

Air Quality Summary Report – Beaver Creek Fire
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Issued for: Thursday, August 4, 2016

Weather: Mostly cloudy and warmer this morning. Chance of afternoon thunderstorms today, again Friday, then back to warm and dry by Monday. Transport winds NE to E to SE today, SSW by Friday.

Fire activity: Yesterday the northeastern perimeter in Div G continued to burn actively in stringers of dead lodgepole where sun, wind and slope aligned. Moisture transition in the sagebrush indicates it's ready to burn which it did in Div W, moving downslope with outflow winds to the east. All divisions have potential for active fire behavior again today, and will experience a similar pattern depending on whether and where precipitation actually falls.

Smoke Summary: Yesterday's smoke cast a visible pall to the west of Laramie late afternoon. Downdrafts from passing cells forced moderate levels of smoke down to the surface for short periods affecting Foxpark and Woods Landing-Jelm. Overnight smoke settled hard in the immediate vicinity of the fire and will do so again tomorrow. Tomorrow's activity will be similar; well-dispersed smoke during the day with downdrafts creating localized but briefly intense episodes of exposure, and nighttime impacts in the local fire area through the period.

Air Quality Outlook (smoke-related)

Sites with air quality monitors (based on Air Quality Index for each 24-hr day)

| Site | Yesterday | Today | Tomorrow | When smoke may be worse |
|----------|-----------|-------|----------|-------------------------|
| Laramie | Good | Good | Good | |
| Walden | Good | Good | Good | |
| Cheyenne | Good | Good | Good | |

Locations without monitors

| Site | Today | Tomorrow | When smoke may be worse |
|-----------|-------|----------|--|
| Lake John | Good | Good | Moderate to Unhealthy for Sensitive Groups early morning with good conditions after 8 am |
| Saratoga | Good | Good | |
| Cowdrey | Good | Good | |

Disclaimer: Conditions may change quickly. These predictions are based on anticipated weather and fire activity.

| Air Quality Index (AQI) Levels of Health Concern | ACTIONS TO PROTECT YOURSELF |
|---|--|
| Good | None |
| Moderate | Highly smoke sensitive people should consider reducing prolonged or heavy outdoor exertion. |
| Unhealthy for Sensitive Groups (USG) | People within Sensitive Groups* should <u>reduce</u> prolonged or heavy outdoor exertion. Everyone else may find relief by limiting prolonged or heavy outdoor exertion. |
| Unhealthy | People within Sensitive Groups* should <u>avoid all</u> physical outdoor activity. Everyone else should avoid prolonged or heavy outdoor exertion. |

* Sensitive Groups include people with heart or lung disease, children, pregnant women and older adults

Info on wildfire smoke and your health



Info on how to use Visibility to estimate health impacts from wildfire smoke

