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Acronyms and Abbreviations

bbls	barrels
Bcf	billion cubic feet
BWPD	barrels of water per day
CIAA	Cumulative Impact Assessment Area
DOI	U.S. Department of the Interior
dBA	decibels
dv	deciview
EA	Environmental Assessment
EIS	Environmental Impact Statement
EO	Executive Order
EPA	Environmental Protection Agency
ERMA	Extensive Recreation Management Area
ESA	Endangered Species Act of 1973
F	Fahrenheit
FAS	fishing access sites
FEMA	Federal Emergency Management Act
Fidelity	Fidelity Exploration & Production Company
FLAG	Federal Land Managers' Air Quality Related Values Workgroup
FLPMA	Federal Land Policy and Management Act
FMDH	Frances Mahon Deaconess Hospital
FMR	federal mineral royalties
frac	fracture stimulation
ft	foot (or feet)
FWS	U.S. Fish and Wildlife Service
FY	fiscal year
GAP	Montana Gap Analysis Program
GFFS	Great Falls Field Station
GIS	geographic information system
g/hp-hr	grams per horsepower-hour
gpd	gallons per day
gpm	gallons per minute
GPS	Global Positioning System
HAP	hazardous air pollutants
HDPE	high-density polyethylene
hp	horsepower
H_2S	hydrogen sulfide
HUC	hydrologic Unit Code
HWA	Hayden-Wing Associates
ID	interdisciplinary
IDT	interdisciplinary team
IMPROVE	Interagency Monitoring of PROtected Visual Environments
in	inches
JVPRMP	Judith Valley Phillips Resource Management Plan
kg	kilograms
kg/ha	kilograms per hectare
km	kilometer

LOP	life of project
LOS	levels of service
m	meter
MAAQS	Montana Ambient Air Quality Standards
MBOGC	Montana Board of Oil and Gas Conservation
MCA	Montana County Noxious Weed Act
MCF	thousand cubic feet
mcfd	thousand cubic feet per day
mcfgpd	thousand cubic feet of gas per day
mg/l	milligrams per liter
MBDD	Montana Bird Distribution Database
MDEQ	Montana Department of Environmental Quality
MDEQ-ARMB	Montana Department of Environmental Quality – Air Resources Management Bureau
MDT	Montana Department of Transportation
MDU	Montana Dakota Utilities
MFO	Malta Field Office
MFWP	Montana Department of Fish, Wildlife and Parks
mm	millimeter
mph	miles per hour
mscfd	thousand standard cubic feet per day
MT	Montana, Montana State Highway
MTNHP	Montana Natural Heritage Program
N_2	nitrogen
NA	not applicable
NAAQS	National Ambient Air Quality Standards
NASIS	National Soils Information System
NEPDG	National Energy Policy Development Group
NEPA	National Environmental Policy Act
NHPA	National Historic Preservation Act
NO_x	nitrogen oxide
NO_2	nitrogen dioxide
NO_3^-	nitrate
NP	National Park
NRCS	National Resource Conservation Service
NRHP	National Register of Historic Places
NSR	New Source Review
NTL	Notice to Lessee
NTU	Nephelometric Turbidity Unit
NWR	National Wildlife Refuge
O_3	ozone
OSHA	Occupational Safety and Health Administration
pH	acidity measurement unit (negative logarithm of the hydrogen ion [H^+] concentration)
PEM	palustrine, emergent, seasonally flooded
$PM_{2.5}$	particulate matter less than 2.5 microns in effective diameter
PM_{10}	particulate matter less than 10 microns in effective diameter
ppm	parts per million
PSD	prevention of significant deterioration
RCRA	Resource Conservation and Recovery Act

RFD	reasonably foreseeable development
RMP	Resource Management Plan
RO	reverse osmosis
ROD	Record of Decision
rpm	revolutions per minute
RV	recreational vehicle
SAR	sodium absorption ratio
SARA	Superfund Amendments and Reauthorization Act
SHPO	State Historic Preservation Office
SO_2	sulfur dioxide
SPCC	Spill Prevention Control and Countermeasures
SVR	standard visual range
TCF	trillion cubic feet
TD	total depth (well)
TDS	total dissolved solids
Thalweg	The line defining the lowest points along the length of a river bed or valley
TMDL	total maximum daily load
TNW	Traditionally Navigable Water
TPQ	threshold planning quantity
TSS	total suspended solids
USDA	United States Department of Agriculture
USDI	United States Department of the Interior
USFS	U.S. Forest Service
USGS	United States Geological Survey
VOC	volatile organic compounds
VRM	visual resource management
WBIP	Williston Basin Interstate Pipelines
WSA	Wilderness Study Area
^{o}F	degrees Fahrenheit
µg/m3	micrograms per cubic meter