

Deception Fire

Air Quality Report and Outlook for 9/5/14

Burnout operations on the Eastern perimeter above Oakridge combined with increased burning of unburned islands and perimeter edge resulted in an additional 370 acres of fire growth yesterday and through the evening. Smoke was captured by the monitors in Westfir and Oakridge last evening as cool nighttime air flowed down slope into the lower drainages. Today, firing crews will continue burnout operations to strengthen lines on the perimeter west of Oakridge. The smoke from the burnout operation is forecast to disperse to the west and southwest away from Oakridge and Westfir although some smoke will drift into the Oakridge communities this morning. We forecast the air quality to reach **“Unhealthy for Sensitive Groups”** this morning in Westfir and **“Moderate”** for Dexter and Oakridge. Gradual improvement through daytime warming, atmospheric instability and East winds this afternoon but cooling after sundown will result in some smoke pooling in the Oakridge and Westfir communities overnight.

The communities of Cottage Grove and Roseburg will see some smoke this afternoon.

Deception Complex Smoke Report (prepared by Tod Johnson and Mark Fitch, Air Resource Advisors)

Air Quality Forecast for Friday (Particulate Matter less than 2.5 µm in diameter)

Site	Friday Morning Sep 5, 2014	Friday Afternoon Sep 5, 2014	Friday Evening Sep 5, 2014
Oakridge	Moderate	Good	Moderate
Westfir	Unhealthy for Sensitive Groups	Moderate	Unhealthy for Sensitive Groups
Dexter	Moderate	Good	Good

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>