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Abbreviations and Acronyms Used in this Report

AAQS	Ambient Air Quality Standards
Ac	acre(s)
ACC	Antelope Coal Company
ac-ft	acre-foot, acre-feet
ac-ft/yr	acre-foot per year, acre-feet per year
AIRS	Aerometric Information and Retrieval System
ALC	Ark Land Company
AML	Abandoned Mine Land
ANC	acidification neutralization capacity
ANFO	ammonium nitrate fuel oil
APLIC	Avian Power Line Interaction Committee
AQD	Air Quality Division
AQIA	air quality impact analysis
AQRV	air quality related values
ARCO	Atlantic Richfield Company
ARS	Air Resource Specialists, Inc.
AUM	animal unit month
AVF	alluvial valley floor
BACT	best available control technology
bcf	billion cubic feet
bcy	bank cubic yards
BLM	Bureau of Land Management
BNSF	Burlington Northern Santa Fe
BNSF-UP, BNSF&UP	Burlington Northern Santa Fe and Union Pacific
BN-UP, BN&UP	Burlington Northern-Union Pacific
BOE	barrels of oil equivalent
B.P.	before present
Btu	British thermal units
Btu/lb	British thermal units per pound
CAA	Clean Air Act
CAAA	Clean Air Act Amendment
CAGR	compounded annual growth rate
CANDO	Converse Area New Development Organization
CBNG	coal bed natural gas
CCBC	Campbell County Board of Commissioners
CCC	Caballo Coal Company
CCEDC	Campbell County Economic Development Corporation
CCSD	Campbell County School District
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFR	Code of Federal Regulations
cfs	cubic feet per second
CHIA	Cumulative Hydrologic Impact Assessment
CMC	Cordero Mining Company
CO	carbon monoxide
CO ₂	carbon dioxide
CO ₂ e	equivalent carbon dioxide
COE	U.S. Army Corps of Engineers
CREG	Consensus Revenue Estimating Group
CRI	Caballo Rojo, Inc.
CWA	Clean Water Act

Abbreviations and Acronyms

Abbreviations and Acronyms Used in this Report

cy	cubic yards
dBA	A-weighted decibels
DEIS	Draft Environmental Impact Statement
DM&E	Dakota, Minnesota & Eastern Railroad Corporation
DNRC	Department of Natural Resources and Conservation
DOI	Department of the Interior
dv	deciview, a measure of view impairment
EA	Environmental Assessment
EC	elemental carbon particles (re: air quality)
EIS	Environmental Impact Statement
ENCOAL	Encoal Corporation
EOR	enhanced oil recovery
EPA	Environmental Protection Agency
EQC	Environmental Quality Council
ESA	Endangered Species Act
EUR	estimated ultimate recovery
EVG	Erathem-Vanir Geological, PLLC
F	Fahrenheit
FAA	Federal Aviation Administration
FCLAA	Federal Coal Leasing Act Amendments of 1976
FCW	Foundation Coal West, Inc.
FDM	Fugitive Dust Model
FEA	Final Environmental Assessment
FEIS	Final Environmental Impact Statement
FERC	Federal Energy Regulatory Commission
FLM	Federal Land Management
FLPMA	Federal Land Policy Management Act of 1976
FR	Federal Register
FRA	Federal Railroad Administration
ft	feet, foot
ft/day	feet per day
ft/mile	feet per mile
ft ³	cubic feet
FY	fiscal year
g	Gram
GAO	General Accounting Office
GAGMO	Gillette Area Ground Water Monitoring Organization
gpm	gallons per minute
GSP	Gross State Product
HAP	Hazardous Air Pollutant
HIA	health impact assessment
hp	horsepower
hr	hour
IBLA	Interior Board of Land Appeals
ISCLT3	Industrial Source Complex Model, Long Term Version 3
IMPROVE	Interagency Monitoring of Protected Visual Environments
km	kilometers
kV	kilovolts
LAC	limits of acceptable change (re: air quality)
LBA	lease by application
lbs/mmBtu	pounds per million British thermal units

