

List of Abbreviations and Acronyms

°F	degrees Fahrenheit
µg/m ³	micrograms per cubic meter
µS/cm	microSiemens per centimeter; a measure of conductivity
ACHP	Advisory Council on Historic Preservation
AEUB	Alberta Energy and Utilities Board
AGS	Armor grip suspension
AIRFA	American Indian Religious Freedom Act of 1978
amsl	above mean sea level
ANSI	American National Standards Institute
AOPL	Association of Oil Pipelines
APC	area of probable concern
APE	area of potential effects
APHIS	Animal and Plant Health Inspection Service
API	American Petroleum Institute
APLIC	Avian Power Line Interaction Committee
AQCR	Air Quality Control Regions
ARG	American Resources Group, Ltd.
ARM	Administrative Rules Montana
ARPA	Archeological Resources Protection Act
ASRD	Alberta Sustainable Resource Development
bgs	below ground surface
BIA	Bureau of Indian Affairs
BLM	Bureau of Land Management
BMP	best management practice
bpd	barrels per day
C&SD	Conservation and Survey Division
CAA	Clean Air Act
CAPP	Canadian Association of Petroleum Producers
CEQ	Council on Environmental Quality
CFR	Code of Federal Regulations
CMRP	Construction, Mitigation, and Reclamation Plan
CO	carbon monoxide
CO ₂	carbon dioxide

CRP	Conservation Reserve Program
CWA	Clean Water Act
CWS	Canadian Wildlife Service
CZMA	Coastal Zone Management Act of 1972
dBA	decibels on the A-weighted scale
DEQ	Department of Environmental Quality
DNRC	Department of Natural Resources and Conservation
DOS	Department of State
DPHHS	Department of Public Health and Human Services
EFH	essential fish habitat
EIA	Energy Information Administration
EIS	Environmental Impact Statement
EMF	Electro magnetic field
EO	Executive Order
ERP	Emergency Response Plan
ESA	Endangered Species Act
ESRI	Environmental Systems Research Institute
FBE	fusion-bonded epoxy
FCC	Federal Communications Commission
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FHA	Federal Highway Administration
FLPMA	Federal Land Policy and Management Act
FR	Federal Register
GAP	National Gap Analysis Program
GEP	good engineering practice
GHG	green house gas(es)
GIS	Geographic Information System
GLO	General Land Office
GPA	Game Production Area
gpm	gallons per minute
H ₂	hydrogen gas
HAP	hazardous air pollutant
HCA	high consequence area
HDD	horizontal directional drill

HSI	Habitat Suitability Index
HPRCC	High Plains Regional Climate Center
IFR	internal floating roof
IMP	integrity Management Plan
IPL	Institute of Public Law
KDHE	Kansas Department of Health and Environment
Keystone	TransCanada Keystone Pipeline, LP
KGS	Kansas Geological Survey
kPa	kilopascal
KSDA	Kansas Department of Agriculture
Ksi	pounds per square inch
kV	kilovolt
Ldn	day-night sound level
LEPC	Local Emergency Planning Committee
LNG	liquefied natural gas
LULC	land use and land cover
MACT	Maximum Achievable Control Technology
MBTA	Migratory Bird Treaty Act
MCA	Montana Code Annotated
MDEQ	Montana Department of Environmental Quality
MEPA	Montana Environmental Policy Act
MFSA	Major Facilities Siting Act
MFWP	Montana Fish, Wildlife, and Parks
mg/l	milligrams per liter
MGWPCS	Montana Ground Water Pollution Control System
MLA	Mineral Leasing Act
MLV	main line valve
MNHP	Montana Natural Heritage Program
MOP	maximum operating pressure
MPDES	Montana Pollutant Discharge Elimination System
MSGWG	Montana Sage Grouse Work Group
MUID	Map Unit Identification
MVA	million volt-amp
mya	million years ago
NAAQS	National Ambient Air Quality Standards

