STATE OF MONTANA
Department of Environmental Quality
Helena, Montana 59620

AIR QUALITY OPERATING PERMIT OP2953-02

Issued to: **PPL Montana, LLC**
Corette Plant
301 Charlene Street
Billings, MT 59101

Final Date: **March 24, 2003**
Expiration Date: **December 13, 2003**

Effective Date: **March 24, 2003**
Date of Decision: **February 20, 2003**

Application Deemed Technically Complete: **February 14, 2003**
Application Deemed Administratively Complete: **February 14, 2003**
Administrative Amendment Application Received: **January 17, 2003**
AFS Number: **030-111-0015A**

Permit Issuance and Appeal Processes: In accordance with Sections 75-2-217 and 218, MCA, and Administrative Rules of Montana (ARM), ARM Title 17, Chapter 8, Subchapter 12, Operating Permit Program, this operating permit is hereby issued by the Department of Environmental Quality (Department) as effective and final on March 24, 2003. This cover sheet must be attached to the Date of Decision issued on February 20, 2003, and the permit must be kept on-site at the above named facility.

Issued by the Department of Environmental Quality

_____ ___/___/___
Signature Date

Terms not otherwise defined in this permit or in the Definitions and Abbreviations Appendix of this permit have the meaning assigned to them in the referenced regulations.

SECTION I. GENERAL INFORMATION

The following general information is provided pursuant to ARM 17.8.1210(1).

Company Name: PPL Montana, LLC (PPL Montana)

Mailing Address: P.O. Box 38

City: Colstrip State: MT Zip: 59323

Plant Location: Section 2, T1S, R26E, Yellowstone County, MT. 301 Charlene Street, Billings, MT.

Plant Mailing Address: P.O. Box 30495, Billings, MT 59107

Responsible Official: James M. Parker Phone: (406) 748-5026

Facility Contact Person: Stephen J. Christian Phone: (406) 748-5055

Primary SIC Code: 4911, Electric Services

Nature of Business: Coal-fired thermal power generation

Description of Process: A tangential coal fired boiler and associated equipment for generation of electricity.

SECTION II. SUMMARY OF EMISSION UNITS

The emission units regulated by this permit are the following [ARM 17.8.1211]:

Emissions Unit ID	Description	Pollution Control Device/Practice
EU1	Ash Handling System	Dust collection equipment: wetting at load-out chute; or contained railcars and trucks
EU2	Auxiliary Boiler	None
EU3	Coal Handling System	Water on Conveyor No. 3; covered conveyors, telescopic chute; or dust collectors
EU4	Coal Storage Piles	None
EU5	Gasoline Storage Tank	None
EU6	Internal Combustion Engines	None
EU7	J.E. Corette Boiler	Electrostatic precipitator
EU8	Plant Roads	Washed and cleaned
EU9	Process Ponds	Wet material
EU10	Diesel Tank	None

SECTION III. PERMIT CONDITIONS

The following requirements and conditions are applicable to the facility or to specific emission units located at the facility [ARM 17.8.1211,1212, and 1213]. Requirements for insignificant emission units are included, but nothing in this section imposes ARM Title 17, Chapter 8, Subchapter 12 requirements on insignificant emission units, other than the requirement to include applicable requirements for insignificant emissions units [ARM 17.8.1204].

A. Facility-Wide

Conditions	Pollutant/Parameter
FW-1	Opacity
FW-2	Opacity
FW-3	Reasonable Precautions/Opacity
FW-4	Reasonable Precaution
FW-5	Reasonable Precaution/Opacity
FW-6	Particulate Matter
FW-7	Particulate Matter
FW-8	Sulfur in Fuel
FW-9	Sulfur in Fuel
FW-10	Hydrocarbons
FW-11	Hydrocarbons

Conditions

FW-1. Pursuant to ARM 17.8.304(1), the permittee shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed on or before November 23, 1968, that exhibits an opacity of 40% or greater averaged over 6 consecutive minutes unless otherwise specified by rule or in this permit.

FW-2. Pursuant to ARM 17.8.304(2), the permittee shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed after November 23,1968, that exhibits an opacity of 20% or greater averaged over 6 consecutive minutes unless otherwise specified by rule or in this permit.

FW-3. Pursuant to ARM 17.8.308(1), the permittee shall not cause or authorize the production, handling, transportation, or storage of any material unless reasonable precautions to control emissions of particulate matter are taken. Such emissions of airborne particulate matter from any stationary source shall not exhibit an opacity of 20% or greater averaged over 6 consecutive minutes unless otherwise specified by rule or in this permit.

FW-4. Pursuant to ARM 17.8.308(2), the permittee shall not cause or authorize the use of any street, road or parking lot without taking reasonable precautions to control emissions of airborne particulate matter unless otherwise specified by rule or in this permit.

FW-5. Pursuant to ARM 17.8.308, the permittee shall not operate a construction site or demolition project unless reasonable precautions are taken to control emissions of airborne particulate matter. Such emissions of airborne particulate matter from any stationary source shall not exhibit an opacity of 20% or greater averaged over 6 consecutive minutes unless otherwise specified by rule or in this permit.

FW-6. Pursuant to ARM 17.8.309, unless otherwise specified by rule or in this permit, the permittee shall not cause or authorize particulate matter caused by the combustion of fuel to be discharged from any stack or chimney into the outdoor atmosphere in excess of the maximum allowable emissions of particulate matter for existing fuel burning equipment and new fuel burning equipment calculated using the following equations:

For existing fuel burning equipment (installed before November 23, 1968):
$E = 0.882 * H^{-0.1664}$

For new fuel burning equipment (installed on or after November 23, 1968):
$E = 1.026 * H^{-0.233}$

Where H is the heat input capacity in million BTU (MMBtu) per hour and E is the maximum allowable particulate emissions rate in pounds per MMBtu.

FW-7. Pursuant to ARM 17.8.310, unless otherwise specified by rule or in this permit, the permittee shall not cause or authorize particulate matter to be discharged from any operation, process, or activity into the outdoor atmosphere in excess of the maximum hourly allowable emissions of particulate matter calculated using the following equations:

For process weight rates up to 30 tons per hour: $E = 4.10 * P^{0.67}$
For process weight rates in excess of 30 tons per hour: $E = 55.0 * P^{0.11} - 40$

Where E = rate of emissions in pounds per hour and p = process weight rate in tons per hour.

FW-8. Pursuant to ARM 17.8.322(4), the permittee shall not burn liquid or solid fuels containing sulfur in excess of one (1) pound per million BTU fired, unless otherwise specified by rule or in this permit.

FW-9. Pursuant to ARM 17.8.322(5), the permittee shall not burn any gaseous fuel containing sulfur compounds in excess of 50 grains per 100 cubic feet of gaseous fuel, calculated as hydrogen sulfide at standard conditions, unless otherwise specified by rule or in this permit.

FW-10. Pursuant to ARM 17.8.324(3), the permittee shall not load or permit the loading of gasoline into any stationary tank with a capacity of 250 gallons or more from any tank truck or trailer, except through a permanent submerged fill pipe, unless such tank is equipped with a vapor loss control device or is a pressure tank as described in ARM 17.8.324(1), unless otherwise specified by rule or in this permit.

FW-11. Pursuant to ARM 17.8.324 unless otherwise specified by rule or in this permit, the permittee shall not place, store or hold in any stationary tank, reservoir or other container of more than 65,000 gallon capacity any crude oil, gasoline or petroleum distillate having a vapor pressure of 2.5 pounds per square inch absolute or greater under actual storage conditions, unless such tan, reservoir or other container is a pressure tank maintaining working pressure sufficient at all times to prevent hydrocarbon vapor or gas loss to the atmosphere, or is designed and equipped with a vapor loss control device, properly installed, in good working order and in operation.

FW-12. Pursuant to ARM 17.8.322, shall be interpreted to mean that no person shall burn solid, liquid, or gaseous fuels such that the aggregate sulfur content of all fuels burned within a plant during any day exceeds one pound of sulfur per million BTU fired. This rule shall be interpreted to allow for a daily deviation of 0.1 pound of sulfur per million BTU fired. The rule shall be interpreted to allow the blending of all fuels burned in a plant during a given time period in determining the aggregate sulfur content for purposes of the rule, and it shall not be construed to required blending or physical mixing of fuels at any given furnace or heater within the plant complex. (April, 1978 Billings/Laurel Plan that included the Board of Health and Environmental Sciences Order).

Condition(s)	Parameter	Value	Units	Method of Compliance	Frequency of Method	Recordkeeping Requirement	Reporting Frequency
RMP-1, MRP-1, RRP-1	Risk Management Plan (RMP)			Reporting	By June 21, 1999 or the date required by 40 CFR 68.150	N/A	After submission of the RMP
SIP-7	Sulfur Bearing Gases			None	None	None	None

Conditions

RMP-1. The permittee shall comply with the requirements for Accidental Release Prevention Provisions in 40 CFR Part 68.

SIP-7. The permittee shall utilize appropriate maintenance, repair, and operating practices to control emissions of sulfur bearing gases from minor sources such as ducts, stacks, valves, vents, vessels, and flanges that are not otherwise covered in the SO_2 SIP Appendix. This condition becomes effective March 4, 1998. (Board of Environmental Review Order signed August 19, 1996). This requirement is "state only" until approval of the SIP by the U.S. Environmental Protection Agency.

Compliance Demonstration

MRP-1. The permittee shall prepare and submit a risk management plan in accordance with 40 CFR Part 68 by the date identified in the above table.

Recordkeeping

None

Reporting

RRP-1. The permittee shall submit a certification statement to the Department that the permittee is in compliance with the requirements of 40 CFR Part 68, including submission and registration by the date identified in the above table, but no later than January 31, 2000.

B. EU1 – Ash Handling System

Condition(s)	Parameter	Value	Units	Method of Compliance	Frequency of Method	Recordkeeping Requirement	Reporting Frequency
OP-1, MO-3, RPE-1	Opacity	20	%	Visual Survey/ Method 9	Semi-monthly	RK-1	Semi-annually
OP-5, MRP-4, RPCE-1	Reasonable Precautions			Use of enclosed trucks or use of water and load-out chute skirt	When ash is being unloaded	RK-6	Semi-annually
OP-8, MRP-3, RPCE-1	Opacity	40	%	Operation of Bag Filters	When ash handling system is operating	RK-5	Semi-annually
PW-1, RP-1	PM			None	None	None	Annually

Conditions

OP-1. The fugitive emissions shall not equal or exceed the value stated in the above table pursuant to ARM 17.8.308.

OP-5. No person shall cause or authorize the production, handling, transportation, or storage of any material unless reasonable precautions to control emissions of airborne particulate matter are taken [ARM 17.8.308].

OP-8. The permittee shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any baghouse, bag filter, or bin vent associated with the ash handling system that exhibit opacity of the value state in the above table or of greater value pursuant to ARM 17.8.304.

PW-1. Pursuant to ARM 17.8.310, the emissions shall not exceed the value stated in the above table or calculated using E=55.0 * (0.11) – 40, where E = emissions in pounds per hour and P = process weight rate in tons per hour.

Compliance Demonstration

MO-3. At least semimonthly, the permittee shall visually inspect the Ash Handling System for fugitive emissions during daylight hours. For the purpose of this inspection, fugitive emissions are considered to be any visible emissions from the above identified activities. The person conducting the survey does not have to be a certified visual emissions evaluator. The individual must be familiar with the procedures of EPA Method 9 including, but not limited to, the proper location to observe visible emissions. If fugitive emissions are identified, the permittee shall log the observance of visible emissions and identify in the log any corrective action taken (e.g., contact specific personnel, use water or some chemical treatment to minimize the fugitive emissions). If a visual survey is not performed as required, the permittee shall conduct an EPA Method 9 for all points of emissions associated with this emission unit to monitor compliance with ARM 17.8.308 within 4 days of failing to perform the visual survey.

MRP-3. A fabric filter control shall be used to contain dust from the loading and unloading of each of the following tanks: 2,000-ton tank (Farr 10-Kay), 1,500-ton tank (Farr 10-Kay), and 300-ton tank (Sly).

MRP-4. When loading ash to an open truck or open railcar, the permittee shall apply water to the ash prior to load-out. A load-out chute with an intact skirt shall be used for loading all open railcars and open trucks.

When loading ash into an enclosed truck or enclosed railcar, the permittee shall use an appropriate method of conveying (e.g., pneumatic transfer, dustless slide, etc.) the ash to control fugitive dust.

Recordkeeping

RK-1. The permittee shall maintain a weekly log for recording the visual inspections has occurred. The log shall be maintained on site and make available for inspection. The log must include: date; time; observer; observation point; observation location; and whether visible emissions were observed. The log shall identify any corrective action that is taken.

RK-5. A log shall be kept including the date and time when the method of controlling emissions identified above was not operated while the emissions unit was operating. The log must include the reason the method of controlling was not operated.

RK-6. A log shall be kept including the date and time when the method of controlling emissions identified above was not operated while the emissions unit was operating. The log must include the reason the method of controlling was not operated and the type of truck or railcar loaded.

