

# Air Quality Smoke Forecast Report - Rail Fire

Issued for: Wednesday, August 17, 2016

Incident Air Resource Advisor Contact: Ariane Sarzotti ([ariane\\_sarzotti@nps.gov](mailto:ariane_sarzotti@nps.gov)) and Paul Schlobohm

([pschlobo@blm.gov](mailto:pschlobo@blm.gov))

## Weather and Smoke Synopsis

Little change from yesterday as burning conditions remain warm, very dry and moderately unstable. Transport winds are expected to be out of the west northwest. Surface inversion is predicted to lift around 12:00 PM. Crews today will patrol and mop-up the north and east perimeter of the fire. Overnight, fire crews began blacklining the west perimeter of the fire and will continue today if conditions permit. Due to active fire behavior the night before through last night, the fire grew approximately 5,251 acres with acres totaling 21,600. Due to the fire crossing the south perimeter into the Monument Rock Wilderness, fire crews will work to improve an alternate control line. **Unity** conditions in the morning will vary from **Very Unhealthy** to **Hazardous** smoke levels but will become a **Moderate** level around 1:00PM. **Baker City, Burns, John Day, and Prairie City** will have **Good** smoke levels today. **Vale** may see **Moderate** smoke levels due to west northwest transport winds. Expect smoke settling into the drainages overnight.

## Air Quality Outlook

Sites with air quality monitor				
Site	Yesterday Observed Midnight-Midnight August 16, 2016	Today Forecast August 17, 2016	Tomorrow Outlook August 18, 2016	Worse Time of Day Impacts
John Day	Good	Good	Good	Expect <b>Good</b> smoke levels today with possible hazy skies overnight.
Baker City	Good	Good	Good	Expect <b>Good</b> smoke levels today with possible hazy skies overnight.
Burns	Good	Good	Good	Expect <b>Good</b> smoke levels today.
Unity	Hazardous 3:00AM – 12:00PM	Very Unhealthy 5:00AM – 1:00PM	Very Unhealthy 2:00AM – 12:00PM	Conditions in the morning will vary from <b>Very Unhealthy</b> to <b>Hazardous</b> smoke levels but will become a <b>Moderate</b> level by 1:00PM.
	USG: day-night	Moderate: day-night	Moderate: day-night	
Prairie City	Good	Good	Good	Expect <b>Good</b> smoke levels today with possible hazy skies overnight.

Sites without a monitor			
Site	Today	Tomorrow	Worse Time of Day Impacts
Vale	Moderate	Good	Expect <b>Moderate</b> smoke levels today with possible hazy skies overnight.

**Disclaimer: Conditions may change quickly. These predictions are based on anticipated weather and fire activity. AQI estimates for sites do not represent a full 24-hour time period. Instead they reflect a period of time within the day where smoke impacts would be greatest.**

AQI Index	Actions to Protect Yourself
Good	None
Moderate	Unusually sensitive people should consider reducing prolonged or heavy outdoor exertion.
Unhealthy for Sensitive Groups- USG	People with heart or lung disease, children and older adults should reduce prolonged or heavy outdoor exertion. Everyone else should limit prolonged or heavy exertion.
Unhealthy	The following groups should avoid all physical outdoor activity: People with heart or lung disease, children and older adults. Everyone else should avoid prolonged or heavy exertion.
Very Unhealthy	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors.
Hazardous	The following groups should remain indoors and keep activity levels low: People with heart or lung disease; children and older adults. Everyone else should avoid prolonged or heavy exertion

\* Sensitive Groups include people with heart or lung disease, children, pregnant women and older adults

Info on wildfire smoke and your health

Info on how to use Visibility to estimate health impacts from wildfire smoke

