

Deception Fire

Air Quality Report and Outlook for 9/17/14

Tuesday, control and mop up is the primary fire operations for the remainder of the fire. Clouds and cooler temperatures helped keep the Fire contained overnight, with smoke filling low laying areas during the nighttime hours. Smoke started to lift early, but rolled up slope when the winds switched. After sunset, down slope winds pushed smoke down Deception Creek towards Highway 58. The Westfir recorded "Unhealthy for Sensitive Groups" levels of PM over night and early morning, while Oakridge recorded for only a short period "Moderate". Early afternoon smoke rolled into the Middle Fork Ranger Station for a short period, air quality was in the "Moderate" AQI level.

Today's smoke will transport to the southeast in the morning; the winds will transition to the southwest in afternoon. Forecast for cooler temperatures and higher humidity, and a chance of wetting rain later in the week, may reduce interior fire interior and smoke production. We forecast the morning air quality to reach "Moderate" in Westfir as smoke moves down the Deception Creek drainage, and "Good" for Oakridge. Air quality in the early afternoon may reach the "Good" for a short period clearing to "Moderate" by early evening for Westfir and Oakridge.

Deception Complex Smoke Report (prepared by Mark Fitch, & Claudia Standish, Air Resource Advisors)

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

Site	Wednesday Morning Sep 17, 2014	Wednesday Afternoon Sep 17, 2014	Wednesday Evening Sep 17, 2014
Oakridge	Moderate	Good	Moderate
Westfir	USG	Good	Moderate

AQI Index (µg/m ³)	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>

Deception Complex 24-hour Average Pm 2.5 Concentrations

Wednesday September 17, 2014