Reporting

RP-1. The report must include a statement of compliance based on the information available as to whether there were any observed, documented, or known instances of noncompliance.

RPCE-1. The reports must include the information contained in the log and shall be submitted in accordance with Section V. B. and D. of this permit.

RPE-1. The reports must include verification that the visual surveys were performed on a semimonthly basis and that a log of visual survey results was maintained. The report shall be submitted in accordance with Section V. B. and D. of this permit.

C. EU2 – Auxiliary Boiler

Condition	Parameter	Value	Units	Method of Compliance	Frequency of Method	Recordkeeping Requirement	Reporting Frequency
OP-2, MF-10, RPNG-1	Opacity	20	%	Combustion of Natural Gas	When boiler is operating	RK-4	Semi-annually
FB-4, MF-10, RPNG-1	PM	0.459	lb/mmBtu	Combustion of Natural Gas	When boiler is operating	RK-4	Semi-annually
SF-1, MF-10, RPNG-1	SOx	50	grains of sulfur/100 cubic feet of gaseous fuel	Combustion of Natural Gas	When boiler is operating	RK-4	Semi-annually

Conditions

FB-4. Pursuant to ARM 17.8.309, the emissions shall not exceed the value calculated using $E = 1.026 * H^{-0.233}$, where H is the heat input capacity in MMBtu per hour and E is the maximum allowable particulate emissions rate in lbs. per MMBtu.

OP-2. Pursuant to ARM 17.8.304, the emissions shall not equal or exceed the value stated in the above table.

SF-1. Pursuant to ARM 17.8.322, no gaseous fuels containing sulfur in excess of the value stated in the above table shall be fired.

Compliance Demonstration

MF-10. To monitor compliance with the emissions limit in the above table, the permittee shall burn pipeline quality natural gas.

Recordkeeping

RK-4. Records of the type of fuels used in the emissions unit shall be kept.

Reporting

RPNG-1. The permittee shall report the fuels used in the emissions unit.

D. EU3 – Coal Handling System

Condition	Parameter	Value	Units	Method of Compliance	Frequency of Method	Recordkeeping Requirement	Reporting Frequency
OP-1, MO-3, RPE-1	Opacity	20	%	Visual Survey/ Method 9	Semimonthly	RK-1	Semi-annually
OP-5, MRP-4, RPCE-1	Reasonable Precautions			Use of telescopic spout	When coal is unloaded	RK-5	Semi-annually
OP-8, MRP-3, RPCE-1	Opacity	40	%	Operation of bag filters	When coal is transferred to the silos	RK-5	Semi-annually
PW-1, RP-1	PM			None	None	None	Annually

Conditions

OP-1. The fugitive emissions shall not equal or exceed the value state in the above table pursuant to ARM 17.8.308.

OP-5. No person shall cause or authorize the production, handling, transportation, or storage of any material unless reasonable precautions to control emissions of airborne particulate matter are taken [ARM 17.8.308].

OP-8. The permittee shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any baghouse, bag filter, or bin vent associated with coal handling system that exhibit opacity of the value stated in the above table or of greater value pursuant to ARM 17.8.304.

OP-1. Pursuant to ARM 17.8.310, the emissions shall not exceed the value stated in the above table or calculated using $E = 55.0 * P^{0.11} - 40$, where E = emissions in pounds per hour and P = process weight rate in tons per hour.

Compliance Demonstration

MO-3. At least semimonthly, the permittee shall visually inspect the Coal Handling System for fugitive emissions during daylight hours. For the purpose of this inspection, fugitive emissions are considered to be any visible emissions from the above identified activities. The person conducting the survey does not have to be a certified visual emissions evaluator. The individual must be familiar with procedures of EPA Method 9 including, but not limited to, the proper location to observe visible emissions. If fugitive emissions are identified, the permittee shall log the observance of visible emissions and identify in the log any corrective action taken (e.g., contact specific personnel, use water or some chemical treatment to minimize the fugitive emissions). If a visual survey is not performed as required, the permittee shall conduct an EPA Method 9 for all points of emissions associated with this emissions unit to monitor compliance with ARM 17.8.308 within 4 days of failing to perform the visual survey.

MRP-3. A fabric filter control shall be used to contain dust from coal silos during loading and unloading.

MRP-4. The permittee shall use a load-out chute with telescopic spout for unloading coal.

Recordkeeping

RK-1. The permittee shall maintain a weekly log for recording the visual inspection has occurred. The log shall be maintained on site and made available for inspection. The log must include: date; time; observer; observation point; observation location; and whether visible emissions were observed. The log shall identify any corrective action that is taken.

RK-5. A log shall be kept including the date and time when the method of controlling emissions identified above was not operated while the emissions unit was operating. The log must include the reason the method of controlling was not operated.

Reporting

RP-1. The report must include a statement of compliance based on the information available as to whether there were any observed, documented, or known instances of noncompliance.

RPCE-1. The reports must include the information contained in the log and shall be submitted in accordance with Section V. B. and D. of this permit.

RPE-1. The reports must include verification that the visual surveys were performed on a semimonthly basis and that a log of visual survey results was maintained. The report shall be submitted in accordance with Section V. B. and D. of this permit.

E. EU4 – Coal Storage Piles – Active and Reserve (Wind Erosion)

Condition	Parameter	Value	Units	Method of Compliance	Frequency of Method	Recordkeeping Requirement	Reporting Frequency
OP-7, M0-11, RPE-1	Opacity	20	%	Visual Survey/ Method 9	Semi-monthly	RK-1	Semi-annually
OP-5, RP-1	Reasonable Precautions			None	None	None	Annually
PW-2, RP-1	PM			None	None	None	Annually

Conditions

OP-5. The permittee shall not cause or authorize the production, handling, transportation, or storage of any material unless reasonable precautions to control emissions of airborne particulate matter are taken [ARM 17.8.308].

OP-7. Pursuant to ARM 17.8.308, the emissions shall not equal or exceed the value stated in the above table unless otherwise specified in the permit.

OP-2. Pursuant to ARM 17.8.310, the emissions shall not exceed the value stated in the above table or calculated using $E = 55.0 * P^{0.11} - 40$, where E = emissions in pounds per hour and P = process weight rate in tons per hour.

Compliance Demonstration

MO-11. At least semimonthly, the permittee shall visually inspect the coal piles for fugitive emissions during daylight hours. For the purpose of this inspection, fugitive emissions are considered to be any visible emissions from the above identified activities. The person conducting the survey does not have to be a certified visual emissions evaluator. The individual must be familiar with procedures of EPA Method 9 including, but not limited to, the proper location to observe visible emissions. If fugitive emissions are identified, the permittee shall log the observance of visible emissions and identify in the log any corrective action taken (e.g., contact specific personnel, use water or some chemical treatment to minimize the fugitive emissions). If a visual survey is not performed as required, the permittee shall conduct an EPA Method 9 for all points of emissions associated with this emissions unit to monitor compliance with ARM 17.8.308 within 4 days of failing to perform the visual survey.

Recordkeeping

RK-1. The permittee shall maintain a weekly log for recording the visual inspection has occurred. The log shall be maintained on site and made available for inspection. The log must include: date; time; observer; observation point; observation location; and whether visible emissions were observed. The log shall identify any corrective action that is taken.

Reporting

RP-1. The report must include a statement of compliance based on the information available as to whether there were any observed, documented, or known instances of noncompliance.

RPE-1. The reports must include verification that the visual surveys were performed on a semimonthly basis and that a log of visual survey results was maintained. The report shall be submitted in accordance with Section V. B. and D. of this permit.

F. EU5 – Gasoline Storage Tank

Condition	Parameter	Value	Units	Method of Compliance	Frequency of Method	Recordkeeping Requirement	Reporting Frequency
OP-2, RP-1	Opacity	20	%	None	None	None	Annually
HC-1, RP-1				None	Continuously	None	Annually
None	Pollutants listed in Section 7412(b)			None	None	None	Annually

Conditions

OP-2. Pursuant to ARM 17.8.304, the emissions shall not equal or exceed the value stated in the above table.

HC-1. Pursuant to ARM 17.8.324(1), the permittee shall not load or permit the loading of gasoline into any stationary tank with a capacity of 250 gallons or more from any tank truck or trailer, except through a permanent submerged fill pipe, unless such tank is equipped with a vapor control device or is a pressure tank.

Reporting

RP-1. The report must include a statement of compliance based on the information available as to whether there were any observed, documented, or known instances of noncompliance.

G. EU6 – Internal Combustion Engines (Vehicles)

Condition	Parameter	Value	Units	Method of Compliance	Frequency of Method	Recordkeeping Requirement	Reporting Frequency
OP-7, RP-1	Opacity	20	%	None	None	None	Annually
FB-3, RP-1	PM			None	None	None	Annually
SF-1, RP-1	Sulfur in Fuel	1	lbs of sulfur/ mmBtu	None	None	None	Annually

Conditions

OP-7. Pursuant to ARM 17.8.308, the emissions shall not equal or exceed the value stated in the above table unless otherwise specified in the permit.

FB-3. Pursuant to ARM 17.8.309, the emissions shall not exceed the value calculated using the equation identified in the rule based on the date the engine was constructed or altered, where H is the heat input capacity in MMBtu per hour and E is the maximum allowable particulate emissions rate in lbs. per MMBtu.

SF-1. Pursuant to ARM 17.8.322, no liquid or solid fuels containing sulfur in excess of the value stated in the above table shall be fired.

Reporting

RP-1. The report must include a statement of compliance based on the information available as to whether there were any observed, documented, or known instances of noncompliance.

H. EU7 – J.E. Corette Boiler

Condition	Parameter	Value	Units	Method of Compliance	Frequency of Method	Recordkeeping Requirement	Reporting Frequency
OP-1, MCO-2, RPC-1	Opacity	40	%	CEMS	Continuously	RCOM-1	Quarterly
OP-1, MT-1, RPT-1	Opacity	40	%	Method 9	As needed	RT-3	Annually
OP-3, MCO-1, RPC-2	Opacity	23	%(1-hour average)	CEMS	Continuously	RCOM-2	Quarterly
OP-3, MCO-1, RPC-2	Opacity	17	%(24-hour average)	CEMS	Continuously	RCOM-2	Quarterly
FB-2, MT-2, RPT-1	PM	0.26	lb/mmBtu	Method 5 or 5B	Semiannually	RT-3	Semi-annually
SF-1, MCS-2, RPC-1	Sulfur in Fuel	1	lbs of sulfur/ mmBtu	CEMS	Continuously	RCEMS-1	Quarterly
SF-2, MF-10, RPNG-1	Sulfur in Fuel	50	grains of sulfur/100 cubic feet of gaseous fuel	Combustion of Natural Gas	Semiannually	RK-4	Semi-annually
SIP-1, MSIP-1, RPSI-1	SO_2	9,999,000	lb/calendar year	CEMS	Continuously	RSIP-1	Quarterly
SIP-2, MSIP-1, RPSI-1	SO_2	Calculated Limit	Three Hour Emission Limitation	CEMS	Continuously	RSIP-1	Quarterly
SIP-3, MSIP-2, RPSI-1	Buoyancy Flux	144.6 through 448.57	m^4/sec^2	CEMS (flow monitoring system)	Continuously	RSIP-1	Quarterly
SIP-4, MSIP-1, RPSI-1	SO_2	Calculated Limit	Daily Emissions	CEMS	Continuously	RSIP-1	Quarterly
SIP-5, MT-3, RPT-1	Testing	lb/hr	lb/hr	Method 6 or 6c	Annually	RT-3	Annually
SIP-6	Effective Dates				As Required		As Required
TIV-1							Quarterly
TIV-3							
TIV-7, MIV-1, RPIV-1	NOx	0.40	lb/mmBtu (average annual)	CEMS	Continuously	RIV-1	Quarterly
TIV-6	Submitting Information						As Required

Conditions

OP-1. The emissions shall not exhibit an opacity equal to or greater than the value stated in the above table [ARM 17.8.304].

FB-2. Pursuant to ARM 17.8.309, the emissions shall not exceed the value calculated using $E = 0.882 * H^{-0.1664}$, where H is the heat input capacity in MMBtu per hour and E is the maximum allowable particulate emissions rate in lbs. per MMBtu.

OP-3. The emissions shall not exhibit an opacity greater than the value stated in the above table for the averaging period identified in the above table. (Department Notice of Violation and Order to Take Corrective Action dated February 28, 1985 and ARM 17.8.309).

SF-1. Pursuant to ARM 17.8.322, no liquid or solid fuels containing sulfur in excess of the value stated in the above table shall be fired.

SF-2. Pursuant to ARM 17.8.322, no gaseous fuels containing sulfur in excess of the value stated in the above table shall be fired.

SIP-1. The permittee shall not emit SO_2 in excess of the value identified in the above table. This condition becomes effective March 4, 1998. (Board of Environmental Review Order signed August 19, 1996). This requirement is "state only" until approval of the SIP by the U.S. Environmental Protection Agency.

