FINAL

ENVIRONMENTAL IMPACT STATEMENT FOR THE PITTSBURG AND MIDWAY COAL MINING COMPANY LAND EXCHANGE

Prepared for

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and

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TABLE OF CONTENTS

EXECUTIVE SUMMARY ES-1

1.0 INTRODUCTION 1-1
- 1.1 Purpose and Need for Action 1-9
- 1.2 Regulatory Authority and Responsibility 1-11
- 1.3 Relationship to BLM Policies, Plans, and Programs 1-12
- 1.4 Conformance with Existing Land Use Plans 1-12
- 1.5 Consultation and Coordination 1-15

2.0 PROPOSED ACTION AND ALTERNATIVES 2-1
- 2.1 Proposed Action 2-1
- 2.2 Alternative 1 2-13
- 2.3 Alternatives Considered but Not Analyzed in Detail 2-13
  - 2.3.1 Alternative 2 2-13
  - 2.3.2 Alternative 3 2-14
- 2.4 Comparison of Alternatives 2-14

3.0 AFFECTED ENVIRONMENT 3-1
- 3.1 Bridger Lands 3-1
- 3.2 JO Ranch Lands 3-5
- 3.3 Welch Lands 3-7
- 3.4 PSO Tract 3-15
  - 3.4.1 General Setting 3-15
  - 3.4.2 Topography and Physiography 3-17
  - 3.4.3 Geology 3-17
    - 3.4.3.1 Mineral Resources 3-21
  - 3.4.4 Soils 3-25
  - 3.4.5 Air Quality and Climate 3-27
    - 3.4.5.1 Topography 3-22
    - 3.4.5.2 Climate and Meteorology 3-28
    - 3.4.5.3 Regulatory Framework 3-31
    - 3.4.5.4 Existing Air Quality 3-34
    - 3.4.5.5 Historical Ambient Air Quality: Particulates 3-38
    - 3.4.5.6 Historical Ambient Air Quality: NO_2 3-42
    - 3.4.5.7 Air Quality Related Values-Visibility and Acidification of Lakes 3-44
  - 3.4.6 Water Resources 3-45
    - 3.4.6.1 Groundwater 3-45
    - 3.4.6.2 Surface Water 3-54
    - 3.4.6.3 Water Rights 3-57
  - 3.4.7 Alluvial Valley Floors 3-58

3.4.8 Wetlands 3-59
3.4.9 Vegetation 3-60
3.4.9.1 Threatened, Endangered, Proposed, and Candidate Plant Species, BLM Sensitive Species, and State Species of Special Concern 3-61
3.4.10 Wildlife 3-61
3.4.10.1 Wildlife Resources 3-61
3.4.10.2 Big Game 3-62
3.4.10.3 Other Mammals 3-63
3.4.10.4 Raptors 3-63
3.4.10.5 Game Birds 3-63
3.4.10.6 Migratory Bird Species of Management Concern in Wyoming 3-65
3.4.10.7 Other Species 3-67
3.4.10.8 Threatened, Endangered, Proposed, and Candidate Animal Species, BLM Sensitive Species, and State Species of Special Concern 3-67
3.4.11 Ownership and Use of Land 3-67
3.4.12 Cultural Resources 3-76
3.4.12.1 Prehistoric Resources 3-79
3.4.12.2 Historic Resources 3-81
3.4.13 Native American Consultation 3-84
3.4.14 Paleontological Resources 3-86
3.4.15 Visual Resources 3-87
3.4.16 Noise 3-88
3.4.17 Transportation Facilities 3-91
3.4.18 Socioeconomics 3-91
3.4.18.1 Population 3-91
3.4.18.2 Local Economy 3-92
3.4.18.3 Employment 3-93
3.4.18.4 Housing 3-94
3.4.18.5 Local Government Facilities and Services . 3-94
3.4.18.6 Social Conditions 3-95
3.4.18.7 Environmental Justice 3-96
3.4.19 Hazardous and Solid Waste 3-97

