
Abbreviations and Acronyms Used in this Report

| | |
|------------|---|
| AAQS | Ambient Air Quality Standards |
| ac-ft | acre-foot, acre-feet |
| ACEC | Area of Critical Environmental Concern |
| AML | Abandoned Mine Lands |
| AMLD | Abandoned Mine Lands Division |
| ANC | acid neutralizing capacity |
| ANFO | ammonium nitrate and fuel oil |
| APD | Application for Permit to Drill |
| APE | Area of Potential Effect |
| AQRV | Air Quality Related Values |
| AUM | Animal Unit Month |
| AVF | Alluvial Valley Floor |
| BACT | Best Available Control Technology |
| bcy | bank cubic yards |
| BLM | Bureau of Land Management |
| BNSF | Burlington Northern Santa Fe |
| BOGC | Board of Oil and Gas Conservation |
| BP | before present |
| BTNF | Bridger Teton National Forest |
| Btu/lb | British thermal units per pound |
| C | Celsius |
| ca | circa |
| CAA | Clean Air Act |
| CAAA | Clean Air Act Amendments |
| CBM | coal bed methane |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act of 1980 |
| CFR | Code of Federal Regulations |
| cfs | cubic foot per second |
| CO | carbon monoxide |
| COE | U.S. Army Corps of Engineers |
| dBA, dB(A) | A-weighted decibels |
| DEIS | Draft Environmental Impact Statement |
| DFC | Desired Future Condition |
| DM&E | Dakota, Minnesota & Eastern Railroad Corporation |
| DNRC | Department of Natural Resources and Conservation |
| DOI | Department of the Interior |
| dscf | dry standard cubic foot |
| dv | deciview, a measure of view impairment |
| EA | Environmental Assessment |
| EIA/DOE | Energy Information Administration/Department of Energy |
| EIS | Environmental Impact Statement |
| EPA | Environmental Protection Agency |
| EQC | Environmental Quality Council |
| ESA | Endangered Species Act |
| F | Fahrenheit |
| FDM | Fugitive Dust Model |
| FEIS | Final Environmental Impact Statement |
| FLAG | Federal Land Managers Air Quality Related Values Work Group |
| FLM | Federal Land Manager |

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| | |
|-----------------|---|
| FLPMA | Federal Land Policy Management Act of 1976 |
| ft | feet, foot |
| ft ³ | cubic feet |
| ft/day | feet per day |
| g | gram |
| GLO | General Land Office |
| gpm | gallons per minute |
| HAP | hazardous air pollutant |
| hp | horsepower |
| hr | hour |
| ISC3 | U.S. EPA's Industrial Source Complex |
| km | kilometers |
| LAC | limits of acceptable change (i.e., air quality) |
| LBA | Lease by Application |
| LNCM | Lands Necessary to Conduct Mining |
| LOM | Life of Mine |
| LOP | Life of Project |
| LPI | early part of the Late Prehistoric Period |
| LPII | latter part of the Late Prehistoric Period |
| LRMP | Land and Resource Management Plan |
| MBHFI | migratory birds of high federal interest |
| MBMG | Montana Bureau of Mines and Geology |
| MCF | thousand cubic feet |
| MDEQ | Montana Department of Environmental Quality |
| MDEQ/AWM | Montana Department of Environmental Quality/Air and Waste Management Bureau |
| MEI | maximally exposed individual |
| mg/l | milligrams per liter |
| MLA | Mineral Leasing Act of 1920 |
| MLE | most likely exposure |
| mm | millimeter |
| MM4 | mesoscale model |
| mph | miles per hour |
| MSA | Metropolitan Statistical Area |
| MSHA | Mining Safety and Health Administration |
| MT | Montana |
| NAAQS | National Ambient Air Quality Standards |
| NADP | National Atmospheric Deposition Program |
| NAPG | North American Power Group |
| NCDC | National Climatic Data Center |
| NEPA | National Environmental Policy Act of 1969 |
| NIOSH | National Institute of Occupational Safety and Health |
| NO ₂ | nitrogen dioxide |
| NO _x | nitrogen oxides |
| NPS | National Park Service |
| NRCS | Natural Resources Conservation Service |
| NRHP | National Register of Historic Places |
| NSPS | New Source Performance Standards |
| O ₃ | photochemical oxidants |
| OSHA | Occupational Safety and Health Administration |

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| | |
|-------------------|---|
| OSM, OSMRE | Office of Surface Mining Reclamation & Enforcement |
| P&M | Pittsburg & Midway Coal Mining Company |
| Pb | lead |
| PECS | passive enclosure control systems |
| PILT | Payment in Lieu of Taxes |
| P.M. | Prime Meridian |
| PM _{2.5} | inhalable particulate matter finer than 2.5 microns in effective diameter |
| PM ₁₀ | inhalable particulate matter finer than 10 microns in effective diameter |
| ppbv | parts per billion by volume |
| ppm | parts per million |
| ppmv | parts per million by volume |
| PRB | Powder River Basin |
| PRRCT | Powder River Regional Coal Team |
| PSD | Prevention of Significant Deterioration |
| PSO | Public Services Company of Oklahoma |
| PTE | potential-to-emit |
| RH | relative humidity |
| ROD | Record of Decision |
| SAR | sodium adsorption ratio |
| SARA | Superfund Amendment & Reauthorization Act of 1986 |
| SEO | State Engineer's Office |
| SHPO | State Historic Preservation Office |
| SMCRA | Surface Mining Control and Reclamation Act of 1977 |
| SO | state office |
| SO ₂ | sulfur dioxide |
| T&E | Threatened and Endangered |
| TBCC | Thunder Basin Coal Company |
| TDS | total dissolved solids |
| tpd | tons per day |
| tpy | tons per year |
| TSP | total suspended particulates |
| U.S. | United States |
| USC | United States Code |
| USDA | U.S. Department of Agriculture |
| USDC | U.S. Department of Commerce |
| USDC, BC | U.S. Department of Commerce, Bureau of the Census |
| USDI | U.S. Department of the Interior |
| USFS | U.S. Forest Service |
| USFWS | U.S. Fish and Wildlife Service |
| USGS | U.S. Geological Survey |
| UW | University of Wyoming |
| VOCs | volatile organic compounds |
| VRM | visual resource management |
| WAAQS | Wyoming Ambient Air Quality Standards |
| WAQSR | Wyoming Air Quality Standards and Regulations |
| WDEQ | Wyoming Department of Environmental Quality |
| WDEQ/AQD | Wyoming Department of Environmental Quality/Air Quality Division |

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| | |
|-------------------|---|
| WDEQ/LQD | Wyoming Department of Environmental Quality/Land Quality Division |
| WGFD | Wyoming Game and Fish Department |
| WMA | Wyoming Mining Association |
| WOGCC | Wyoming Oil and Gas Conservation Commission |
| WRCC | Western Regional Climate Center |
| WSGS | Wyoming State Geological Survey |
| WY | Wyoming |
| µeq/L | microequivalents per liter |
| µg/m ³ | micrograms per cubic meter |
| µmhos/cm | micromhos per centimeter |