

Meteorological Conditions

Smoke Management

Favorable Met. Conditions for Smoke Dispersion

- Mixing Height
 - Minimum 1800' (548m)
- Transport Winds
 - 8-20 mph (7-17 knots)(3.6-8.9m/s)
 - (1mph = .868 knots)
 - (1mph = .447m/s)
- Relative Humidity
 - 30-55%
- Preferred Start/Stop Times – 10am to 6pm
- Cloud cover – 30-50% (reduced ozone production)

Category Day

<u>Category Day</u>	<u>Ventilation Rate (m*m/s)*</u>	<u>Burning Guidelines</u>
1	< 2,000	No burning
2	2,000-4,000	No burning until 11am and not before surface inversion has lifted; fire out by 4pm.
3	4,000-8,000	Daytime burning only after surface inversion has lifted.
4	8,000-16,000	Burning anytime. For night burns use backfires with surface wind speeds greater than 4 mph.
5	> 16,000	Unstable and windy. Excellent smoke dispersal but burn with extreme caution!

*Ventilation Rate (m*m/s) = Mixing Height (m) x Transport Wind (m/s)