

Deception Fire

Air Quality Report and Outlook for 9/7/14

Yesterday's operations limited fire growth; however, burning of interior islands produces the main smoke plumes. This nighttime burnout combined with continued burning of interior islands resulted in an additional smoke production yesterday's shift. Some of the smoke from yesterday descended on is causing elevated PM concentrations Sunday morning from Dexter east to Oakridge. Smoke also flowed down the Deception creek drainage impacting the Westfir community last night. Oakridge conditions remained good throughout the day and night times.

Today's winds will switch to light west winds increasing by this afternoon, and if conditions are right, the burn team will begin burnout operations on the north west perimeter. Smoke will linger all day from Dexter to Oakridge as smoke drifts down valley. Anticipate Eugene and Cottage Grove to be hazy today, coming under to influence of the Yellow Pine fire. Afternoon winds are forecast to be light west moving smoke to the north and north east with mostly upslope during the day and down slope at night. Cooler temperatures and a more stable atmospheric will suppress lofting with the majority of this smoke settle in the Oakridge area. We forecast the air quality to reach "**Unhealthy for Sensitive Groups**" in Westfir as smoke vents down the Deception Creek drainage this afternoon, and "**Moderate**" for Oakridge into the evening as smoke pools with cooling temperatures.

Deception Complex Smoke Report (prepared by Tod Johnson and Mark Fitch, Air Resource Advisors) Air Quality Forecast for Sunday (Particulate Matter less than 2.5 µm in diameter)

Site	Sunday Morning Sep 7, 2014	Sunday Afternoon Sep 7, 2014	Sunday Evening Sep 7, 2014
Oakridge	Unhealthy for Sensitive Groups	Moderate	Moderate
Westfir	Unhealthy for Sensitive Groups	Moderate	Unhealthy for Sensitive Groups
Dexter	Moderate	Moderate	Moderate

AQI Index (µg/m3)	Potential Health Impacts	Actions to Protect Yourself
Good (0-12)	Air quality is satisfactory and poses little or no health risk.	None
Moderate (13-35)	Air quality is acceptable for most. There may be moderate health concern for a small number of sensitive people.	Unusually sensitive people should consider reducing prolonged or heavy outdoor exertion.
Unhealthy for Sensitive Groups (36-55)	Members of sensitive groups may experience health effects. The general public is not likely to be affected.	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 (56-150)	Everyone may begin to experience more serious health effects.	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 (151-250)	Triggers a health alert, meaning everyone may experience more serious health effects	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors.

For more information see the Oregon Smoke blog: <http://oregonsmoke.blogspot.com>

Air Quality data can be viewed at: <http://www.deq.state.or.us/aqi/index.aspx>