

Deception Fire

Air Quality Report and Outlook for 9/4/14

Drier conditions allowed crews to make good progress initiating the burn out operation the fireline perimeter on the ridge West of the town of Oakridge. About one mile of fireline was made safer as a result of this burn out operation. Some of this smoke was captured by the monitors in Westfir and Oakridge around 9 pm last night as cool nighttime air flowed down slope into the lower drainage.

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 south and southwest away from Oakridge and Westfir, however, we anticipate some smoke to mix into the Oakridge communities this morning following the inversion break around 10 am. We forecast the air quality to reach “**Unhealthy for Sensitive Groups**” this morning with gradual improvement through daytime warming, atmospheric instability and Northeast to East winds this afternoon and evening.

The communities of Cottage Grove and Roseburg may begin to see some smoke this afternoon.

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

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

Site	Thursday Morning Sep 4, 2014	Thursday Afternoon Sep 4, 2014	Thursday Evening Sep 4, 2014
Oakridge	Unhealthy for Sensitive Groups	Moderate	Good
Westfir	Unhealthy for Sensitive Groups	Moderate	Good
Dexter	Good	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>