4.0 ENVIRONMENTAL CONSEQUENCES 4-1
4.1 Impacts of Acquiring the Bridger Lands 4-2
4.2 Impacts of Acquiring the JO Ranch Lands 4-2
4.3 Impacts of Acquiring the Welch Lands 4-3
4.4 Impacts of Exchanging the Coal in the PSO Tract 4-5
4.4.1 Topography and Physiography 4-6
4.4.2 Geology and Minerals 4-7

4.4.3 Soils 4-9
4.4.4 Air Quality 4-10
4.4.5 Water Resources 4-24
4.4.5.1 Surface Water 4-24
4.4.5.2 Groundwater 4-25
4.4.6 Alluvial Valley Floors 4-32
4.4.7 Wetlands 4-32
4.4.8 Vegetation 4-33
4.4.9 Threatened, Endangered, Proposed, and Candidate Plant Species, BLM Sensitive Species, and State Species of Special Concern 4-35
4.4.10 Wildlife 4-35
4.4.11 Threatened, Endangered, Proposed, and Candidate Wildlife Species, BLM Sensitive Species, and State Species of Special Concern 4-39
4.4.12 Land Use and Recreation 4-39
4.4.13 Cultural Resources 4-40
4.4.14 Native American Concerns 4-41
4.4.15 Paleontological Resources 4-41
4.4.16 Visual Resources 4-41
4.4.17 Noise 4-42
4.4.18 Transportation Facilities 4-43
4.4.19 Socioeconomics 4-43
4.4.20 Hazardous and Solid Waste 4-47
4.5 No-Action Alternative 4-47
4.6 Regulatory Compliance, Mitigation, and Monitoring 4-48
4.7 Residual Impacts 4-54
4.7.1 Topography and Physiography 4-54
4.7.2 Geology and Minerals 4-54
4.7.3 Soils 4-54
4.7.4 Air Quality 4-54
4.7.5 Water Resources 4-54
4.7.6 Alluvial Valley Floors 4-55
4.7.7 Wetlands 4-55
4.7.8 Vegetation 4-55
4.7.9 Wildlife 4-55
4.7.10 Threatened, Endangered, Proposed, and Candidate Species 4-55
4.7.11 Land Use and Recreation 4-55
4.7.12 Cultural Resources 4-56
4.7.13 Native American Concerns 4-56
4.7.14 Paleontological Resources 4-56
4.7.15 Visual Resources 4-56
4.7.16 Noise 4-56
4.7.17 Transportation Facilities 4-56

4.7.18 Socioeconomics 4-56
4.7.19 Hazardous and Solid Wastes 4-56
4.8 Cumulative Impacts 4-56
4.8.1 Topography and Physiography 4-58
4.8.2 Geology and Mineral Resources 4-58
4.8.3 Soils 4-61
4.8.4 Air Quality 4-62
4.8.4.1 Emission Sources 4-64
4.8.4.2 Predicted Air Quality Impacts 4-65
4.8.4.3 Cumulative Impacts 4-68
4.8.5 Water Resources 4-77
4.8.5.1 Surface Water 4-77
4.8.5.2 Groundwater 4-78
4.8.6 Alluvial Valley Floors 4-84
4.8.7 Wetlands 4-84
4.8.8 Vegetation 4-85
4.8.9 Wildlife 4-86
4.8.10 Threatened, Endangered, Proposed, and Candidate Plant and Animal Species 4-90
4.8.11 Land Use and Recreation 4-90
4.8.12 Cultural Resources 4-91
4.8.13 Native American Concerns 4-92
4.8.14 Paleontological Resources 4-92
4.8.15 Visual Resources 4-92
4.8.16 Noise 4-92
4.8.17 Transportation Facilities 4-93
4.8.18 Socioeconomics 4-93
4.9 The Relationship Between Local Short-term Uses of Man*s Environment and the Maintenance and Enhancement of Long-term Productivity 4-95
4.10 Irreversible and Irretrievable Commitments of Resources . . . 4-97