SIP-2. The permittee shall not emit SO_2 per three hours from the J. E. Corette boiler in excess of the three hour emission limitation as contained in the SO_2 SIP Appendix, Stipulation, Exhibit A, Section 3.(A)(1)(a). This condition becomes effective March 4, 1998. (Board of Environmental Review Order signed August 19, 1996) This requirement is "state only" until approval of the SIP by the U.S. Environmental Protection Agency.

SIP-3. The permittee shall not, except as provided in the SO_2 SIP Appendix, Stipulation, Exhibit A, Section 2(A)(7), have a Buoyancy Flux of less than 144.6 m^4/sec^3 or in excess of 448.57 m^4/sec^3 at any time. This condition becomes effective March 4, 1998. (Board of Environmental Review Order signed August 19, 1996, Stipulation, Section 3(A)(1)(a)) This requirement is "state only" until approval of the SIP by the U.S. Environmental Protection Agency.

SIP-4. The permittee shall not emit SO_2 from the J. E. Corette boiler in excess of the sum of all of the three hour emission limitations pursuant to the SO_2 SIP Appendix, Stipulation, Exhibit A, Section 3(A)(1)(a). This condition becomes effective March 4, 1998. (Board of Environmental Review Order signed August 19, 1996) This requirement is "state only" until approval of the SIP by the U. S. Environmental Protection Agency.

SIP-5. The permittee shall conduct annual emission testing to determine the sulfur dioxide emission rate in pounds per hour. (Board of Environmental Review Order Signed August 19, 1996) This requirement is "state only" until approval of the SIP by the U.S. Environmental Protection Agency.

SIP-6. The effective date for all requirements contained in the SO_2 SIP Appendix shall be the effective date for this permit unless otherwise specified in this permit or the SO_2 SIP Appendix.

TIV-1. The permittee shall comply with all requirements in the Acid Rain Appendix.

TIV-3. Emissions shall not be permitted in excess of any allowances that the permittee lawfully hods under Title IV of the FCAA or the regulations promulgated thereunder [ARM 17.8.110(3)(a)).

A permit revision is not required for increases in emissions authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement [ARM 17.8.1210(3)(b)].

The permittee may not use allowances as a defense to noncompliance with any other applicable requirement [ARM 17.8.1210(3)(c)].

Any allowances shall be accounted for according to the procedures established in regulations promulgated under Title IV of the FCAA [ARM 17.8.1210(3)(d)].

TIV-6. The permittee shall submit a complete permit application and compliance plan for NOx emissions covering the unit in Phase II not later than January 1, 1998, or as required by 40 CFR 76.9.

TIV-7. Pursuant to 40 CFR 76.7, the permittee shall comply with the emission limit contained in the above table beginning January 1, 2000.

Compliance Demonstration

MCO-1. The method identified in the above table must be maintained and operated in accordance with the Opacity CEMS Appendix and the Operation Modification Plan- Revision 4 Appendix.

As an addendum to the Operation Modification Plan - Revision 4 Appendix, the permittee shall be allowed 30 to 60 minutes to successfully reset an ESP trip. In the event that this procedure fails in the time allotted, then the appropriate corrective actions contained in the Operation Modification Plan – Revision 4 Appendix need to be initiated.

MCO-2. The method identified in the above table must be operated in accordance with the Opacity CEMS Appendix.

MSC-2. The method identified in the above table must be operated in accordance with the SO_2 CEMS Appendix.

MF-10. To monitor compliance with the emissions limit in the above table, the permittee shall burn pipeline quality natural gas.

MIV-1. The permittee shall monitor compliance with the emission limitation in the above table pursuant to the requirements of 40 CFR Part 75, 40 CFR Part 76, and in accordance with the NOx CEMS Appendix.

MSIP-1. The permittee shall monitor compliance with the limitation in the above table pursuant to the SO_2 SIP Appendix except that the references on page 56.9.3.12(41) to 40 CFR Part 60, Appendix A, Section 6.0 and 40 CFR 60, Appendix B, Section 2.3 shall be changed to 40 CFR Part 75, Appendix A Section 6.0 and 40 CFR Part 75, Appendix B, Section 2.3, respectively.

MSIP-2. The permittee shall monitor compliance with the limitation in the SO_2 SIP Appendix through use of the Flow Monitoring System required by 40 CFR Part 75 and the SO_2 SIP Appendix except that the references on page 56.9.3.12(41) to 40 CFR Part 60 Appendix A, Section 6.0 and 40 CFR Part 60, Appendix B, Section 2.3 shall be changed to 40 CFR Part 75, appendix A, Section 6.0 and 40 CFR Part 75, Appendix B, Section 2.3, respectively. This includes the use of the temperature probe to determine hourly average stack gas temperature and the annubar to determine hourly average stack gas exit velocity.

MT-1. The method identified in the above table, or another method approved by the Department, must be conducted at the frequency identified, during periods that the equipment is in operation.

MT-2. The method identified in the above table must be conducted at the frequency identified, during periods that the equipment is in operation. Heat input must be calculated in accordance with 40 CFR Part 75 Appendix F, Subsection 5. Procedures for Heat Input.

MT-3. The method identified in the above table, or another method approved by the Department, must be conducted at the frequency identified, during periods that the equipment is in operation. Pursuant to the SO_2 SIP Appendix, the annual or semiannual Relative Accuracy Test Audits (RATAs) may be substituted for the annual source tests provided that the flow rate RATA and the concentration RATA are performed simultaneously and additional calculations are made to determine and report the data in pounds per hour of sulfur dioxide.

Recordkeeping

RCEMS-1. Records shall be prepared and data kept in accordance with the SO_2 CEMS Appendix.

RCOM-1. Records shall be prepared and data kept in accordance with the Opacity CEMS Appendix.

RCOM-2. Records shall be prepared and data kept in accordance with the Opacity CEMS Appendix and the Operation Modification Plan-Revision 4 Appendix.

RIV-1. Records shall be prepared and data kept in accordance with 40 CFR Part 75 and the NOx CEMS Appendix.

RK-4. Records of the type of fuels used in the emissions unit shall be kept.

RSIP-1. Records shall be prepared and data kept in accordance with the SO_2 SIP Appendix.

RT-3. Records of all compliance test performed, including the information required in Section V of this permit, shall be submitted in accordance with ARM 17.8.106, Source Testing Protocol.

Reporting

RPC-1. Excess emission and monitoring systems performance reports shall be submitted in accordance with the CEMS Appendices.

RPC-2. Excess emissions and monitoring systems performance reports shall be submitted in accordance with the Opacity CEMS Appendix and the Operation Modification Plan-Revision 4 Appendix, except that reports shall only be required on a quarterly basis.

RPIV-1. Reports shall be submitted in accordance with 40 CFR Parts 72 through 78. The permittee shall also submit to the Department the information required in the NOx CEMS Appendix.

RPNG-1. The permittee shall report the fuels used in the emissions unit.

RPSI-1. Reports shall be submitted in accordance with the SO_2 SIP Appendix.

RPT-1. The testing results shall be submitted to the Department in accordance with ARM 17.8.106, Source Testing Protocol.

I. EU8 – Plant Roads

Condition	Parameter	Value	Units	Method of Compliance	Frequency of Method	Recordkeeping Requirement	Reporting Frequency
OP-5, RP-1	Reasonable Precautions			None	None	None	Annually
OP-7, RP-1	Opacity	20	%	None	None	None	Annually
PW-2, RP-1				None	None	None	Annually

Conditions

OP-5. The permittee shall not cause or authorize the production, handling, transportation, or storage of any material unless reasonable precautions to control emissions of airborne particulate matter are taken [ARM 17.8.308].

OP-7. Pursuant to ARM 17.8.308, the emissions shall not equal or exceed the value stated in the above table unless otherwise specified in this permit.

PW-2. Pursuant to ARM 17.8.310, the emissions shall not exceed the value calculated using $E = 55.0 * P^{0.11} - 40$, where E = emissions in pounds per hour and P = process weight rate in tons per hour.

Reporting

RP-1. The report must include a statement of compliance based on the information available as to whether there were any observed, documented, or known instances of noncompliance.

J. EU9 – Emergency Diesel Generators

Condition	Parameter	Value	Units	Method of Compliance	Frequency of Method	Recordkeeping Requirement	Reporting Frequency
OP-2, RP-1	Opacity	20	%	None	None	None	Annually
FB-3, RP-1	Particulate			None	None	None	Annually

Conditions

OP-2. Pursuant to ARM 17.8.304, the emissions shall not equal or exceed the value stated in the above table.

FB-3. Pursuant to ARM 17.8.309, the emissions shall not exceed the value calculated using $E = 1.026 * H^{-0.233}$, where J is the heat input capacity in MMBtu per hour and E is the maximum allowable particulate emissions rate in lbs. per MMBtu.

Reporting

RP-1. The report must include a statement of compliance based on the information available as to whether there were any observed, documented, or known instances of noncompliance.

K. EU10 – Diesel Tank

Condition	Parameter	Value	Units	Method of Compliance	Frequency of Method	Recordkeeping Requirement	Reporting Frequency
OP-2, RP-1	Opacity	20	%	None	None	None	Annually
None	Pollutants listed in Section 7412(b)			None	None	None	None

Conditions

OP-2. Pursuant to ARM 17.8.304, the emissions shall not equal or exceed the value stated in the above table.

Reporting

RP-1. The report must include a statement of compliance based on the information available as to whether there were any observed, documented, or known instances of noncompliance.

SECTION IV. NON-APPLICABLE REQUIREMENTS

The following requirements are not applicable to the facility or emission units as identified [ARM 17.8.1214].

A. Facility-Wide

Rule Citation	Reason
40 CFR 60, SUBPART A	X
40 CFR 60, SUBPART B	X
40 CFR 60, SUBPART C	X
40 CFR 60, SUBPART Ca	X
40 CFR 60, SUBPART Cb	X
40 CFR 60, SUBPART D	X
40 CFR 60, SUBPART Da	X
40 CFR 60, SUBPART Db	X
40 CFR 60, SUBPART Dc	X
40 CFR 60, SUBPART E	X
40 CFR 60, SUBPART Ea	X
40 CFR 60, SUBPART Eb	X
40 CFR 60, SUBPART F	X
40 CFR 60, SUBPART G	X
40 CFR 60, SUBPART H	X
40 CFR 60, SUBPART I	X
40 CFR 60, SUBPART J	X
40 CFR 60, SUBPART K	X
40 CFR 60, SUBPART L	X
40 CFR 60, SUBPART M	X
40 CFR 60, SUBPART N	X
40 CFR 60, SUBPART O	X
40 CFR 60, SUBPART P	X
40 CFR 60, SUBPART Q	X
40 CFR 60, SUBPART R	X
40 CFR 60, SUBPART S	X
40 CFR 60, SUBPART T	X
40 CFR 60, SUBPART U	X
40 CFR 60, SUBPART V	X
40 CFR 60, SUBPART W	X
40 CFR 60, SUBPART X	X
40 CFR 60, SUBPART Y	X
40 CFR 60, SUBPART Z	X
40 CFR 60, SUBPART AA	X
40 CFR 60, SUBPART Aaa	X
40 CFR 60, SUBPART BB	X
40 CFR 60, SUBPART CC	X
40 CFR 60, SUBPART DD	X
40 CFR 60, SUBPART EE	X
40 CFR 60, SUBPART GG	X
40 CFR 60, SUBPART HH	X
40 CFR 60, SUBPART KK	X
40 CFR 60, SUBPART LL	X
40 CFR 60, SUBPART MM	X
40 CFR 60, SUBPART NN	X
40 CFR 60, SUBPART PP	X
40 CFR 60, SUBPART QQ	X

Rule Citation	Reason
40 CFR 60, SUBPART RR	X
40 CFR 60, SUBPART SS	X
40 CFR 60, SUBPART TT	X
40 CFR 60, SUBPART UU	X
40 CFR 60, SUBPART VV	X
40 CFR 60, SUBPART WW	X
40 CFR 60, SUBPART XX	X
40 CFR 60, SUBPART AAA	X
40 CFR 60, SUBPART BBB	X
40 CFR 60, SUBPART DDD	X
40 CFR 60, SUBPART FFF	X
40 CFR 60, SUBPART GGG	X
40 CFR 60, SUBPART HHH	X
40 CFR 60, SUBPART III	X
40 CFR 60, SUBPART JJJ	X
40 CFR 60, SUBPART KKK	X
40 CFR 60, SUBPART LLL	X
40 CFR 60, SUBPART NNN	X
40 CFR 60, SUBPART OOO	X
40 CFR 60, SUBPART PPP	X
40 CFR 60, SUBPART QQQ	X
40 CFR 60, SUBPART SSS	X
40 CFR 60, SUBPART TTT	X
40 CFR 60, SUBPART UUU	X
40 CFR 60, SUBPART VVV	X
40 CFR 60, SUBPART RRR	X
40 CFR 61, SUBPART B	X
40 CFR 61, SUBPART C	X
40 CFR 61, SUBPART D	X
40 CFR 61, SUBPART E	X
40 CFR 61, SUBPART F	X
40 CFR 61, SUBPART H	X
40 CFR 61, SUBPART I	X
40 CFR 61, SUBPART J	X
40 CFR 61, SUBPART K	X
40 CFR 61, SUBPART L	X
40 CFR 61, SUBPART M	X
40 CFR 61, SUBPART N	X
40 CFR 61, SUBPART O	X
40 CFR 61, SUBPART P	X
40 CFR 61, SUBPART Q	X
40 CFR 61, SUBPART R	X
40 CFR 61, SUBPART T	X
40 CFR 61, SUBPART V	X
40 CFR 61, SUBPART W	X
40 CFR 61, SUBPART Y	X
40 CFR 61, SUBPART BB	X
40 CFR 61, SUBPART FF	X
40 CFR 63, SUBPART L	X
40 CFR 63, SUBPART F	X
40 CFR 63, SUBPART I	X
40 CFR 63, SUBPART H	X
40 CFR 63, SUBPART G	X
40 CFR 63, SUBPART M	X
40 CFR 63, SUBPART N	X

