

Air Quality Rulemaking Docket No. 58-0101-0601

June 23, 2016



DEQ Considerations

- Positive comments were received about current implementation
- When asked, DEQ was unable to scientifically justify that lowering the $PM_{2.5}$ trigger is necessary to ensure crop residue burning does not cause or significantly contribute to a violation of the $PM_{2.5}$ NAAQS
- The NAAQS set a level that is protective of public health
- 75% trigger for $PM_{2.5}$ is consistent with the Nez Perce Tribe program
- Emissions from crop residue burning do not effect ozone concentrations like they do $PM_{2.5}$ concentrations

Twin Falls Area

	Effect on estimated number of burn days from current implementation			
	Assumes 90% of the 2015 ozone NAAQS (63 ppb)			
	60% PM _{2.5}	65% PM _{2.5}	70% PM _{2.5}	75% PM _{2.5}
Average	Gain 28	Gain 29	Gain 29	Gain 30
Maximum	Gain 48	Gain 48	Gain 48	Gain 48
Minimum	Gain 15	Gain 15	Gain 15	Gain 15

Soda Springs Area

	Effect on estimated number of burn days from current implementation			
	Assumes 90% of the 2015 ozone NAAQS (63 ppb)			
	60% PM _{2.5}	65% PM _{2.5}	70% PM _{2.5}	75% PM _{2.5}
Average	Gain 33	Gain 33	Gain 33	Gain 33
Maximum	Gain 50	Gain 50	Gain 52	Gain 52
Minimum	Gain 15	Gain 15	Gain 15	Gain 15

Idaho Falls Area

	Effect on estimated number of burn days from current implementation			
	Assumes 90% of the 2015 ozone NAAQS (63 ppb)			
	60% PM _{2.5}	65% PM _{2.5}	70% PM _{2.5}	75% PM _{2.5}
Average	Gain 29	Gain 29	Gain 30	Gain 30
Maximum	Gain 47	Gain 47	Gain 48	Gain 48
Minimum	Gain 14	Gain 15	Gain 16	Gain 16

Boundary County

Effect on estimated number of burn days from current implementation

	60% PM _{2.5}	65% PM _{2.5}	70% PM _{2.5}	75% PM _{2.5}
Average	Lose 2	Lose 2	Lose 1	NC
Maximum	NC	NC	NC	NC
Minimum	Lose 5	Lose 5	Lose 2	NC

Note: NC = No Change

Moscow Area

Effect on estimated number of burn days from current implementation

Assumes 90% of the 2015 ozone NAAQS
(63 ppb)

	60% PM _{2.5}	65% PM _{2.5}	70% PM _{2.5}	75% PM _{2.5}
Average	Lose 6	Lose 5	Lose 4	Lose 3
Maximum	Lose 2	NC	NC	NC
Minimum	Lose 11	Lose 10	Lose 10	Lose 8

Note: NC = No Change

*Assumes the inclusion of the ozone monitor into the burn decision beginning late 2016.