5.0 CONSULTATION AND COORDINATION 5-1

6.0 REFERENCES CITED 6-1

7.0 GLOSSARY 7-1

8.0 INDEX 8-1

LIST OF FIGURES

Figure ES-1. General Location of Lands Being Offered for Exchange by P&M Coal and PSO Tract ES-2
Figure ES-2. Bridger Lands Location Map ES-3

Figure ES-3. JO Ranch Lands Location Map ES-4
Figure ES-4. Welch Lands Location Map ES-5
Figure ES-5. Location of P&M Surface Lands and PSO Tract ES-6
Figure ES-6. Schematic Mine Plan for the Ash Creek Mine ES-10
Figure ES-7. Life of Mine Drawdown Map, Resulting from Proposed Action ES-17
Figure 1-1. General Location of Lands Being Offered for Exchange by P&M and the PSO Tract 1-2
Figure 1-2. Bridger Lands Location Map 1-3
Figure 1-3. JO Ranch Lands Location Map 1-4
Figure 1-4. Welch Lands Location Map 1-5
Figure 1-5. Location of P&M Surface Lands and PSO Tract 1-6
Figure 2-1. PSO Tract Configuration as Proposed 2-5
Figure 2-2. Schematic Mine Plan for the Ash Creek Mine 2-7
Figure 3-1. General Analysis Area 3-8
Figure 3-2. Welch Lands and Extent of Thunder Child Range Fire 3-10
Figure 3-3. Extent of Underground Acme Mine and Coal Fire Areas on the Welch Lands and Vicinity 3-11
Figure 3-4. Geologic Cross Sections for the Ash Creek Mine 3-18
Figure 3-5. Stratigraphic Relationships and Hydrologic Characteristics of Upper Cretaceous, Lower Tertiary and Recent Geologic Units, Powder River Basin, Wyoming 3-19
Figure 3-6. Wind Roses and Meteorological Stations at the Decker Coal Mine and Sheridan Municipal Airport near the PSO Tract 3-30
Figure 3-7. Active PM10 Monitoring Stations in Northeastern Wyoming 3-36
Figure 3-8. Visibility in the Badlands and Bridger Wilderness Areas . . . 3-46
Figure 3-9. Monitoring Well Locations Within and Adjacent to the PSO Tract 3-47
Figure 3-10. General Geologic Map for the PSO Tract Area 3-52
Figure 3-11. Surface Water Features Within and Adjacent to the PSO Tract 3-55
Figure 3-12. Raptor Nest Sites, Sage Grouse Leks, and Prairie Dog Towns Within and Adjacent to the PSO Tract 3-64
Figure 3-13. Surface Ownership Within the Boundary of the PSO Tract . 3-68
Figure 3-14. Oil and Gas Ownership Within the Boundary of the PSO Tract 3-70
Figure 3-15. Transportation Facilities Within and Adjacent to the PSO Tract 3-89
Figure 3-16. Relationship Between A-Scale Decibel Readings and Sounds of Daily Life 3-90
Figure 4-1. Modeled Maximum PM_{10} Annual Average Concentrations ($\mu g/m^3$), Including Background of 15 $\mu g/m^3$, at the Proposed Ash Creek Mine 4-21

Figure 4-2. Modeled Maximum NO_x Annual Average Concentrations ($\mu g/m^3$), Including Background of 20 $\mu g/m^3$, at the Proposed Ash Creek Mine 4-22
Figure 4-3. Life of Mine Drawdown Map, Resulting from Proposed Action 4-28

