

**Abbreviations and Acronyms Used in this Report**

ANC	acidification neutralization capacity
AQD	Air Quality Division, Wyoming Department of Environmental Quality
AQRV	Air quality related values
ARCO	Atlantic Richfield Company
AREV	SEO water rights database and program
AUM	animal unit month
AVF	alluvial valley floor
BACT	Best Available Control Technology
bcy	bank cubic yards
BLM	Bureau of Land Management, US Department of the Interior
BN-UP, BN&UP	Burlington Northern-Union Pacific
Btu	British Thermal Unit
CBM	coal bed methane
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFR	Code of Federal Regulations
CHIA	Cumulative Potential Hydrologic Impacts Assessment
CO	carbon monoxide
COE	US Army Corps of Engineers
dBA	A-weighted scale, decibels
DM&E	Dakota, Minnesota and Eastern Railroad Corporation
EA	environmental assessment
EIS	environmental impact statement
EPA	US Environmental Protection Agency
FCLAA	Federal Coal Leasing Amendments Act of 1976
FLPMA	Federal Land Policy Management Act of 1976
GAGMO	Gillette Area Groundwater Monitoring Organization (coal operators)
GNP	Gross National Product
GSP	Gross State Product
gpm	gallons per minute (equivalent to 0.002 cfs, approximately)
IBLA	Interior Board of Land Appeals
LAC	limits of acceptable change (re: air quality)
LBA	lease by application
LMU	logical mining unit
LQD	Land Quality Division, Wyoming Department of Environmental Quality
MBHFI	migratory birds of high federal interest
mcf	thousand cubic feet
mmtpy	million tons per year
µeq/l	microequivalents per liter
mg/l	milligrams per liter (1 mg = 1 ppm [part per million]; 1 liter = 0.264 gallons)

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µg/m <sup>3</sup>	micrograms per cubic meter (1 cubic meter = 1.308 cubic yards)
MLA	Mineral Leasing Act of 1920
µmhos/cm	micromhos per centimeter {thousandths of unit of specific conductance) (a measure of electrical conductivity)
Mw	megawatts
NAAQS	National Ambient Air Quality standards
NEPA	National Environmental Policy Act of 1969
NO <sub>x</sub>	nitrogen oxides
NRCS	Natural Resources Conservation Service, US Department of Agriculture
NRHP	National Register of Historic Places
O <sub>3</sub>	Ozone
OSM	Office of Surface Mining Reclamation and Enforcement
pH	acidity, measured in standard units
PM <sub>10</sub>	particulates finer than 10 microns (respirable)
PRB	Powder River Basin
PSD	prevention of significant deterioration
PRRCT	Powder River Regional Coal Team
RCRA	Resource Conservation and Recovery Act
RMP	resource management plan
ROW	right-of-way
SARA	Superfund Amendments and Reauthorization Act of 1986
SHPO	State Historic Preservation Officer
SEO	State Engineer's Office
SMCRA	Surface Mining Control and Reclamation Act of 1977
SO <sub>2</sub>	sulfur dioxide
TDS	total dissolved solids
TSS	total suspended solids
T&E	threatened and endangered
TSP	total suspended particulates
US	United States
USDA	US Department of Agriculture
USDI	US Department of the Interior
USFS	US Forest Service
USFWS	US Fish and Wildlife Service
USGS	Geological Survey, United States Department of the Interior
UW	University of Wyoming
VRM	Visual Resource Management
WCIC	Wyoming Coal Information Council
WDEQ	Wyoming Department of Environmental Quality
WDEQ/LQD	Wyoming Department of Environmental Quality/Land Quality Division
WDEQ/AQD	Wyoming Department of Environmental Quality/Air Quality Division
WMA	Wyoming Mining Association
WOGCC	Wyoming Oil and Gas Conservation Commission