Abbreviations and Acronyms Used in this Report

LFC	liquids from coal
LNCM	Lands Necessary to Conduct Mining
LOP	life of project
LRMP	Land and Resource Management Plan
LRPL	most restrictive proposed limits
LW	Lower Wyodak coal seam
MACT	Maximum Achievable Control Technology
MBHFI	migratory birds of high federal interest
μmhos/cm	micromhos per centimeter
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
μeq/L	microequivalents per liter
μg/m ³	micrograms per cubic meter
mg/L	milligrams per liter
MLA	Mineral Leasing Act of 1920
MLE	most likely exposure
mm	million
mmbcy	million bank cubic yards
mmbo	million barrels of oil
mmcf	million cubic feet
mmcfpd	million cubic feet of gas per day
mmgpy	million gallons per year
mmt	million tons
mmtpy	million tons per year
mph	miles per hour
MRPL	most restrictive proposed limits
MSA	Metropolitan Statistical Area
MSHA	Mine Safety & Health Administration
MW	Megawatts
NAAQS	National Ambient Air Quality Standards
NADP	National Atmospheric Deposition Program
NAPG	North American Power Group
NCTA	National Coal Transportation Association
NEPA	National Environmental Policy Act of 1969
NERC	North American Electric Reliability Corporation
NIOSH	National Institute of Occupational Safety and Health
NO	nitrogen oxide
NOAA	National Oceanic and Atmospheric Administration
NO ₂	nitrogen dioxide
NO _x	nitrogen oxides
NPDES	National Pollution Discharge Elimination System
NPS	National Park Service
NRCS	National Resource Conservation Service
NRHP	National Register of Historic Places
NSPS	National Source Performance Standards
NWI	National Wetlands Inventory
NWLWG	Northeast Wyoming Local Sage-Grouse Working Group
O ₃	photochemical oxidants

Abbreviations and Acronyms

Abbreviations and Acronyms Used in this Report

OC	organic carbon particles
ORV	off road vehicle
OSHA	Occupational Safety and Health Administration
OSM	Office of Surface Mining Reclamation & Enforcement
OWUS	other waters of the U.S.
PECs	passive enclosure control systems
PFYC	Probable Fossil Yield Classification
P.M.	Prime Meridian
PM _{2.5}	particulates finer than 2.5 microns in effective diameter
PM ₁₀	particulates finer than 10 microns in effective diameter
PMT	postmining topography
ppm	parts per million
PRB	Powder River Basin
PRBRC	Powder River Basin Resource Council
PRCC	Powder River Coal Company
PRRCT	Powder River Regional Coal Team
PSD	Prevention of Significant Deterioration
R2P2	Resource Recovery and Protection Plan
RAG	RAG Coal West, Inc.
RH	relative humidity
RMP	Resource Management Plan
ROD	Record of Decision
ROW	Right-of-Way
RV	recreational vehicle
SAR	sodium adsorption ratio
SARA	Superfund Amendment & Reauthorization Act of 1986
scf/ton	standard cubic feet per ton
SCSD	Sheridan County School District
SEIS	Supplemental Environmental Impact Statement
SEO	State Engineer's Office
SHPO	State Historic Preservation Office
SIP	State Implementation Plan
SMCRA	Surface Mining Control and Reclamation Act of 1977
SO ₂	sulfur dioxide
SO _x	sulfur oxides
SPL	Sound pressure level
SPRB	South Powder River Basin
STB	Surface Transportation Board
T&E	threatened and endangered
TBCC	Thunder Basin Coal Company, LLC
TBNG	Thunder Basin National Grassland
TCO	temporary cessation of operations
TDS	total dissolved solids
TJS	Thunderbird, Jones & Stokes
TPY	tons per year
TSP	total suspended particulates
TSS	total suspended solids
UP	Union Pacific
U.S.	United States
USC, U.S.C.	United States Code
USDA	U.S. Department of Agriculture

Abbreviations and Acronyms Used in this Report

USDI	U.S. Department of the Interior
USGS	U.S. Geological Survey
USFS	U.S. Department of Agriculture - Forest Service
USFWS	U.S. Fish and Wildlife Service
UW	University of Wyoming
VMT	vehicle miles traveled
VOCs	volatile organic compounds
VRM	visual resource management
WA	Wilderness Area
WAAQS	Wyoming Ambient Air Quality Standards
WAQSR	Wyoming Air Quality Standards and Regulations
WARMS	Wyoming Air Resources Monitoring System
WCIC	Wyoming Coal Information Committee
WDEQ	Wyoming Department of Environmental Quality
WDEQ/AQD	Wyoming Department of Environmental Quality/Air Quality Division
WDEQ/LQD	Wyoming Department of Environmental Quality/Land Quality Division
WFA	Western Fuels Association
WGFD	Wyoming Game and Fish Department
WMA	Wyoming Mining Association
WOC	Wyoming Outdoor Council
WOGCC	Wyoming Oil and Gas Conservation Commission
WoUS	Waters of the U.S.
WRCC	Western Regional Climate Center
WRI	Water Resources Research Institute
WSBLC	Wyoming State Board of Land Commissioners
WSFC	Wyoming School Facilities Commission
WSGS	Wyoming State Geological Survey
WSO-RMG	Wyoming State Office Reservoir Management Group (BLM)
WYDOT	Wyoming Department of Transportation