LIST OF TABLES

Table ES-1 Summary Comparison of Lands and Minerals Offered for Exchange by P&M ES-9
Table ES-2 Summary Comparison of Coal Production, Surface Disturbance, and Revenues for the PSO Tract ES-11
Table 2-1. Production Schedule for the Proposed Ash Creek Mine 2-11
Table 2-2. Summary Comparison of Lands and Minerals Offered for Exchange by P&M 2-16
Table 2-3. Summary Comparison of Coal Production, Surface Disturbance and Revenues for the PSO Tract 2-16
Table 2-4. Summary Comparison of Magnitude and Duration of Direct and Indirect Impacts for the Proposed Action, and the No-Action Alternative for the P&M Land Exchange 2-17
Table 2-5. Summary Comparison of Magnitude and Duration of Cumulative Impacts 2-24
Table 3-1. Acres of Topsoil Available for Reclamation Within the Boundary of the Federal Coal Being Considered for Exchange Under the Proposed Action. 3-27
Table 3-2. Average Maximum, Minimum and Monthly Mean Temperatures for Sheridan, Wyoming 3-29
Table 3-3. Climatic Monthly Precipitation For Arvada 3 N Located in Sheridan County, Wyoming 3-29
Table 3-4. Assumed Background Air Pollutant Concentrations, Applicable Ambient Table Air Quality Standards, and PSD Increment Values (in $\mu g/m^3$) 3-32
Table 3-5. Approximate Distances and Directions from the General Analysis Area to PSD Class I and Class II Sensitive Receptor Areas 3-35
Table 3-6. Summary of WDEQ/AQD Reports on Air Quality Monitoring in Wyoming's PRB, 1980-2002. 3-40
Table 3-7. Annual Ambient NO_2 Concentration Data 3-43
Table 3-8. 2001 Annual Ambient NO_2 Concentration Data 3-43
Table 3-9. Existing Acid Neutralizing Capacity in Sensitive Lakes 3-48
Table 3-10. Vegetation Types Identified and Mapped Within the PSO Tract 3-61
Table 3-11. 40 Migratory Bird Species of Management Concern in Wyoming for Coal Mines: Their Regional Status, and Expected and Actual Occurrence on or Near the PSO Tract . 3-66

Table 3-12. Oil and Gas Ownership on the Federal Coal Lands Being Considered for Exchange 3-71
Table 3-13. Summary of Class III Cultural Resource Inventory of the PSO Tract Study Area 3-85
Table 4-1. Comparison of the Proposed Ash Creek Mine Disturbance and Mined Areas 4-6
Table 4-2. Federal and State Ambient Air Quality Standards for Criteria Pollutants 4-11
Table 4-3. Annual Emissions Summary for the Proposed Ash Creek Mine 4-16
Table 4-4. Life of Mine Operating Parameters for the Proposed Ash Creek Mine 4-17
Table 4-5. Point Source and Applicable Fugitive Emissions for PTE Determinations 4-18
Table 4-6. Comparisons of Maximum Predicted Annual Impacts to Applicable Standards 4-23
Table 4-7. Water Supply Wells Possibly Subject to Drawdown if the PSO Tract is Mined 4-31
Table 4-8. Regulatory Compliance, Mitigation and Monitoring Measures for Surface Coal Mining Operations Required by SMCRA and State Law (included in the Proposed Action) 4-49
Table 4-9. Production of PRB Coal Mines Located in the Sheridan Coal Field Near the Wyoming-Montana State Line 4-60
Table 4-10. Range of Predicted Maximum Potential Near-Field Impacts under Alternatives 1, 2A, and 2B of the Wyoming PRB Oil and Gas Project EIS (with Montana Alternative E) 4-67
Table 4-11. Predicted Maximum Potential Near-Field Impacts under Alternative 3 of the Wyoming PRB Oil and Gas Project EIS (with Montana Alternative E) 4-69
Table 4-12. Maximum Predicted PSD Class I Area Cumulative Far-Field Impacts (in $\mu g/m^3$) under Wyoming PRB Oil and Gas Project EIS Alternative 1 and all P&M Land Exchange EIS Alternatives 4-70
Table 4-13. Predicted Total Cumulative Change in Acid Neutralizing Capacity at Sensitive Area Lakes (percent change) 4-72
Table 4-14. Predicted Visibility Impacts in the Mandatory Federal PSD Class I Washakie Wilderness Area from Direct Wyoming PRB Oil and Gas Project EIS Alternative Sources - Daily FLAG Refined Method (Average Number of Days per Year Predicted to Equal or Exceed a 1.0 dv “Just Noticeable Change”). 4-74
Table 4-15. Predicted Visibility Impacts in Class I Areas - Daily FLAG Refined Method (Average Number of Days per Year Predicted to Equal or Exceed a 1.0 dv “Just Noticeable Change”). 4-75