Rule Citation	Reason
40 CFR 63, SUBPART O	X
40 CFR 63, SUBPART Q	X
40 CFR 63, SUBPART R	X
40 CFR 63, SUBPART T	X
40 CFR 63, SUBPART W	X
40 CFR 63, SUBPART Z	X
40 CFR 63, SUBPART EE	X
40 CFR 82, SUBPART A	GG
40 CFR 82, SUBPART C	GG
40 CFR 82, SUBPART D	GG
40 CFR 82, SUBPART E	GG
40 CFR 82, SUBPART G	GG

B. Emission Units

EU1 – Ash Handling System

Rule Citation	Reason
ARM 17.8.309	OO
ARM 17.8.322	LL
ARM 17.8 Subchapter 7	QQ
40 CFR 82 SUBPART B	NN
40 CFR 82 SUBPART F	NN
40 CFR 72	MM
40 CFR 73	MM
40 CFR 75	MM
40 CFR 76	MM
40 CFR 77	MM
40 CFR 78	MM

EU2 – Auxiliary Boiler

Rule Citation	Reason
ARM 17.8.310	E
ARM 17.8 Subchapter 7	QQ
40 CFR 82,SUBPART B	NN
40 CFR 82,SUBPART F	NN
40 CFR 72	MM
40 CFR 73	MM
40 CFR 75	MM
40 CFR 76	MM
40 CFR 77	MM
40 CFR 78	MM

EU3 – Coal Handling System

Rule Citation	Reason
ARM 17.8.309	OO
ARM 17.8.322	LL
ARM 17.8, Subchapter 7	QQ
40 CFR 82, SUBPART B	NN
40 CFR 82, SUBPART F	NN
40 CFR 72	MM
40 CFR 73	MM
40 CFR 75	MM
40 CFR 76	MM
40 CFR 77	MM
40 CFR 78	MM

EU4 – Coal Storage Piles

Rule Citation	Reason
ARM 17.8.309	OO
ARM 17.8.322	LL
ARM 17.8, Subchapter 7	QQ
40 CFR 82, SUBPART B	NN
40 CFR 82, SUBPART F	NN
40 CFR 72	MM
40 CFR 73	MM
40 CFR 75	MM
40 CFR 76	MM
40 CFR 77	MM
40 CFR 78	MM

EU5 – Gasoline Storage Tank

None requested.

EU6 – Internal Combustion Engines (Vehicles)

Rule Citation	Reason
ARM 17.8.308	A
ARM 17.8.310	E
ARM 17.8, Subchapter 7	QQ
40 CFR 82, SUBPART B	NN
40 CFR 72	MM
40 CFR 73	MM
40 CFR 75	MM
40 CFR 76	MM
40 CFR 77	MM
40 CFR 78	MM

EU7 – J. E. Corette Boiler

Rule Citation	Reason
ARM 17.8.310	E
ARM 17.8, Subchapter 7	QQ
40 CFR 82, SUBPART B	NN
40 CFR 82, SUBPART F	NN
40 CFR 73, SUBPART G	GG

EU8 – Plant Roads

Rule Citation	Reason
ARM 17.8.304	PP
ARM 17.8.309	OO
ARM 17.8.322	LL
ARM 17.8, Subchapter 7	QQ
40 CFR 82, SUBPART B	NN
40 CFR 82, SUBPART F	NN
40 CFR 72	MM
40 CFR 73	MM
40 CFR 75	MM
40 CFR 76	MM
40 CFR 77	MM
40 CFR 78	MM

EU9 – Emergency Diesel Generators

Rule Citation	Reason
ARM 17.8.310	E
ARM 17.8, Subchapter 7	QQ
40 CFR 82, SUBPART B	NN
40 CFR 82, SUBPART F	NN
40 CFR 72	MM
40 CFR 73	MM
40 CFR 75	MM
40 CFR 76	MM
40 CFR 77	MM
40 CFR 78	MM

C. Reason Codes for Non-applicability

Code	Reason
A	This rule is not applicable because this facility or emissions unit does not emit fugitive particulate matter.
B	This rule is not applicable to particulate matter emitted from those new stationary sources listed in ARM 17.8.340 for which a particulate standard has been promulgated.
E	This rule is not applicable to particulate matter emitted from fuel burning equipment.
P	This rule is not applicable because the facility does not include the equipment or process addressed in the rule.
X	This is not an affected facility under this rule.
GG	This rule is not applicable because the facility does not conduct the activities addressed by this rule.
LL	This rule is not applicable because the pollutant regulated by this rule is not emitted from this emissions unit.
MM	These regulations are not applicable because the emissions unit is not an affected facility under the acid rain.
NN	This rule is not applicable because the activities identified are not conducted as part of this emissions unit.
OO	This rule is not applicable because this emissions unit is not fuel burning equipment.
PP	This emissions unit is regulated by ARM 17.8.308
QQ	No preconstruction permit required to date for the emissions unit. Future changes may trigger applicability of the requirement.

SECTION V. GENERAL PERMIT CONDITIONS

A. COMPLIANCE REQUIREMENTS

ARM 17.8, Subchapter 12, Operating Permit Program, §1210 (2)(a)-(c) & (e), §1206(6)(c)&(b)

1. The permittee must comply with all conditions of the permit. Any noncompliance with the terms or conditions of the permit constitutes a violation of the Montana Clean Air Act, and may result in enforcement action, permit modification, revocation and reissuance, or termination, or denial of a permit renewal application under ARM Title 17, Chapter 8, Subchapter 12.

2. The filing of a request by the permittee for a permit modification, revocation, and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

3. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. If appropriate, this factor may be considered as a mitigating factor in assessing a penalty for noncompliance with the applicable requirement if the source demonstrates both that the health, safety, or environmental impacts of halting or reducing operations would be more serious than the impacts of continuing operations, and that such health, safety, or environmental impacts were unforeseeable and could not have otherwise been avoided.

4. The permittee shall furnish to the Department, within a reasonable time set by the Department (not to be less than 15 days), any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of those records that are required to be kept pursuant to the terms of the permit. This subsection does not impair or otherwise limit the right of the permittee to assert the confidentiality of the information requested by the Department, as provided in 75-2-05, MCA.

5. Any schedule of compliance for applicable requirements with which the source is not in compliance at the time of permit issuance shall be supplemental to, and shall not sanction noncompliance with the applicable requirements on which it is based.

6. For applicable requirements that will become effective during the permit term, the source shall meet such requirements on a timely basis unless a more detailed plan or schedule is required by the applicable requirement or the Department.

B. CERTIFICATION REQUIREMENTS

ARM 17.8 Subchapter 12 Operating Permit Program §1207 and §1213(7)(a)&(c)-(d)

1. Any application form, report, or compliance certification submitted pursuant to ARM Title 17, Chapter 8, Subchapter 12 shall contain certification by a responsible official of truth, accuracy, and completeness. This certification and any other certification required under ARM Title 17, Chapter 8, Subchapter 12 shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

2. Compliance certifications shall be submitted by January 31 of each year, or more frequently if otherwise specified in an applicable requirement or elsewhere in the permit. Each certification must include the required information for the previous calendar year (i.e., January 1 – December 31).

3. Compliance certifications shall include the following:

   a. The identification of each term or condition of the permit that is the basis of the certification;

   b. The identification of the methods(s) or means used by the owner or operator for determining the status of compliance with each term or condition during the certification period, and whether such methods or other means provide continuous or intermittent data, as well as the additional information required by ARM 17.8.1213(7)(c)(ii);

   c. The status of compliance with the terms and conditions of the permit for the period covered by the certification, based on the method or means designated in ARM 17.8.1213(7)(c)(ii), as well as the additional information required by ARM 17.8.1213(7)(c)(iii); and

   d. Such other facts as the Department may require to determine the compliance status of the source.

4. All compliance certifications must be submitted to the Environmental Protection Agency, as well as to the Department, at the addresses listed in the Notification Addresses Appendix of this permit.

C. PERMIT SHIELD

ARM 17.8 Subchapter 12 Operating Permit Program §1214(1)-(4)

1. The applicable requirements and non-federally enforceable requirements are included and specifically identified in this permit and the permit includes a concise summary of the requirements not applicable to the source. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements and any non-federally enforceable requirements as of the date of permit issuance.

2. The permit shield described in 1 above shall remain in effect during the appeal of any permit action (renewal, revision, reopening, revocation or reissuance) to the Board of Environmental Review (Board) until such time as the board renders its final decision.

3. Nothing in this permit alters or affects the following:

   a. The provisions of sec. 7603 of the FCAA, including the authority of the administrator under the section;

   b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;

   c. The applicable requirements of the acid rain program, consistent with Section 7651g(a) of the FCAA;

   d. The ability of the administrator to obtain information from a source pursuant to Section 7414 of the FCAA;

   e. The ability of the Department to obtain information from a source pursuant to the Montana Clean Air Act, Title 75, Chapter 2, MCA;

   f. The emergency powers of the Department under the Montana Clean Air Act, Title 75, Chapter 2 MCA;

g. The ability of the Department to establish or revise requirements for the use of Reasonably Available Control Technology (RACT) as defined in ARM Title 17, Chapter 8. However, if the inclusion of a RACT into the permit pursuant to ARM Title 17, Chapter 8, Subchapter 12 is appealed to the board, the permit shield as it applies to the source's existing permit shall remain in effect until such time as the board has rendered its final decision.

4. Nothing in this permit alters or affects the ability of the Department to take enforcement action for a violation demonstrated pursuant to ARM 17.8.106, Source Testing Protocol.

5. Pursuant to ARM 17.8.132, for the purpose of submitting a compliance certification, nothing in these rules shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether a source would have been in compliance. However, when compliance or noncompliance is demonstrated by a test or procedure provided by permit or other applicable requirements, the source shall then be presumed to be in compliance or noncompliance unless that presumption is overcome by other relevant credible evidence.

6. The permit shield will not extend to minor permit modifications or changes not requiring a permit revision (see sections I & J).

7. The permit shield will extend to significant permit modifications and transfer or assignment of ownership (see sections K & N).

D. MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

ARM 17.8, Subchapter 12, Operating Permit Program, §1212(2) &(3)

1. Unless otherwise provided in this permit, the permittee shall maintain compliance monitoring records that include the following information:

   a. The date, place as defined in the permit, and time of sampling or measurements;

   b. The date(s) analyses were performed;

   c. The company or entity that performed the analyses;

   d. The analytical techniques or methods used;

   e. The results of such analysis; and

   f. The operating conditions at the time of sampling or measurement.

2. The permittee shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, report, and application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. All monitoring data, support information, and required reports and summaries may be maintained in a computerized form at the plant site if the information is made available to the Department personnel upon request, which may be for either hard copies or computerized format. Strip-charts must be retained in their original form at the plant site and shall be made available to Department personnel upon request.

3. The permittee shall submit to the Department, at the addresses listed in the Notification Addresses Appendix of this permit, reports of any required monitoring by January 31 and July 31 of each year, or more frequently if otherwise specified in an applicable requirement or elsewhere in the permit. The monitoring report submitted, on January 31 of each year, must include the

required monitoring information for the period of July 1 through December 31 of the previous year. The monitoring report submitted, on July 31 of each year, must include the required monitoring information for the period of January 1 through June 30 of the current year. All instances of deviations from the permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official consistent with ARM 17.8.1207.

E. PROMPT DEVIATION REPORTING

ARM 17.8, Subchapter 12, Operating Permit Program, §1212(3)(c)

The permittee shall promptly report deviations from permit requirements, including those attributable to upset conditions as defined in the permit, the probable cause of such deviations, and any corrective actions or preventive measures taken. To be considered prompt, deviations shall be reported as part of the routine reporting requirements under ARM 17.8.1212(3)(b), and if applicable, in accordance with the malfunction reporting requirements under ARM 17.8.110, unless otherwise specified in an applicable requirement.

F. EMERGENCY PROVISIONS

ARM 17.8, Subchapter 12, Operating Permit Program, §1201(13) and §1214(5), (6)&(8)

1. An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under this permit due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of reasonable preventative maintenance, careless or improper operation, or operator error.

