

STATE OF MONTANA
Department of Environmental Quality
Helena, Montana 59620



AIR QUALITY OPERATING PERMIT

Permit Number: OP2035-00

Effective Date: 8/1/99

Expiration Date: 8/1/2004

Permit Application Received: 6/8/95

Application Deemed Administratively Complete: 6/22/95

Application Deemed Substantively Complete: 6/22/95

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Date of Decision: 7/1/99

AFS Number: 087-0007

Colstrip Energy Limited Partnership
N½, Section 32, Township 3 North, Range 41 East, Rosebud County, Montana

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 as effective and final on August 1, 1999. This cover sheet must be attached to the date of decision issued on July 1, 1999 and the permit must be kept on-site at the above named facility.

Issued by the Department of Environmental Quality

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Montana Air Quality Operating Permit
Department of Environmental Quality

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Section I - General Information

Company Name: Colstrip Energy Limited Partnership (CELP)
Mailing Address: 1087 West River Street, Suite 200, Boise, Idaho 83702
Plant Name: Rosebud Power Plant
Plant Address: Six miles north of Colstrip on Highway 39
Responsible Official: Owen Orndorff, Vice President General Counsel
Facility Contact Person: Lee Roberts
Phone: (208) 344-3570
Primary SIC Code: 49
Nature of Business: Electric Energy Generation

Summary of Facility Process:

The Rosebud Power Plant is an electric generating facility designed to burn low-BTU waste coal from mining operations east of Billings, Montana. The facility uses a circulating fluidized bed (CFB) boiler. The CFB boiler is designed to efficiently utilize low-Btu coal while also allowing a high recovery of fuel sulfur through the injection of limestone into the fluidized bed.

Coal is delivered to this facility using covered trucks and trailers. The facility does not have means for coal storage beyond the truck hopper (80 ton capacity), and the boiler coal bunkers (1700 ton capacity). The coal is crushed in primary and a secondary crushers, then conveyed directly to the boiler house coal bunker. The crushed coal is metered to the fluidized bed portion of the boiler using gravimetric feeders.

Limestone is delivered to this facility in trucks and trailers and is unloaded pneumatically into a 820 ton silo. From the silo, limestone is metered to the boiler using gravimetric feeders and a pressure pneumatic conveying system. In the boiler, the coal is burned at relatively low temperatures to minimize NOx formation. Limestone fed to the boiler acts as a reactant for removing sulfur dioxide.

Ash from the boiler is discharged as either bedash or flyash. Both types of ash are collected in separate systems and conveyed pneumatically to a common ash silo. The combined ash is unloaded periodically into a plant ash truck and transported to an on-site disposal area.

Section II - Summary of Emitting Units

Emitting Unit	Description	Control Equipment
1	Truck Transport of Coal	reasonable precautions and covered haul trucks
2	Truck Unloading of Coal	baghouse
3	Coal Crushing and Transport	baghouse
4	Coal Bunker Bin Vents	baghouses
5	Limestone Unloading, Handling, and Storage	fabric filter baghouse and cartridge filter
6	Circulating Fluidized Bed Boiler	baghouse
7	Flyash Conveying and Storage	baghouse
8	Bedash Conveying and Storage	baghouse
9	Ash Storage Silo Unloading	baghouse
10	Ash Truck Unloading	water spray
11	Fugitive Emissions: Ash Disposal Area	water spray
12	Fugitive Emissions: Vehicle Traffic	paving or chemical dust suppression or water spray as backup

Section III - Permit Conditions

The following requirements and conditions are applicable to the facility or to specific emissions units located at the facility. [ARM 17.8.1211, 1212, and 1213]