Table 5-1. Other Federal, State, and Local Governmental Agencies Consulted in EIS Preparation. 5-2
Table 5-2. List of Contributors and Reviewers 5-4
Table 5-3. List of Preparers 5-5
Table 5-4. Distribution List - Final EIS 5-6

LIST OF APPENDICES

Appendix A. Processing Steps for Land Exchanges Involving Coal (43 CFR 2200)

Appendix B. Federal and State Agencies and Permitting Requirements

Appendix C. Unsuitability Criteria for the PSO Tract

Appendix D. Technical Report on the Welch Ranch Coal Fire

Appendix E. Biological Assessment; USFS Sensitive Species Evaluation; BLM Sensitive Species Evaluation; State Species of Special Concern

Appendix F. Specific Resource Information for Individual P&M Parcels within the Bridger-Teton National Forest

Appendix G. Non-Mine Groundwater and Surface Water Rights within the PSO Tract

Appendix H. Air Quality Impact Technical Support Document

Appendix I. Comment Letters on the Draft EIS and Responses

Abbreviations and Acronyms Used in this Report

AAQS	Ambient Air Quality Standards
ac-ft	acre-foot, acre-feet
ACEC	Area of Critical Environmental Concern
AML	Abandoned Mine Lands
AMLD	Abandoned Mine Lands Division
ANC	acid neutralizing capacity
ANFO	ammonium nitrate and fuel oil
APD	Application for Permit to Drill
APE	Area of Potential Effect
AQRV	Air Quality Related Values
AUM	Animal Unit Month
AVF	Alluvial Valley Floor
BACT	Best Available Control Technology
bcy	bank cubic yards
BLM	Bureau of Land Management
BNSF	Burlington Northern Santa Fe
BOGC	Board of Oil and Gas Conservation
BP	before present
BTNF	Bridger Teton National Forest
Btu/lb	British thermal units per pound
C	Celsius
ca	circa
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CBM	coal bed methane
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFR	Code of Federal Regulations
cfs	cubic foot per second
CO	carbon monoxide
COE	U.S. Army Corps of Engineers
dBA, dB(A)	A-weighted decibels
DEIS	Draft Environmental Impact Statement
DFC	Desired Future Condition
DM&E	Dakota, Minnesota & Eastern Railroad Corporation
DNRC	Department of Natural Resources and Conservation
DOI	Department of the Interior
dscf	dry standard cubic foot
dv	deciview, a measure of view impairment
EA	Environmental Assessment
EIA/DOE	Energy Information Administration/Department of Energy
EIS	Environmental Impact Statement
EPA	Environmental Protection Agency
EQC	Environmental Quality Council
ESA	Endangered Species Act
F	Fahrenheit
FDM	Fugitive Dust Model
FEIS	Final Environmental Impact Statement
FLAG	Federal Land Managers Air Quality Related Values Work Group
FLM	Federal Land Manager