2. An emergency constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the permittee demonstrates through properly signed, contemporaneous operating logs, or other relevant evidence that:

   a. An emergency occurred and that the permittee can identify that cause(s) of the emergency;

   b. The permitted facility was at the time being properly operated;

   c. During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

   d. The permittee submitted notice of the emergency to the Department within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice fulfills the requirements of ARM 17.8.1212(3)(c). This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

3. These emergency provisions are in addition to any emergency, malfunction or upset provision contained in any applicable requirement.

G. INSPECTION AND ENTRY

ARM 17.8, Subchapter 12, Operating Permit Program, §1213(3)&(4)

1. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department, the administrator or an authorized representative (including an authorized contractor acting as a representative of the Department or the administrator) to perform the following:

a. Enter the premises where a source required to obtain a permit is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

c. Inspect at reasonable times any facilities, emission unit, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and

d. As authorized by the Montana Clean Air Act and rules promulgated thereunder, sample or monitor at reasonable times any substances or parameters at any location for the purpose of assuring compliance with permit or applicable requirements.

2. The permittee shall inform the inspector of all applicable workplace safety rules or requirements at the time of the inspection. This section shall not limit in any manner the Department's statutory right of entry and inspection as provided for in 75-2-403, MCA.

H. FEE PAYMENT

ARM 17.8, Subchapter 12, Operating Permit Program, §1210(2)(f), ARM 17.8, Subchapter 5, Air Quality Permit Application, Operation and Open Burning Fees §505(3)-(5) (STATE ONLY)

1. The permittee must pay application and operating fees, pursuant to ARM Title 17, Chapter 8, Subchapter 5.

2. Annually, the Department shall provide the permittee with written notice of the amount of the fee and the basis for the fee assessment. The air quality operation fee is due 30 days after receipt of the notice, unless the fee assessment is appealed pursuant to ARM 17.8.511. If any portion of the fee is not appealed, that portion of the fee that is not appealed is due 30 days after receipt of the notice. Any remaining fee, which may be due after completion of an appeal, is due immediately upon issuance of the board's decision or upon completion of any judicial review of the board's decision.

3. If the permittee fails to pay the required fee (or any required portion of an appealed fee) within 90 days after the due date of the fee, the Department may impose additional assessment of 15% of the fee (or any required portion of an appealed fee) or $100, whichever is greater, plus interest on the fee (or any required portion of an appealed fee) computed at the interest rate established under 15-31-510(3), MCA.

I. MINOR PERMIT MODIFICATIONS

ARM 17.8, Subchapter 12, Operating Permit Program, §1226(3)&(11)

1. An application for a minor permit modification need only address in detail those portions of the permit application that require revision, updating, supplementation, or deletion, and may reference any required information that has been previously submitted.

2. The permit shield under ARM 17.8.1214 will not extend to any minor modifications processed pursuant to ARM 17.8.1226.

J. CHANGES NOT REQUIRING PERMIT REVISION

ARM 17.8, Subchapter 12, Operating Permit Program, §1224(1)-(3), (5)&(6)

1. The permittee is authorized to make changes within the facility as described below, providing the following conditions are met:

a. The proposed changes do not require the permittee to obtain an air quality preconstruction permit under ARM Title 17, Chapter 8, Subchapter 7;

b. The proposed changes are not modifications under Title I of the FCAA, or as defined in ARM Title 17, Chapter 8, Subchapters 8, 9 or 10;

c. The emissions resulting from the proposed changes do not exceed the emissions allowable under the permit, whether expressed as a rate of emissions, or in total emissions;

d. The proposed changes do not alter permit terms that are necessary to enforce applicable emission limitations on emissions units covered by the permit; and

e. The facility provides the administrator and the Department with written notification at least 7 days prior to making the proposed changes.

2. The permittee and the Department shall attach each notice provided pursuant to 1.e, above, to their respective copies of this permit.

3. Pursuant to the conditions above, the permittee is authorized to make sec. 502(b)(10) changes, as defined in ARM Title 17, Chapter 8, Subchapter 12, without a permit revision. For each such change, the written notification required under 1.e above, shall include a description of the change within the source, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

4. The permittee may make a change not specifically addressed or prohibited by the permit terms and conditions without requiring a permit revision, provided that the following conditions are met:

a. Each propose change does not weaken the enforceability of any existing permit conditions;

b. The Department has not objected to such change;

c. Each proposed change meets all applicable requirements and does not violate any existing permit term or condition; and

d. The permittee provides contemporaneous written notice to the Department and the administrator of each change that is above the level for insignificant emission units as defined in ARM 17.8.1201(22) and 17.8.1206(3), and the written notice describes each such change, including the date of the change, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change.

5. The permit shield authorized by ARM 17.8.1214 shall not apply to changes made pursuant to ARM 17.8.1224(3) and ARM 17.8.1224(5), but is applicable to terms and conditions that allow for increases and decreases in emissions pursuant to ARM 17.8.1224(4).

K. SIGNIFICANT PERMIT MODIFICATIONS

ARM 17.8, Subchapter 12, Operating Permit Program, §1227(1), (3)&(4)

1. The modification procedures set forth in 2 below, must be used for any application requesting a significant modification of this permit. Significant modifications include the following:

a. Any permit modification that does not qualify as either a minor modification or as an administrative permit amendment;

b. Every significant change in existing permit monitoring terms or conditions;

c. Every relaxation of permit reporting or recordkeeping terms or conditions which limit the Department's ability to determine compliance with any applicable rule, consistent with the requirements of the rule; or

d. Any other change determined by the Department to be significant.

2. Significant modifications shall meet all requirements of ARM Title 17, Chapter 8, including those for applications, public participation, and review by affected states and the administrator, as they apply to permit issuance and renewal, except that an application for a significant modification permit need only address in detail those portions of the permit application that require revision, updating, supplementation, or deletion.

3. The permit shield provided for in ARM 17.8.1214 shall extend to significant modifications.

L. REOPENING FOR CAUSE

ARM 17.8, Subchapter 12, Operating Permit Program, §1228(1)&(2)

1. This permit may be reopened and revised under the following circumstances:

a. Additional applicable requirements under the FCAA become applicable to the facility when the permit has a remaining term of three or more years. Reopening and revision of the permit shall be completed not later than 18 months after promulgation of the applicable requirement. No reopening is required under ARM 17.8.1228(1)(a) if the effective date of the applicable requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to ARM 17.8.1220(12) or 17.8.1221(2).

b. Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

c. The Department or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emission standards or other terms or conditions of the permit.

d. The administrator or the Department determines that the permit must be revised or revoked and reissued to assure compliance with the applicable requirements.

M. PERMIT EXPIRATION AND RENEWAL

ARM 17.8., Subchapter 12, Operating Permit Program, §1210(2)(g), §1220(11)&(12), §1205(2)(d)

1. This permit is issued for a fixed term of five years.

2. Renewal of this permit is subject to the same procedural requirements that apply to permit issuance, including those for applications, content, public participation, and affected state and administrator review.

3. Expiration of this permit terminates the permittee's right to operate unless a timely and administratively complete permit renewal application has been submitted consistent with ARM 17.8.1221 and 17.8.1205(2)(d). If a timely and administratively complete application has been submitted all terms and conditions of the permit, including the application shield, remain in effect after the permit expires until the permit renewal has been issued or denied.

4. For renewal, the permittee shall submit a complete air quality operating permit application to the Department not later than six months prior to the expiration of this permit, unless otherwise specified. If necessary to ensure that the terms of the existing permit will not lapse before renewal, the Department may specify in writing to the permittee a longer time period for submission of the renewal application. Such written notification must be provided at least one year before the renewal application due date established in the existing permit.

N. SEVERABILITY CLAUSE
ARM 17.8, Subchapter 12, Operating Permit Program, §1210(i)&(l)

1. The administrative permit amendment involves a change in ownership or operational control, the applicant must include in its request to the Department a written agreement containing a specific date for the transfer of permit responsibility, coverage, and liability between the current and new permittee.

2. If any provision of a permit is found to be invalid, all valid parts that are severable from the invalid part remain in effect. If a provision of a permit is invalid in 1 or more of its applications, the provision remains in effect in all valid applications that are severable from the invalid applications.

O. TRANSFER OR ASSIGNMENT OF OWNERSHIP
ARM 17.8, Subchapter 12, Operating Permit Program, §1225(2)&(4)

1. If an administrative permit amendment involves a change in ownership or operational control, the applicant must include in its request to the Department a written agreement containing a specific date for the transfer of permit responsibility, coverage, and liability between the current and new permittee.

2. The permit shield provided for in ARM 17.8.1214 shall extend to administrative permit amendments.

P. EMISSIONS TRADING, MARKETABLE PERMITS, ECONOMIC INCENTIVES
ARM 17.8, Subchapter 12, Operating Permit Program, §1226(2)

Not withstanding ARM 17.8.1226(1) and (7), minor air quality operating permit modification procedures may be used for permit modifications involving the use of economic incentives, marketable permits, emissions trading, and other similar approaches, to the extent that such minor permit modification procedures are explicitly provided for in the Montana state implementation plan or in applicable requirements promulgated by the administrator.

Q. NO PROPERTY RIGHTS CONVEYED
ARM 17.8, Subchapter 12, Operating Permit Program, §1210(2)(d)

This permit does not convey any property rights of any sort, or any exclusive privilege.

R. TESTING REQUIREMENTS
ARM 17.8, Subchapter 1, General Provisions, §105

The permittee shall comply with ARM 17.8.105

S. SOURCE TESTING PROTOCOL
ARM 17.8, Subchapter 1, General Provisions, §106

The permittee shall comply with ARM 17.8.106

T. MALFUNCTIONS
ARM 17.8, Subchapter 1, General Provisions §110

The permittee shall comply with ARM 17.8.110

U. CIRCUMVENTION
ARM 17.8, Subchapter 1, General Provisions §111

The permittee shall comply with ARM 17.8.111

V. MOTOR VEHICLES
ARM 17.8, Subchapter 3, Emission Standards, §325

The permittee shall comply with ARM 17.8.325

W. ANNUAL EMISSIONS INVENTORY
ARM 17.8, Subchapter 5, Air Quality Permit Application, Operation and Open Burning Fees, §505 (STATE ONLY)

The permittee shall supply the Department with annual production and other information for all emission units necessary to calculate actual or estimated actual amount of air pollutants emitted during each calendar year. Information shall be gathered on a calendar-year basis and submitted to the Department by the date required in the emission inventory request, unless otherwise specified in this permit. Information shall be in the units required by the Department.

X. OPEN BURNING
ARM 17.8, Subchapter 6, Open Burning, §604, 605 and 606

The permittee shall comply with ARM 17.8.604, 605, and 606.

Y. PRECONSTRUCTION PERMITS
ARM 17.8, Subchapter 7, Permit, Construction and Operation of Air Contaminant Sources, §17.8.705, 708, and 733 (ARM 17.8 705(1)(r), 708, and 733(1)(b) are STATE ENFORCEABLE ONLY until approved by EPA as part of SIP)

1. Except as specified, no person shall construct, install, alter, or use any air contaminant source or stack associated with any source without first obtaining a permit from the Department or board. A permit is not required for those sources or stacks as specified by ARM 17.8.705 (1)(a) - (p).

2. The permittee shall comply with ARM 17.8.705, 706, 708, and 733.

3. ARM 17.8.705(1)(r)(i) specifies de minimis changes as construction or changed conditions of operation at a facility holding an air quality preconstruction permit issued under Chapter 8 that does not increase the facility's potential to emit by more than 15 tons per year of any pollutant except:

   a. Any construction or changed condition that would violate any condition in the facility's existing air quality preconstruction permit or any applicable rule contained in Chapter 8 is prohibited, except as provided in ARM 17.8.705(2);

   b. Any construction or changed conditions of operation that would qualify as a major modification under subchapters 8, 9, or 10 of Chapter 8;

c. Any construction or changed condition of operation that would affect the plume rise or dispersion characteristic of emissions that would cause or contribute to a violation of an ambient air quality standard or ambient air increment as defined in ARM 17.8.804;

d. Any construction or improvement project with a potential to emit more than 15 tons per year may not be artificially split into smaller projects to avoid air quality preconstruction permitting; and

e. Emission reductions obtained through offsetting within a facility are not included when determining the potential emission increase from construction or changed conditions of operation, unless such reductions are made federally enforceable.

4. Any facility making a de minimis change pursuant to ARM 17.8.705(1)(r) shall notify the Department if the change would include a change in control equipment, stack height, stack diameter, stack flow, stack gas temperature, source location, or fuel specifications, or would result in an increase in source capacity above its permitted operation or the addition of a new emissions unit. The notice must be submitted to the Department in writing 10 days prior to start up or use of the proposed de minimis change, or as soon as reasonably practicable in the event of an unanticipated circumstance causing the de minimis change, and must include the information requested in ARM 17.8.705(1)(r)(iv) (STATE ENFORCEABLE ONLY until approved by EPA as part of the SIP).

Z. NATIONAL EMISSION STANDARD FOR ASBESTOS
40 CFR Part 61, Subpart M

The permittee shall not conduct any asbestos abatement activities except in accordance with 40 CFR Part 61, Subpart M (National Emission Standard for Hazardous Air Pollutants for Asbestos).