NAC	Nebraska Administrative Code
NAGPRA	Native America Graves Protection and Repatriation Act
NASS	National Agricultural Statistical Service
NAUS	National Atlas of the United States
NDA	Nebraska Department of Agriculture
NHD	National Hydrography Dataset
NDT	non-destructive testing
NEAAQS	Nebraska Ambient Air Quality Standards
NEDEQ or NDEQ	Nebraska Department of Environmental Quality
NEDNR	Nebraska Department of Natural Resources
NEPA	National Environmental Policy Act
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NFIP	National Flood Insurance Program
NGPC	Nebraska Game and Parks Commission
NGPD	Nebraska Game and Parks Department
NHP	Natural Heritage Program
NHPA	National Historic Preservation Act of 1986
NLCD	National Land Cover Database
NMFS	National Marine Fisheries Service
NNSR	Nonattainment New Source Review
NO ₂	nitrogen dioxide
NOAA	National Oceanic and Atmospheric Association
NOGCC	Nebraska Gas and Oil Conservation Commission
NO _x	nitrogen oxide
NPDES	National Pollutant Discharge Elimination System
NPS	National Park Service
NRC	National Response Center
NRCS	Natural Resources Conservation Service
NRD	Natural Resources District
NRHP	National Register of Historic Places
NRI	National Rivers Inventory
NSA	noise sensitive areas
NSPS	New Source Performance Standards
NSR	New Source Review
NVCS	National Vegetation Classification System

NWI	National Wetland Inventory
NWP	nationwide permits
NWR	National Wildlife Refuge
NWSRS	Nebraska Wild and Scenic River System
O ₂	oxygen gas
O ₃	ozone
OAFF	Oklahoma Agriculture Food and Forestry
OCC	Operations Control Center
ODWC	Oklahoma Department of Wildlife Conservation
ONHI	Oklahoma Natural Heritage Inventory
OPS	Office of Pipeline Safety
OSHA	Occupational Safety and Health Administration
PADD III	Petroleum Administration for Defense District III
PEM	palustrine emergent wetland
PFO	palustrine forested wetland
PFYC	Potential Fossil Yield Classification
PHMSA	Pipeline Hazardous Material Safety Administration
POD	Plan of Development
ppb	parts per billion
ppm	parts per million
ppmw	parts per million by weight
Project	Keystone XL Project
PSD	prevention of significant deterioration
psi	pounds per square inch
psia	pounds per square inch absolute
psig	pounds per square inch gauge
PSS	palustrine scrub shrub wetland
PWMB	Piney Woods Mitigation Bank
PWS	Public Water and Sewer
RCW	red-cockaded woodpecker
RFI	radio frequency interference
RMPs	Resource Management Plans
ROW	right-of-way
RSA	regional study area
RWBC	Rainwater Basin Complex

SAL	State Archaeological Landmark
SARC	State Archaeological Research Center
SCADA	Supervisory Control and Data Acquisition
SDCL	South Dakota Common Law
SDCWCS	South Dakota Comprehensive Wildlife Conservation Service
SDDENR	South Dakota Department of Environment and Natural Resources
SDGFP	South Dakota Game, Fish, and Parks
SDNHD	South Dakota Natural Heritage Database
SDPUC	South Dakota Public Utilities Commission
SDGS	South Dakota Geological Survey
SGSK	State Geological Survey of Kansas
SHPO	State Historic Preservation Office(er)
SIP	State Implementation Plan
SMYS	specified minimum yield strength
SO ₂	sulfur dioxide
SPCC	Spill Prevention, Control, and Countermeasure
SSURGO	Soil Survey Geographic database
SWCA	SWCA Environmental Consultants
SWPA	Source Water Protection Area
SWPPP	Stormwater Pollution Prevention Plan
TAC	Texas Historical Commission
TARL	Texas Archaeological Research Laboratory
TBD	To Be Determined
TCEQ	Texas Commission on Environmental Quality
TCP	traditional cultural properties
TDS	total dissolved solids
TERP	Texas Emissions Reduction Plan
THC	Texas Historical Commission
THPO	Tribal Historic Preservation Officer
TMDL	total maximum daily load
TNC	transient non-community
TOPS	Texas Offshore Port System
TPWD	Texas Parks and Wildlife Department
tpy	tons per year
TSS	total suspended solids

TWAs	temporary workspace areas
TxLED	Texas Low Emission Diesel
TXNDD	Texas Natural Diversity Database
UPS	uninterrupted power supply
US	United States
USACE	US Army Corps of Engineers
USBR	US Bureau of Reclamation
USC	United States Code
USCG	US Coast Guard
USDA	US Department of Agriculture
USDA SCS	US Department of Agriculture-Soil Conservation Service
USDOT	US Department of Transportation
USEPA	US Environmental Protection Agency
USFWS	US Fish and Wildlife Service
USGS	US Geological Survey
VEC	valued ecosystem component
VOC	volatile organic compounds
VOL	volatile organic liquid
VRM	visual resource management
WAPA	Western Area Power Administration
WCS	Western Canadian Select
WCSB	Western Canadian Sedimentary Basin
WHMA	wildlife habitat management area
WMA	wildlife management area
WRCC	Western Regional Climate Center
WRP	Wetland Reserve Program
WRPA	water resource protection areas
WSA	wilderness study area