

**Rocky Mountains Cooperative Ecosystem Studies Unit
Project Summary**

Project Title: Air Quality Assessment and Outreach Program

Task Agreement #: L17AC00284 **Modification(s):** 4
Discipline: Natural
Type of Project: Technical Assistance/Research
Funding Agency: Bureau of Land Management
Other Partners/Cooperators: University of Wyoming
Effective Dates: 9/21/2017 – 9/20/2022
Funding Amount: \$750,000

Investigators and Agency Representative:

BLM Contact: Darren Long; 307-775-6111

Investigator: Robert Field, Research Scientist, Atmospheric Science, rfield1@uwyo.edu

Project Abstract:

Objective(s):

- a) Prepare a Quality Assurance Project Plan and Monitoring Plan.
- b) Using their own equipment and assets, the recipient shall use EPA-approved methods to monitor and analyze: Ozone (O₃); nitrogen dioxide (NO₂), and oxides of nitrogen (NO_x); methane (CH₄), and nonmethane hydrocarbons (NMHC); carbon monoxide (CO); and particulate matter (PM_{2.5}) and standard meteorological parameters.
- c) Locate the ambient air and meteorological monitoring equipment to a BLM-designated area. The duration of monitoring activities will be determined by the BLM and subsequent monitoring locations may be identified as field development occurs and/or to address public concerns. All real-time monitoring data collected at the designated site will be made publicly available on the BLM's WARMS website: www.blmwarms.net.
- d) Use EPA equivalent quality assurance techniques to assure that final validated data is of the highest quality and useful for end users. Project reporting is presented using both standard statistical techniques and more advanced visual representations and will provide an authoritative, definitive assessment of the air quality for the project area. Reporting will be provided annually at a minimum.