Abbreviations and Acronyms Used in this Report

FLPMA	Federal Land Policy Management Act of 1976
ft	feet, foot
ft^3	cubic feet
ft/day	feet per day
g	gram
GLO	General Land Office
gpm	gallons per minute
HAP	hazardous air pollutant
hp	horsepower
hr	hour
ISC3	U.S. EPA's Industrial Source Complex
km	kilometers
LAC	limits of acceptable change (i.e., air quality)
LBA	Lease by Application
LNCM	Lands Necessary to Conduct Mining
LOM	Life of Mine
LOP	Life of Project
LPI	early part of the Late Prehistoric Period
LPII	latter part of the Late Prehistoric Period
LRMP	Land and Resource Management Plan
MBHFI	migratory birds of high federal interest
MBMG	Montana Bureau of Mines and Geology
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
mg/l	milligrams per liter
MLA	Mineral Leasing Act of 1920
MLE	most likely exposure
mm	millimeter
MM4	mesoscale model
mph	miles per hour
MSA	Metropolitan Statistical Area
MSHA	Mining Safety and Health Administration
MT	Montana
NAAQS	National Ambient Air Quality Standards
NADP	National Atmospheric Deposition Program
NAPG	North American Power Group
NCDC	National Climatic Data Center
NEPA	National Environmental Policy Act of 1969
NIOSH	National Institute of Occupational Safety and Health
NO_2	nitrogen dioxide
NO_x	nitrogen oxides
NPS	National Park Service
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NSPS	New Source Performance Standards
O_3	photochemical oxidants
OSHA	Occupational Safety and Health Administration

Abbreviations and Acronyms Used in this Report

OSM, OSMRE	Office of Surface Mining Reclamation & Enforcement
P&M	Pittsburg & Midway Coal Mining Company
Pb	lead
PECS	passive enclosure control systems
PILT	Payment in Lieu of Taxes
P.M.	Prime Meridian
$PM_{2.5}$	inhalable particulate matter finer than 2.5 microns in effective diameter
PM_{10}	inhalable particulate matter finer than 10 microns in effective diameter
ppbv	parts per billion by volume
ppm	parts per million
ppmv	parts per million by volume
PRB	Powder River Basin
PRRCT	Powder River Regional Coal Team
PSD	Prevention of Significant Deterioration
PSO	Public Services Company of Oklahoma
PTE	potential-to-emit
RH	relative humidity
ROD	Record of Decision
SAR	sodium adsorption ratio
SARA	Superfund Amendment & Reauthorization Act of 1986
SEO	State Engineer's Office
SHPO	State Historic Preservation Office
SMCRA	Surface Mining Control and Reclamation Act of 1977
SO	state office
SO_2	sulfur dioxide
T&E	Threatened and Endangered
TBCC	Thunder Basin Coal Company
TDS	total dissolved solids
tpd	tons per day
tpy	tons per year
TSP	total suspended particulates
U.S.	United States
USC	United States Code
USDA	U.S. Department of Agriculture
USDC	U.S. Department of Commerce
USDC, BC	U.S. Department of Commerce, Bureau of the Census
USDI	U.S. Department of the Interior
USFS	U.S. Forest Service
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UW	University of Wyoming
VOCs	volatile organic compounds
VRM	visual resource management
WAAQS	Wyoming Ambient Air Quality Standards
WAQSR	Wyoming Air Quality Standards and Regulations
WDEQ	Wyoming Department of Environmental Quality
WDEQ/AQD	Wyoming Department of Environmental Quality/Air Quality Division

Abbreviations and Acronyms Used in this Report

WDEQ/LQD	Wyoming Department of Environmental Quality/Land Quality Division
WGFD	Wyoming Game and Fish Department
WMA	Wyoming Mining Association
WOGCC	Wyoming Oil and Gas Conservation Commission
WRCC	Western Regional Climate Center
WSGS	Wyoming State Geological Survey
WY	Wyoming
µeq/L	microequivalents per liter
µg/m^3	micrograms per cubic meter
µmhos/cm	micromhos per centimeter