AA. ASBESTOS
ARM 17.74, Subchapter 3, General Provisions, and Subchapter 4, Fees

The permittee shall comply with ARM 17.74.301, *et seq.* and ARM 17.74.401, *et seq.* (STATE ONLY)

BB. STRATOSPHERIC OZONE PROTECTION – SERVICING OF MOTOR VEHICLE AIR CONDITIONERS
40 CFR Part 82, Subpart B

If the permittee performs a service on motor vehicles and this service involves ozone-depleting substance/refrigerant in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B.

CC. STRATOSPHERIC OZONE PROTECTION – RECYCLING AND EMISSIONS REDUCTIONS
40 CFR Part 82, Subpart F

The permittee shall comply with the standards for recycling and emissions reduction in 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B.

1. Persons opening appliances for maintenance, service, repair or disposal must comply with the required practice pursuant to §82.156.

2. Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to §82.158.

3. Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technical certification program pursuant to §82.161.

4. Persons disposing of small appliances, MVACs, and MVAC-like (as defined at §82.152) appliances must comply with recordkeeping requirements pursuant to §82.166.

5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to §82.156.

6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166.

DD. EMERGENCY EPISODE PLAN

The permittee shall comply with the requirements contained in Chapter 9.7 of the State of Montana Air Quality Control Implementation Plan.

Each major source emitting 100 tons per year located in a Priority I Air Quality Control Region shall submit to the Department a legally enforceable Emergency Episode Action Plan (EEAP) that details how the source will curtail emissions during an air pollutant emergency episode. The industrial EEAP shall be in accordance with the Department's EEAP and be submitted according to a timetable developed by the Department following Priority I reclassification.

EE. DEFINITIONS

Terms not otherwise defined in this permit or in the Definitions and Abbreviations Appendix of this permit shall have the meaning assigned to them in the referenced regulation.

APPENDICES

App. A RULE CITATION

Pursuant to Chapter 418, Laws of Montana 1995, effective July 1, 1995, the Air Quality Division was transferred from the Department of Health and Environmental Sciences to the Department of Environmental Quality. To implement the legislation, ARM 16.8.101 through ARM 16.8.2025, and 16.9.101 through 16.9.106, except any repealed rules, were transferred to the Department of Environmental Quality as ARM 17.8.101 through 17.8.1234 and 17.80.101 through 17.80.106 effective August 22, 1996. On September 19, 1997, the rule transfer was submitted to EPA and is pending approval as part of the State Implementation Plan (SIP). The old citations are still cited in the SIP until EPA approves the rule transfer.

NEW CITATION		OLD CITATION
Sub-chapter 1 – General Provisions		
17.8.101	Definitions	16.8.701
17.8.102	Incorporation by Reference - Publication Dates and Availability of Referenced Documents	16.8.710
17.8.103	Incorporation by Reference	16.8.708
17.8.105	Testing Requirements	16.8.704
17.8.106	Source Testing Protocol	16.8.709
17.8.110	Malfunctions	16.8.705
17.8.111	Circumvention	16.8.707
17.8.120	Variance Procedures – Initial Application	16.8.101
17.8.121	Variance Procedures – Renewal Application	16.8.102
17.8.130	Enforcement Procedures – Notice of Violation –Order to Take Corrective Action	16.8.201
17.8.131	Enforcement Procedures – Appeal to Board	16.8.202
17.8.140	Rehearing Procedures – Form and Filing of Petition	16.8.302
17.8.141	Rehearing Procedures – Filing Requirements	16.8.303
17.8.142	Rehearing Procedures – Board Review	16.8.304
Sub-chapter 2 – Ambient Air Quality		
17.8.201	Definitions	16.8.806
17.8.202	Incorporation by Reference	16.8.823
17.8.204	Ambient Air Monitoring	16.8.807
17.8.205	Enforceability	16.8.808
17.8.206	Methods and Data	16.8.809
17.8.210	Ambient Air Quality Standards for Sulfur Dioxide	16.8.820
17.8.211	Ambient Air Quality Standards for Nitrogen Dioxide	16.8.816
17.8.212	Ambient Air Quality Standards for Carbon Monoxide	16.8.811
17.8.213	Ambient Air Quality Standards for Ozone	16.8.817
17.8.214	Ambient Air Quality Standards for Hydrogen Sulfide	16.8.810
17.8.220	Ambient Air Quality Standards for Settled Particulate Matter	16.8.818
17.8.221	Ambient Air Quality Standards for Visibility	16.8.822
17.8.222	Ambient Air Quality Standards for Lead	16.8.815
17.8.223	Ambient Air Quality Standards for PM-10	16.8.821
17.8.230	Fluoride in Forage	16.8.813
Sub-chapter 3 – Emission Standards		
17.8.301	Definitions	16.8.1430
17.8.302	Incorporation by Reference	16.8.1429
17.8.304	Visible Air Contaminants	16.8.1404
17.8.308	Particulate Matter, Airborne	16.8.1401
17.8.309	Particulate Matter, Fuel Burning Equipment	16.8.1402
17.8.310	Particulate Matter, Industrial Processes	16.8.1403
17.8.315	Odors	16.8.1427
17.8.316	Incinerators	16.8.1406
17.8.320	Wood-Waste Burners	16.8.1407

17.8.321	Kraft Pulp Mills	16.8.1413
17.8.322	Sulfur Oxide Emissions – Sulfur in Fuel	16.8.1411
17.8.323	Sulfur Oxide Emissions – Primary Copper Smelters	16.8.1412
17.8.324	Hydrocarbon Emissions – Petroleum Products	16.8.1425
17.8.325	Motor Vehicles	16.8.1426
17.8.326	Prohibited Materials for Wood or Coal Residential Stoves	16.8.1428
17.8.330	Emission Standards for Existing Aluminum Plants- Definitions	16.8.1501
17.8.331	Emission Standards for Existing Aluminum Plants- Standards for Fluoride	16.8.1502
17.8.332	Emission Standards for Existing Aluminum Plants- Standard	16.8.1503
17.8.333	Emission Standards for Existing Aluminum Plants - Monitoring and Reporting	16.8.1504
17.8.334	Emission Standards for Existing Aluminum Plants - Startup and Shutdown	16.8.1505
17.8.340	Standard of Performance for New Stationary Sources	16.8.1423
17.8.341	Emission Standards for Hazardous Air Pollutants	16.8.1424
17.8.342	Emission Standards for Hazardous Air Pollutants for Source Categories	16.8.1431

Sub-chapter 4 – Stack Heights and Dispersion Techniques

17.8.401	Definitions	16.8.1204
17.8.402	Requirements	16.8.1205
17.8.403	Exemptions	16.8.1206

Sub-chapter 5 – Air Quality Permit Application, Operation, and Open Burning Fees

17.8.501	Definitions	16.8.1901
17.8.504	Air Quality Permit Application Fees	16.8.1905
17.8.505	Air Quality Operation Fees	16.8.1903
17.8.510	Annual Review	16.8.1902
17.8.511	Air Quality Permit Application/Operation Fee	16.8.1906
17.8.514	Air Quality Open Burning Fees	16.8.1907
17.8.515	Air Quality Open Burning Fees for Conditional, Emergency, Christmas Tree Waste, and Commercial Film Production Open Burning Permits	16.8.1908

Sub-chapter 6 – Open Burning

17.8.601	Definitions	16.8.1301
17.8.602	Incorporation by Reference	16.8.1311
17.8.604	Prohibited Open Burning – When Permit Required	16.8.1302
17.8.605	Special Burning Periods	16.8.1305
17.8.606	Minor Open Burning Source Requirements	16.8.1303
17.8.610	Major Open Burning Source Restrictions	16.8.1304
17.8.611	Emergency Open Burning Permits	16.8.1308
17.8.612	Conditional Air Quality Open Burning Permits	16.8.1307
17.8.613	Christmas Tree Waste Open Burning Permits	16.8.1309
17.8.614	Commercial Film Production Open Burning Permits	16.8.1310
17.8.615	Firefighter Training	16.8.1306

Sub-chapter 7 – Permit, Construction and Operation of Air Contaminant Sources

17.8.701	Definitions	16.8.1101
17.8.702	Incorporation by Reference	16.8.1120
17.8.704	General Procedures for Air Quality Preconstruction Permitting	16.8.1119
17.8.705	When Permit Required – Exclusions	16.8.1102
17.8.706	New or Altered Sources and Stacks – Permit Application Requirements	16.8.1105
17.8.707	Waivers	16.8.1118
17.8.708	Notification of Emissions Increase	16.8.1121
17.8.710	Conditions for Issuance of Permit	16.8.1109
17.8.715	Emission Control Requirements	16.8.1103
17.8.716	Inspection of Permit	16.8.1115
17.8.717	Compliance with Other Statutes and Rules	16.8.1117

17.8.720	Public Review of Permit Application	16.8.1107
17.8.730	Denial of Permit	16.8.1110
17.8.731	Duration of Permit	16.8.1111
17.8.732	Revocation of Permit	16.8.1112
17.8.733	Modification of Permit	16.8.1113
17.8.734	Transfer of Permit	16.8.1114

Sub-chapter 8 – Prevention of Significant Deterioration of Air Quality

17.8.801	Definitions	16.8.945
17.8.802	Incorporation by Reference	16.8.946
17.8.804	Ambient Air Increments	16.8.947
17.8.805	Ambient Air Ceilings	16.8.948
17.8.806	Restrictions on Area Classifications	16.8.949
17.8.807	Exclusions From Increment Consumption	16.8.950
17.8.808	Redesignation	16.8.951
17.8.809	Stack Heights	16.8.952
18.8.818	Review of Major Stationary Sources and Major Modification – Source Applicability and Exemptions	16.8.953
17.8.819	Control Technology Review	16.8.954
17.8.820	Source Impact Analysis	16.8.955
17.8.821	Air Quality Models	16.8.956
17.8.822	Air Quality Analysis	16.8.957
17.8.823	Source Information	16.8.958
17.8.824	Additional Impact Analyses	16.8.959
17.8.825	Sources Impacting Federal Class I Areas – Additional	16.8.960
17.8.826	Public Participation	16.8.961
17.8.827	Source Obligation	16.8.962
17.8.828	Innovative Control Technology	16.8.963

Sub-chapter 9 – Permit Requirements for Major Stationary Sources or Major Modifications Located Within Nonattainment Areas

17.8.901	Definitions	16.8.1701
17.8.902	Incorporation by Reference	16.8.1702
17.8.904	When Air Quality Preconstruction Permit Required	16.8.1703
17.8.905	Additional Conditions of Air Quality Preconstruction Permit	16.8.1704
17.8.906	Baseline for Determining Credit for Emissions and Air Quality Offsets	16.8.1705

Sub-chapter 10 – Preconstruction Permit Requirements for Major Stationary Sources or Major Modifications Located Within Attainment or Unclassified Areas

17.8.1001	Definitions	16.8.1801
17.8.1002	Incorporation by Reference	16.8.1802
17.8.1004	When Air Quality Preconstruction Permit Required	16.8.1803
17.8.1005	Additional Conditions of Air Quality Preconstruction Permit	16.8.1804
17.8.1006	Review of Specified Sources for Air Quality Impact	16.8.1805
17.8.1007	Baseline for Determining Credit for Emissions and Air Quality Offsets	16.8.1806

Sub-chapter 11 – Visibility Impact Assessment

17.8.1101	Definitions	16.8.1002
17.8.1102	Incorporation by Reference	16.8.1009
17.8.1103	Applicability – Visibility Requirements	16.8.1001
17.8.1106	Visibility Impact Analysis	16.8.1003
17.8.1107	Visibility Models	16.8.1004
17.8.1108	Notification of Permit Application	16.8.1005
17.8.1109	Adverse Impact of Federal Land Manager	16.8.1006
17.8.1110	Visibility Monitoring	16.8.1007
17.8.1111	Additional Impact Analysis	16.8.1008

Sub-chapter 12 – Operating Permit Program

17.8.1201	Definitions	16.8.2002
17.8.1202	Incorporation by Reference	16.8.2003

17.8.1203	Air Quality Operating Permit Program Overview	16.8.2001
17.8.1204	Air Quality Operating Permit Program Applicability	16.8.2004
17.8.1205	Requirements for Timely and Complete Air Quality Permit Applications 16.8.2005	
17.8.1206	Information Required for Air Quality Operating Permit Applications	16.8.2006
17.8.1207	Certification of Truth, Accuracy, and Completeness	16.8.2007
17.8.1210	General Requirements for Air Quality Operating Permit Content	16.8.2008
17.8.1211	Requirements for Air Quality Operating Permit Content Relating to Emission Limitations and Standards, and Other Requirements	16.8.2009
17.8.1212	Requirements for Air Quality Operating Permit Content Relating to Monitoring, Recordkeeping and Reporting	16.8.2010
17.8.1213	Requirements for Air Quality Operating Permit Content Relating to Compliance	16.8.2011
17.8.1214	Requirements for Air Quality Operating Permit Content Relating to the Permit Shield and Emergencies	16.8.2012
17.8.1215	Requirements for Air Quality Operating Permit Content Relating to Operational Flexibility	16.8.2013
17.8.1220	Air Quality Operating Permit Issuance, Renewal, Reopening and Modification	16.8.2014
17.8.1221	Operation Without an Air Quality Operating Permit and Application Shield	16.8.2015
17.8.1222	General Air Quality Operating Permits	16.8.2016
17.8.1223	Temporary Air Quality Operating Permits	16.8.2017
17.8.1224	Additional Requirements for Operational Flexibility and Air Quality Operating Permit Changes that do not Require Revisions	16.8.2018
17.8.1225	Additional Requirements for Air Quality Operating Permit Amendments	16.8.2019
17.8.1226	Additional Requirements for Minor Air Quality Operating Permit Modifications	16.8.2020
17.8.1227	Additional Requirements for Significant Air Quality Operating Permit Modifications	16.8.2021
17.8.1228	Additional Requirements for Air Quality Operating Permit Revocation, Reopening and Revision for Cause	16.8.2022
17.8.1231	Notice of Termination, Modification, or Revocation and Reissuance by the Administrator for Cause	16.8.2023
17.8.1232	Public Participation	16.8.2024
17.8.1233	Permit Review by the Administrator and Affected States	16.8.2025
17.8.1234	Acid Rain – Permit Regulation	16.8.2026

Chapter 80 – Air and Water Quality – Tax Certification
Sub-chapter 1 – Tax Certification for Pollution Control Equipment

17.80.101	Definitions	16.9.101
17.80.102	Application for Certification as Air or Water Pollution Equipment	16.9.102
17.80.103	Eligibility Criteria	16.9.103
17.80.104	Apportionment Procedures	16.9.104
17.80.105	Compliance	16.9.105
17.80.106	Informal Conference	16.9.106

App. B INSIGNIFICANT EMISSION UNITS

Disclaimer: The information in this appendix is not State or Federally enforceable but is presented to assist the permittee, the permitting authority, inspectors, and the public.

