

Deception Fire

Air Quality Report and Outlook for 9/2/14

The Deception fire continued to add minor acreage yesterday as interior pockets continued to burn out. Fire behavior was characterized as creeping and smoldering throughout the day. Slight smoke production was observed over the fire. Winds increase Tuesday afternoon which will help clear smoke out of the area. Warmer and drier conditions return starting on Wednesday.

Burnout operations will begin Tuesday and continue into the week. These burnouts are needed to secure uncontained fire within the perimeter. This will increase smoke impacts. The level of impact will depend on the progress of the burnouts and the weather. Decreased air quality will be realized locally and down valley as this smoke flows to the Northwest during morning hours.

Deception Complex Smoke Report (prepared by John Cook and Tod Johnson, Air Resource Advisors)

Air Quality Outlook (Particulate Matter less than 2.5 µm in diameter)

Site	Tuesday Morning forecast Sep 2, 2014	Tuesday Afternoon forecast Sep 2, 2014	Tuesday Evening forecast Sep 2, 2014
Oakridge	Moderate	Moderate	Moderate
Westfir	Unhealthy for Sensitive Groups	Moderate	Moderate
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>