes of this waiver, "extinguish" means the chunking and/or raking together of the pile as it burns to ensure a clean hot burn.<br>13. The ventilation tables (Tables 3 and 4, below) describe ignition hours and maximum amount that is allowed to be burned with this waiver.<br>14. In order to reduce cumulative impacts of smoke, if **poor** ventilation conditions are |

| | |
|---|---|
| | expected the day after a day that burning under this waiver is planned, use the ventilation index table as if today's ventilation index were 10,000 knot-feet lower than today's predicted value. (This will be done by a simple subtraction of 10,000 knot-feet from whatever today's predicted ventilation value is. See Table 2 for examples of how to calculate today's ventilation. While in **poor** ventilation, this calculation be done daily, and based on Tables 3 and 4, you will adjust your acreage accordingly.) |

**Table 2: Two Examples of how to use the ventilation tables**

| Today's Ventilation Forecast: | Tomorrow's predicted Ventilation Forecast: | Your calculation for **today's** burn day for: Maximum Burn Area-Recently burned (last 2-3 years). Forested understory mainly grasses and litter, small twigs: | Acres you can burn for **today** (from tables below): |
|---|---|---|---|
| POOR 30,000 knot-feet | POOR | 30,000 knot ft – 10,000 knot ft = 20,000 knot ft | 100 |
| POOR 25,000 knot-feet | POOR | 25,000 knot ft – 10,000 knot ft = 15,000 knot ft | Blacklining only |

**Table 3: Ventilation Table for broadcast burns**

| Minimum Ventilation Index (knot-ft) | Maximum Burn Area Grasses and Herbs (acres/day) | Maximum Burn Area Recently burnt (last 2-3 years) Forested understory, mainly grasses and litter, small twigs (acres/day) | Maximum Burn Area Forested area, preferably with large diameter wood removed (acres/day) | Earliest start time | Ignition to be stopped by |
|---|---|---|---|---|---|
| Fair 40,000-59,999 | Unlimited | Unlimited | Unlimited | sunrise | sunset |
| 30,000-39,999 | 500 | 200 | 100 | 9 AM | 3 PM |
| 25,000-29,999 | 400 | 150 | 75 | 10 AM | 3 PM |
| 20,000-24,999 | 300 | 100 | 50 | 11 AM | 3 PM |
| 19,999 or lower | Blacklining only | Blacklining only | Blacklining only | 11 AM | 2 PM |

**Table 4: Ventilation Table for pile burns**

| Minimum Ventilation Index (knot-ft) | Maximum Burn Volume (cubic feet/hour) | Earliest start time | Ignition to be stopped by |
|---|---|---|---|
| Fair 40,000-59,999 | Unlimited | sunrise | sunset |
| 30,000-39,999 | 50,000 | one hour after sunrise | one hour before sunset |
| 25,000-29,999 | 30,000 | 9 AM | 3 PM |
| 20,000-24,999 | 20,000 | 9 AM | 2 PM |