Pursuant to ARM 17.8.1201(22)(a), an insignificant emission unit means any activity or emissions unit located within a source that: (i) has a potential to emit less than 5 tons per year of any regulated pollutant; (ii) has a potential to emit less than 500 pounds per year of lead; (iii) has a potential to emit less than 500 pounds per year of hazardous air pollutants listed pursuant to section 7412 (b) of the FCAA; and (iv) is not regulated by an applicable requirement, other than a generally applicable requirement that applies to all emission units subject to Subchapter 12.

List of Insignificant Activities:

The following table of insignificant sources and/or activities were provided by the permittee. Because there are no requirements to update such a list, the emissions units and/or activities may change from those specified in the table.

Emissions Unit ID	Description
EU11	Process Tank Vents
EU12	Carbon dioxide System Safety Valves & Vents

App. C DEFINITIONS and ABBREVIATIONS

"Act" means the Clean Air Act, as amended, 42 U.S. 7401, *et seq*.

"Administrative permit amendment" means an air quality operating permit revision that:

(a) Corrects typographical errors

(b) Identifies a change in the name, address or phone number of any person identified in the air quality operating permit, or identifies a similar minor administrative change at the source

(c) Requires more frequent monitoring or reporting by the permittee

(d) Requires changes in monitoring or reporting requirements that the Department deems to be no less stringent than current monitoring or reporting requirements

(e) Allows for a change in ownership or operational control of a source if the Department has determined that no other change in the air quality operating permit is necessary, consistent with ARM 17.8.1225

(f) Incorporates any other type of change that the Department has determined to be similar to those revisions set forth in (a)-(e), above

"Applicable requirement" means all of the following as they apply to emissions unit in a source requiring an air quality operating permit (including requirements that have been promulgated or approved by the Department or the administrator through rule making at the time of issuance of the air quality operating permit, but have future-effective compliance dates, provided that such requirements apply to sources covered under the operating permit):

(a) Any standard, rule, or other requirement, including any requirement contained in a consent decree or judicial or administrative order entered into or issued by the Department, that is contained in the Montana state implementation plan approved or promulgated by the administrator through rule making under Title I of the FCAA

(b) Any federally enforceable term, condition or other requirement of any air quality preconstruction permit issued by the Department under subchapters 7, 8, 9 and 10 of this chapter, or pursuant to regulations approved or promulgated through rule making under Title I of the FCAA, including parts C and D

(c) Any standard or other requirement under sec. 7411 of the FCAA, including sec. 7411(d)

(d) Any standard or other requirement under sec. 7412 of the FCAA, including any requirement concerning accident prevention under sec. 7412(r)(7), but excluding the contents of any risk management plan required under sec. 7412(r)

(e) Any standard or other requirement of the acid rain program under Title IV of the FCAA or regulations promulgated thereunder

(f) Any requirements established pursuant to sec. 7661c(b) or sec. 7414(a)(3) of the FCAA

(g) Any standard or other requirement governing solid waste incineration, under sec. 7429 of the FCAA

(h) Any standard or other requirement for consumer and commercial products, under sec. 7511b(e) of the FCAA

(i) Any standard or other requirement for tank vessels, under sec. 7511b(f) of the FCAA

(j) Any standard or other requirement of the regulations promulgated to protect stratospheric ozone under Title VI of the FCAA, unless the administrator determines that such requirements need not be contained in an air quality operating permit

(k) Any national ambient air quality standard or increment or visibility requirement under part C of Title I of the FCAA, but only as it would apply to temporary sources permitted pursuant to sec. 7661c(e) of the FCAA

(l) Any federally enforceable term or condition of any air quality open burning permit issued by the Department under subchapter 6

"Certified Visible Emissions Evaluator" means a person who has received certification as a qualified observer in accordance with the requirements of 40 CFR Part 60, Appendix A Method 9 Section 3.

"Department" means the Montana Department of Environmental Quality.

"Emissions unit" means any part or activity of a stationary source that emits or has the potential to emit any regulated air pollutant or any pollutant listed under sec. 7412(b) of the FCAA. This term is not meant to alter or affect the definition of the term "unit" for purposes of Title IV of the FCAA.

"FCAA" means the Federal Clean Air Act, as amended.

"Federally enforceable" means all limitations and conditions which are enforceable by the administrator, including those requirements developed pursuant to 40 CFR Parts 60 and 61, requirements within the Montana state implementation plan, and any permit requirement established pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Part 51, Subpart I, including operating permits issued under an EPA approved program that is incorporated into the Montana state implementation plan and expressly requires adherence to any permit issued under such program.

"Fugitive emissions" means those emissions that could not reasonably pass through a stack, chimney, vent, or other functionally equivalent opening.

"General air quality operating permit" or **"general permit"** means an air quality operating permit that meets the requirements of ARM 17.8.1222, covers multiple sources in a source category, and is issued in lieu of individual permits being issued to each source.

"Hazardous air pollutant" means any air pollutant listed as a hazardous air pollutant pursuant to section 112(b) of the FCAA.

"Non-federally enforceable requirement" means the following as they apply to emissions units in a source requiring an air quality operating permit:

(a) Any standard, rule, or other requirement, including any requirement contained in a consent decree, or judicial or administrative order entered into or issued by the Department, that is not contained in the Montana state implementation plan approved or promulgated by the administrator through rule making under Title I of the FCAA

(b) Any term, condition or other requirement contained in any air quality preconstruction permit issued by the Department under subchapters 7, 8, 9 and 10 of this chapter that is not federally enforceable

(c) Does not include any Montana ambient air quality standard contained in Subchapter 2 of this chapter.

"Permittee" means the owner or operator of any source subject to the permitting requirements of this subchapter, as provided in ARM 17.8.1204, that holds a valid air quality operating permit or has submitted a timely and complete permit application for issuance, renewal, amendment, or modification pursuant to this subchapter.

"Regulated air pollutant" means the following:

(a) Nitrogen oxides or any volatile organic compounds

(b) Any pollutant for which a national ambient air quality standard has been promulgated

(c) Any pollutant that is subject to any standard promulgated under sec. 7411 of the FCAA

(d) Any Class I or II substance subject to a standard promulgated under or established by Title VI of the FCAA

(e) Any pollutant subject to a standard or other requirement established or promulgated under sec. 7412 of the FCAA, including but not limited to the following

(i) Any pollutant subject to requirements under sec. 7412(j) of the FCAA. If the administrator fails to promulgate a standard by the date established in section 7412(e) of the FCAA, any pollutant for which a subject source would be major shall be considered to be regulated on the date 18 months after the applicable date established in section 7412(e) of the FCAA

(ii) Any pollutant for which the requirements of section 7412(g)(2) of the FCAA have been met but only with respect to the individual source subject to sec. 7412(g)(2) requirement.

"Responsible official" means one of the following:

(a) For a corporation: a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either:

(i) The facilities employ more than 250 persons or have gross annual sales or expenditures exceeding $25 million (in second quarter 1980 dollars)

(ii) The delegation of authority to such representative is approved in advance by the Department.

(b) For a partnership or sole proprietorship: a general partner or the proprietor; respectively

(c) For a municipality, state, federal, or other public agency: either a principal executive officer or ranking elected official. For the purposes of this part, a principal executive officer of a federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., a regional administrator of the environmental protection agency)

(d) For affected sources: the designated representative in so far as actions, standards, requirements, or prohibitions under Title IV of the FCAA or the regulations promulgated thereunder are concerned, and the designated representative for any other purposes under this subchapter.

Abbreviations:

ARM	Administrative Rules of Montana
ASTM	American Society of Testing Materials
BACT	Best Available Control Technology
BDT	bone dry tons
BTU	British Thermal Unit
CFR	Code of Federal Regulations
CO	carbon monoxide
DEQ	Department of Environmental Quality
dscf	dry standard cubic foot
dscfm	dry standard cubic foot per minute
EPA	U.S. Environmental Protection Agency
EPA Method	Test methods contained in 40 CFR 60, Appendix A
EU	emissions unit
FCAA	Federal Clean Air Act
gr	grains
HAP	hazardous air pollutant
IEU	insignificant emissions unit
Mbdft	thousand board feet
Method 5	40 CFR 60, Appendix A, Method 5
Method 9	40 CFR 60, Appendix A, Method 9
MMbdft	million board feet
MMBTU	million British Thermal Units
NOx	oxides of nitrogen
NO_2	nitrogen dioxide
O_2	oxygen
Pb	lead
PM	particulate matter
PM10	particulate matter less than 10 microns in size
psi	pounds per square inch
scf	standard cubic feet
SIC	Source Industrial Classification
SO_2	sulfur dioxide
SOx	oxides of sulfur
tpy	tons per year
U.S.C.	United States Code
VE	visible emissions
VOC	volatile organic compound

App. D NOTIFICATION ADDRESSES

Compliance Notifications:

Montana Department of Environmental Quality
Permitting and Compliance Division
Air & Waste Management Bureau
P.O. Box 200901
Helena, MT 59620-0901

U.S. EPA Region VIII, Montana Office
Federal Office Building
10 West 15th Street, Suite 3200
Helena, MT 95626

Attn: Air Program Coordinator

Permit Modifications:

Montana Department of Environmental Quality
Permitting and Compliance Division
Air & Waste Management Bureau
P.O. Box 200901
Helena, MT 59620-0901

Office of Partnerships and Regulatory Assistance
Air and Radiation Program
US EPA Region VIII 8P-AR
999 18th Street, Suite 500
Denver, CO 80202-2466

App. E AIR QUALITY INSPECTOR INFORMATION

Disclaimer: The information in this appendix is not State or Federally enforceable but is presented to assist the permittee, permitting authority, inspectors, and the public.

1. **Direction to Plant:**

   Exit on 27th Street Interchange from I-90 in Billings. Travel east paralleling Interstate 90 on the south side to Charlene Street and turn right. The plant gate is two blocks away on the right.

2. **Safety Equipment Required:**

   The following safety guidelines were submitted by Montana Power Company. It is assumed that all safety equipment, and procedures will stay the same with the new owner, PP&L Montana.

   GENERAL SAFETY GUIDELINES FOR THE J.E. CORETTE PLANT

   The following are the general safety rules for visitors at the J.E. Corette Plant. In all instances, visitors will be escorted by a company employee.

   SAFETY GLASSES AND HARD HATS

   All visitors are required to wear hard hats and safety glasses in the plant area, except when in the offices, lunchrooms, or other protected areas.

   PROPER CLOTHING

   Clothing and shoes that are suitable for the particular type of work and existing weather conditions shall be worn. Dresses, or other loose clothing, are not recommended.

   PROTECTIVE FOOTWEAR

   Closed-toe (no sandals), low-heeled shoes shall be worn. High-heel shoes with a heel less than 1 and ½ inch in diameter are not allowed.

   SIGNS

   Special instruction signs are for the safety of employees, visitors, and equipment. These instructions shall be observed at all times.

   - **Caution signs (Black and Yellow)**

     Indicate a possible hazard against which proper precaution should be taken. Caution signs warn against potential hazards or caution against an unsafe practice.

   - **Danger Signs (Red, Black, and White)**

     Indicate immediate danger, and special precautions are necessary.

