

List of Acronyms and Abbreviations

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|-------|--|--------|--|
| ABP | —acid-base potential | MBMG | —Montana Bureau of Mines and Geology |
| ACEC | —Area of Critical Environmental Concern | mg/l | —milligrams per liter |
| AML | —Abandoned Mine Land Program | mill | —milliliters per liter |
| AOC | —approximate original contour | MLRD | —Colorado Mined Land Reclamation Division |
| AVF | —alluvial valley floor | MMD | —New Mexico Mining and Minerals Division |
| B | —boron | MMS | —Minerals Management Service |
| BLM | —Bureau of Land Management | Mo | —molybdenum |
| Btu | —British thermal unit | MT | —Montana |
| CDOW | —Colorado Department of Wildlife | N | —nitrogen |
| CFR | —Code of Federal Regulations | NAAQS | —National Ambient Air Quality Standards |
| CHIA | —cumulative hydrologic impact assessment | NAS | —National Academy of Sciences |
| cm/yr | —centimeters per year | NAWDEX | —National Water-Data Exchange |
| c o | —Colorado | ND | —North Dakota |
| DEQ | —Wyoming Department of Environmental Quality | NEPA | —National Environmental Policy Act of 1969 |
| DOI | —U.S. Department of the Interior | NGWIC | —National Ground Water Information Center |
| DSL | —Montana Department of State Lands | NM | —New Mexico |
| EA | —environmental assessment | NOAA | —National Oceanic and Atmospheric Administration (DOI) |
| EC | —electrical conductivity | NOV | —Notice of Violation |
| ECO | —engineered cast overburden | NPDES | —National Pollutant Discharge Elimination System |
| EHF | —essential hydrologic functions | NRC | —National Research Council |
| EIS | —Environmental Impact Statement | NSPS | —New Source Performance Standard |
| EMRIA | —Energy Minerals Rehabilitation Inventory and Analysis | OSM | —Office of Surface Mining |
| EPA | —U.S. Environmental Protection Agency | OTA | —Office of Technology Assessment |
| EPRI | —Electric Power Research Institute | PHC | —probable hydrologic consequences |
| ESP | —exchangeable sodium percent | ppm | —parts per million |
| FCLAA | —Federal Coal Leasing Amendments Act of 1976 | PRP | —Federal permanent regulatory program |
| FDM | —finite-difference model | Psc | —North Dakota Public Service Commission |
| FEM | —finite-element model | RA | —regulatory authority |
| FLPMA | —Federal Land Policy and Management Act of 1976 | RCT | —Regional Coal Team |
| FONSI | —finding of no significant impact | SAR | —sodium adsorption ratio |
| ft | —foot | Sat% | —moisture content saturation |
| FWS | —U.S. Fish and Wildlife Service | SCs | —Soil Conservation Service |
| FY | —fiscal year | Se | —selenium |
| GAGMO | —Gillette Area Groundwater Monitoring Organization | SEAM | —Surface Environment and Mining Program |
| gpd | —gallons per day | SMCRA | —Surface Mining Control and Reclamation Act of 1977 |
| gpm | —gallons per minute | SSA | —Site-specific Analysis |
| HEP | —Habitat Evaluation Procedures program | TDS | —total dissolved solids |
| KRCRA | —Known Recoverable Coal Resource Area | tpd | —tons per day |
| lb | —pound | | |
| m | —meter | | |

tpy —tons per year
TSS —total suspended solids
TVA —Tennessee Valley Authority
URA —Unit Resource Analysis
Usc —United States Code
USDA —U.S. Department of Agriculture
USFS —U.S. Forest Service

USGS —U.S. Geological Survey
USLE —Universal Soil Loss Equation
WATSTORE—National Water-Data Storage and
Retrieval System
WWRC —Wyoming Water Research Center
WY —Wyoming