

List of Acronyms and Abbreviations

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