   - **Safety Instruction Signs (Green and White)**

     Provide general instructions and for suggestive information.

- **Radiation Warning Signs (Reddish Purple and Yellow)**

  Warn of a radiation hazard only. Special precautions and equipment are necessary.

- **Direction Signs (Black and White)**

  Ensure the safe and efficient flow of vehicles and pedestrian traffic.

- **Fire Prevention and Location Signs (Red and White)**

  Inform of the location and give special instructions for fire prevention. All "NO SMOKING" and other fire protection signs shall be observed.

Vision, Hearing and respiratory protection signs, where posted, shall be observed.

HORSEPLAY

Scuffling and practical jokes are dangerous and are strictly forbidden.

SMOKING POLICY

Smoking or open flames shall not be permitted in areas where explosive atmospheres might be present or in any other area posted as a "NO SMOKING" area.

Absence of "NO SMOKING" signs shall not excuse smoking in dangerous places.

SEAT BELTS

Where seat belts are provided in vehicles and equipment, they shall be used at all times while the vehicle or equipment is being operated.

DRUGS AND ALCOHOL

The use of intoxicating beverages on Company premises is strictly forbidden.

The use of any drug on Company property, except those prescribed by competent medical authority, is strictly forbidden by Company Policy.

3. **Facility Plot Plan:**

The attached figure shows the plot plan as submitted to the Department in the operating permit application submitted by the Montana Power Company.

App. F OPACITY CEMS APPENDIX

Nothing in this appendix is intended to alter the requirement sin the Acid Rain Appendix.

1. Pursuant to 40 CFR Part 75, the permittee shall calibrate, maintain, and operate continuous monitoring systems.

   Except for system breakdowns, repairs, calibration checks, and zero and span adjustments required pursuant to 40 CFR §60.13(d), 40 CFR Part 75 and the accuracy audits required below, all continuous monitoring systems shall be in continuous operation.

   The permittee shall conduct annual accuracy audits using a calibration jig and NBS-traceable neutral density filters on the continuous monitoring system.

2. The permittee shall maintain records for a minimum of five (5) years of the log sheets, computerized data, analysis, and calculations used to prepare the required reports.

3. The permittee shall submit reports to the Department containing the information required by 40 CFR 60.7 and as explained below, except that all reports shall only be required semiannually for each six-month period.

   a. The permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affect facility; any malfunction of the air pollution control equipment; or any periods during which the continuous monitoring system is inoperative.

   b. The permittee shall submit an excess emissions and monitoring systems performance report and/or a summary report form (see paragraph (c) below) to the Department. Written reports of reportable excess emissions greater than 40% (6-minute average), 23% (1-hour average), or 17% (24-hour average) shall include the following information:

      i. The magnitude of excess emissions, any conversion factor(s) used, and the date and time of commencement and completion of each time period of excess emissions. The process operating time during the reporting period.

      ii. Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the affected facility. The nature and cause of any malfunction (if known), the corrective action taken or preventative measures adopted.

      iii. The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments.

      iv. When no excess emissions have occurred or the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be stated in the report.

   c. The summary report form shall contain the information and be in the format shown in Figure 1. The summary report form shall be submitted;

      i. If the total duration of excess emissions for the reporting period is less than one percent (1%) of the total operating time for the reporting period and CEMS down time for the reporting period is less than five percent (5%) of the total operating time for the reporting period, only the summary report form shall be submitted and the excess emission report described in section (b) above need not be submitted unless requested.

ii. If the total duration of excess emissions for the reporting period is one percent (1%) or greater of the total operating time for the reporting period or the total CEMS downtime for the reporting period is five percent (5%) or greater of the total operating time for the reporting period, the summary report form and the excess emission report described in section (b) above shall both be submitted.

Figure 1 – Summary Report – Excess Emission and Monitoring System Performance

Pollutant:
Reporting Period Dates: From _____ to _____
Emission Limitation:
Monitor Manufacturer and Model No.:
Date of Latest CEMS Certification or Audit:
Process Unit(s) Description:
Total Source Operating Time in Reporting Period:

Emission Data Summary

1. Duration of excess emission in reporting period due to:

    a. Startup/shutdown.
    b. Control equipment problems.
    c. Process problems.
    d. Other known causes.
    e. Unknown causes.

2. Total duration of excess emissions.

3. Total duration of excess emissions x 100 = % excess emissions
   Total Boiler Operating Time

CEMS Performance Summary

3. CEMS downtime in reporting period due to:

    a. Monitor equipment malfunctions.
    b. Non-monitoring equipment malfunctions.
    c. Quality assurance calibrations.
    d. Other known causes.
    e. Unknown causes.

4. Total CEMS Downtime when the boiler is operating (nearest quarter hour).

5. Total CEMS downtime when the boiler is operating x 100 = % downtime
   Total Boiler Operating Time

6. Total boiler operating time (nearest quarter hour).

The semiannual reports must be postmarked by the 30th day after the end of each six-month period.

App. G SO_2 CEMS APPENDIX

Nothing in this appendix is intended to alter the requirements in the Acid Rain Appendix.

1. Pursuant to 40 CFR Part 75, the permittee shall calibrate, maintain, and operate continuous monitoring systems. Heat input shall be determined as required in the 40 CFR Part 75, Appendix F and the NOx CEMS Appendix.

   Except for system breakdowns, repairs, calibration checks, and zero and span adjustments required pursuant to 40 CFR Part 75, all continuous monitoring systems shall be in continuous operation.

2. The permittee shall maintain records for a minimum of five (5) years of the log sheets, computerized data, analysis, and calculations used to prepare the required reports.

3. The permittee shall submit reports to the Department containing the information:

   a. The permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which the continuous monitoring system is inoperative.

   b. The permittee shall submit an excess emissions and monitoring systems performance report and/or a summary report form (see paragraph (c) below) to the Department. Written reports of excess emissions greater than 2 lbs of SO_2/mmBtu shall include the following information:

      i. The magnitude of excess emissions, any conversion factor(s) used, and the date and time of commencement and completion of each time period of excess emissions. The process operating time during the reporting period.

      ii. Any periods of time when the monitor range is exceeded. This shall include the date and time of commencement and completion of each time period the monitor is exceeding the range. The process operating time during the reporting period. These periods shall be considered periods of excess emissions.

      iii. Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the affected facility. The nature and cause of any malfunctions (if known), the corrective action taken or preventative measures adopted.

      iv. The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs and adjustments.

      v. When no excess emissions have occurred or the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be stated in the report.

   c. The summary report form shall contain the information and be in the format shown in Figure 1. The summary report form shall be submitted:

      i. If the total duration of excess emissions for the reporting period is less than one percent (1%) of the total operating time for the reporting period and CEMS downtime for the reporting period is less than five percent (5%) of the total operating time for the reporting period, only the summary report form shall be submitted and the excess emission report described in section (b) above need not be submitted unless requested.

ii. If the total duration of excess emissions for the reporting period is one percent (1%) or greater of the total operating time for the reporting period or the total CEMS downtime for the reporting period is five percent (5%) or greater of the total operating time for the reporting period, the summary report form and the excess emission report described in section (b) above shall both be submitted.

Figure 1 – Summary Report – Gaseous Excess Emission and Monitoring System Performance

Pollutant:
Reporting Period Dates: From _____ to _____
Emission Limitation:
Monitor Manufacturer and Model No.:
Date of Latest CEMS Certification or Audit:
Process Unit(s) Description:
Total Source Operating Time in Reporting Period:

Emission Data Summary

1. Duration of excess emission in reporting period due to:

   f. Startup/shutdown.
   g. Control equipment problems.
   h. Process problems.
   i. Other known causes.
   j. Unknown causes.

2. Total duration of excess emissions.

3. Total duration of excess emissions x 100 = % excess emissions
   Total Boiler Operating Time

CEMS Performance Summary

1. CEMS downtime in reporting period due to:

   f. Monitor equipment malfunctions.
   g. Non-monitoring equipment malfunctions.
   h. Quality assurance calibrations.
   i. Other known causes.
   j. Unknown causes.

2. Total CEMS Downtime when the boiler is operating (nearest quarter hour).

3. Total CEMS downtime when the boiler is operating x 100 = % downtime
   Total Boiler Operating Time

4. Total boiler operating time (nearest quarter hour).

The semiannual reports must be postmarked by the 30th day after the end of each six-month period.

4. The permittee shall submit quarterly reports to the Department containing the following information for each month of the quarter:

a. Tons of emissions calculated as the sum of $E_h = K \times C_h \times Q_h$, where E_h = emission rate (lbs/hr), K = 1.66×10^{-7} (lb/scf)/ppm(SO_2), C_h = measured pollutant concentration (ppm_{wet}), and Q_h = measured stack gas flow rate ($SCFH_{wet}$); and

b. A summary report including the information identified in 40 CFR 75.64(a)(2) in writing, which includes:

   - Tons (rounded to the nearest tenth) of SO_2 emitted during the quarter and cumulative SO_2 emissions for calendar year.

   The quarterly reports must be postmarked by the 30th day after the end of the calendar quarter.

5. The permittee shall submit copies of all RATAs performed to the Department in accordance with ARM 17.8.106, Source Testing Protocol.

6. The permittee shall submit copies of each monitoring plan revision, which results in the need to recertify the CEMS.

App. H NOx CEMS APPENDIX

Nothing in this appendix is intended to alter the requirements in the Acid Rain Appendix.

1. Except for system breakdowns, repairs, calibration checks, and zero and span adjustments required pursuant to 40 CFR Part 75, all continuous monitoring systems shall be in continuous operation.

2. The permittee shall conduct a "Standard Practice for Ultimate Analysis of Coal and Coke", ASTM D5291-92, at a minimum of once per year for each type of coal used.

3. The permittee shall determine the gross calorific value (GCV) of the fuels using ASTM D2015-91, "Standard Test Method for Gross Calorific Value of Coal and Coke by the Adiabatic Bomb Calorimeter" or other method as identified in 40 CFR Part 75, Appendix F, §3.3.6.2, at a minimum of once per year for each type of coal used.

4. The permittee shall conduct a weekly fuel analysis using ASTM D4239-85 or other method approved by the Department.

5. The permittee shall maintain records for a minimum of five (5) years of the log sheets, computerized data, analysis, and calculations used to prepare the required reports.

6. The permittee shall submit reports to the Department containing the following information:

    a. The permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which the continuous monitoring system is inoperative.

    b. The permittee shall submit a monitoring system performance report to the Department in the format shown in Figure 1.

Figure 1 – Summary Report – Gaseous Excess Emission and Monitoring System Performance

Pollutant:
Reporting Period Dates: From _____ to _____
Emission Limitation:
Monitor Manufacturer and Model No.:
Date of Latest CEMS Certification or Audit:
Process Unit(s) Description:
Total Source Operating Time in Reporting Period:

Emission Data Summary

1. Duration of excess emission in reporting period due to:

   k. Startup/shutdown.
   l. Control equipment problems.
   m. Process problems.
   n. Other known causes.
   o. Unknown causes.

2. Total duration of excess emissions.

3. Total duration of excess emissions x 100 = % excess emissions
   Total Boiler Operating Time

CEMS Performance Summary

1. CEMS downtime in reporting period due to:

   k. Monitor equipment malfunctions.
   l. Non-monitoring equipment malfunctions.
   m. Quality assurance calibrations.
   n. Other known causes.
   o. Unknown causes.

2. Total CEMS Downtime when the boiler is operating (nearest quarter hour).

3. Total CEMS downtime when the boiler is operating x 100 = % downtime
   Total Boiler Operating Time

4. Total boiler operating time (nearest quarter hour).

The reports shall only be required semiannually for each six-month period. The semiannual reports must be postmarked by the 30th day after the end of each six-month period.

7. The permittee shall submit quarterly reports to the Department containing the following information for each month of the quarter:

   a. Monthly average coal analysis
   b. Coal consumption
   c. Other fuels combusted and the amount

d. Tons of emissions calculated as the sum of $E_h = K \times C_h \times Q_h$, where E_h = emission rate (lbs/hr), K = 1.19×10^{-7} (lb/scf)/ppm (NOx), C_h = measured pollutant concentration (ppm_{wet}), and Q_h = measured stack gas flow rate ($SCFH_{wet}$); and
e. A summary report including the information identified in 40 CFR 75.64(a)(3) through (5) in writing which includes:

   i. Average NOx emission rate (lbs/mmBtu, rounded to the nearest hundredth) during the quarter and cumulative NOx emission rate for calendar year.
   ii. Tons of CO_2 emitted during quarter and cumulative CO_2 for calendar year.
   iii. Total heat input (mmBtu) for quarter and cumulative heat input for calendar year.

The quarterly reports must be postmarked by the 30th day after the end of the calendar quarter.

8. The permittee shall submit copies of all RATAs performed to the Department in accordance with ARM 17.8.106, Source Testing Protocol.

9. The permittee shall submit copiers of each monitoring plan revision, which results in the need to recertify the CEMS.

App. I ACID RAIN APPENDIX

App. J SO_2 SIP APPENDIX

App. K OPERATION MODIFICATIONPLAN-REVISION 4 APPENDIX