



## New Mexico Smoke Management Program

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

The purpose of this waiver is to allow limited burning during times when ventilation is less than good under conditions that will minimize smoke impacts. This waiver for burning under fair or poor ventilation conditions is valid for all SMP I and SMP II burns registered in the State of New Mexico. 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 This waiver may be rescinded or modified at any time by the Air Quality Bureau (AQB). The following conditions apply to this waiver.

**Table 1: Conditions of This Waiver**

Condition Category	Description of Condition
Planning and preparation	<ol style="list-style-type: none"><li>1. For burns planned under poor conditions, burner registration submitted to the AQB must indicate the prescribed wind directions under which the burn will be done. Burning shall be done only within the specified ranges of wind direction sent to the AQB in the burn registration.</li><li>2. Notify local residents and visitors in advance of the planned burn.</li><li>3. Copies or descriptions of all public notification documents used for the project shall be made available upon request for the AQB to inspect.</li></ol>
Tracking, monitoring, and reporting	<ol style="list-style-type: none"><li>4. Summarize ventilation rate, daily burn accomplishments, hourly visual monitoring (plume characteristics such as height, direction smoke goes, color and thickness) and complaints received using the Daily Waiver Form provided by AQB. The completed Daily Waiver Form shall be uploaded to the Smoke Management System or emailed to AQB by 10:00 am on the day following the day you burned under a waiver.</li><li>5. AQB may require instrument monitoring on a case-by-case basis.</li><li>6. For days when burning under the waiver is cancelled, a cancellation notification shall be sent to the AQB as soon as possible after the cancellation decision has been made.</li></ol>
Burning specifics	<ol style="list-style-type: none"><li>7. No burning (broadcast or pile) shall be done on Fridays, Saturdays, or Sundays if the ventilation is poor.</li><li>8. No ignition shall be initiated under poor conditions if wind direction is toward residential areas. If wind direction shifts toward residential areas after ignition under poor conditions, ignition shall be stopped as soon as it is safe to do so.</li><li>9. For those pile burns less than five miles to a population, piles must be chunked before crews leave the burn project site. For the purposes of this waiver, "chunked" means the shoveling or raking together of the pile as it burns to ensure a clean hot burn.</li><li>10. The ventilation tables (Tables 2 and 3, below) describe ignition hours and maximum amount that is allowed to be burned with this waiver.</li><li>11. For broadcast and pile burning, to reduce cumulative impacts of smoke, if the forecasted ventilation is less than 30,000 knot feet for 2 consecutive days, no burning shall be allowed.</li></ol>

**Table 2: Ventilation Table for Broadcast Burns**

Ventilation Categories	Ventilation Rate <sup>1</sup> (knot-feet)	Maximum Burn Area (acres/day)			Earliest start time*	Ignition shall stopped by*
		Grass	Forest and Shrub			
			Maintenance	Restoration		
FAIR	40,000 – 59,999	Unlimited	Consult with AQB if ≥750 acres/day	Consult with AQB if ≥500 acres/day	sunrise	sunset
POOR	30,000 - 39,999	500	200	100	9 AM	3 PM
POOR	25,000 - 29,999	400	150	75	10 AM	3 PM
POOR	20,000 - 24,999	300	100	50	11 AM	3 PM
POOR	15,000 - 19,999	200	50	25	11 AM	2 PM
POOR	10,000 - 14,999	100	25	12	11 AM	2 PM

**Table 3: Ventilation Table for Pile Burns**

Ventilation Categories	Ventilation Rate <sup>1</sup> (knot-feet)	Maximum Burn Volume (cubic feet/hour)	Earliest start time*	Ignition shall be stopped by*
<b>FAIR</b>	40,000 – 59,999	Unlimited	sunrise	sunset
<b>POOR</b>	30,000 – 39,999	50,000	one hour after sunrise	one hour before sunset
<b>POOR</b>	25,000 – 29,999	30,000	9 AM	3 PM
<b>POOR</b>	20,000 – 24,999	20,000	9 AM	2 PM
<b>POOR</b>	15,000 – 19,999	10,000	10 AM	2 PM
<b>POOR</b>	10,000 – 14,999	5,000	10 AM	2 PM

\*Start and end times are based on generally better ventilation times during the day. If different start and end times are desired, the burner should apply for an individual waiver.

<sup>1</sup>Ventilation Rate refers to the maximum ventilation rate for the day using the forecast that is believed to be most accurate for the burn location.