A. Facility-Wide

Rule Citation	Description	Pollutant/Parameter	Limit	Condition
ARM 17.8.304(2)	Visible Air Contaminants	Opacity	20%	A1
ARM 17.8.308(1)	Particulate Matter, Airborne	Fugitive Opacity	20%	A2
ARM 17.8.308(2)	Particulate Matter, Airborne	Opacity	Reasonable Precautions	A3
ARM 17.8.308(3)	Particulate Matter, Airborne	Reasonable Precaution - Construction	20%	A4
ARM 17.8.309	Particulate Matter, Fuel Burning Equipment	Particulate Matter	$E = 0.882 * H^{-0.1664}$ or $E = 1.026 * H^{-0.233}$	A5
ARM 17.8.310	Particulate Matter, Industrial Processes	Particulate Matter	$E = 4.10 * P^{0.67}$ or $E = 55 * P^{0.11} - 40$	A6
ARM 17.8.322(4)	Sulfur Oxide Emissions, Sulfur in Fuel	Sulfur in Fuel (liquid or solid fuels)	1lb/MMBtu fired	A7
ARM 17.8.322(5)	Sulfur Oxide Emissions, Sulfur in Fuel	Sulfur in Fuel (gaseous)	50 gr/100 CF	A8
ARM 17.8.710	Ambient Air Monitoring Plan	PM-10	---	A9
ARM 17.8.340	New Source Performance Standards	All Applicable Provisions of Subparts Da and Y	---	A10
ARM 17.8.1212	Reporting Requirements	Compliance Monitoring	---	A11
ARM 17.8.1207	Reporting Requirements	Annual Certification	---	A12

Conditions

- A1. Pursuant to ARM 17.8.304(2), CELP shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed after November 23, 1968, that exhibit an opacity of 20% or greater averaged over 6 consecutive minutes unless otherwise specified by rule or in this permit.
- A2. Pursuant to ARM 17.8.308(1), CELP 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.
- A3. Pursuant to ARM 17.8.308(2), CELP 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.
- A4. Pursuant to ARM 17.8.308(3), CELP 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 average over six consecutive minutes unless otherwise specified by rule or in this permit.

- A5. Pursuant to ARM 17.8.309 unless otherwise specified by rule or in this permit, CELP 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 Nov. 23, 1968): $E=0.882 * H^{-0.1664}$

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

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

- A6. Pursuant to ARM 17.8.310, unless otherwise specified by rule or in this permit, CELP 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.

- A7. Pursuant to ARM 17.8.322(4), CELP shall not burn liquid or solid fuels containing sulfur in excess of 1 pound per million Btu fired unless otherwise specified by rule or in this permit.
- A8. Pursuant to ARM 17.8.322(5) unless otherwise specified by rule or in this permit, CELP 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.
- A9. Pursuant to ARM 17.8.710, CELP shall operate an ambient air quality monitoring network near the facility. The ambient air monitoring requirements are fully described in Appendix F.
- A10. CELP shall be subject to all applicable provisions, as appropriate, of 40 CFR 60, Subpart Da 60.40a through 60.49a (Standards of Performance for Electric Utility Steam Generating Units for Which Construction Is Commenced After September 18, 1978) and Subpart Y - Standards of Performance for Coal Preparation Plants.**
- A11. On or before January 31 and July 31 of each year, CELP shall submit to the department the compliance monitoring reports required by Section V.D. These reports must contain all the information required by Section V.D., as well as the information required for each individual emissions unit. For the reports due by January 31 of each year, CELP may submit a single report provided that it contains all the information required by Sections V.B and V.D.
- A12. By January 31 of each year, CELP shall submit to the department the compliance certification report required by Section V.B. The annual certification report required by Section V.B must include a statement of compliance based on the information available which identifies any observed documented or otherwise known instances of noncompliance for each applicable requirement.

B. Emissions Unit: Truck Transport of Coal (EU 1)

Conditions	Pollutant/ Parameter	Permit Limit	Compliance Demonstration		Reporting Requirement
			Method	Frequency	
B1, B3, B4, B5, B6	Opacity	20%	Covered haul trucks and paving or chemical dust suppressants and water	As needed	Semiannual
B2, B3, B4, B5, B6	Airborne Particulate Matter	Reasonable Precautions			

Conditions

- B1. CELP 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. Such emissions of airborne particulate matter from any stationary source shall not exhibit an opacity of 20% or greater averaged over 6 consecutive minutes (ARM 17.8.308).
- B2. CELP 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 (ARM 17.8.308).

Compliance Demonstration

- B3. Coal haul trucks are to be covered during hauling operations (ARM 17.8.710).
- B4. All haul roads shall use either paving or chemical dust suppression to limit excessive fugitive dust, with water as a backup measure to maintain compliance with 20 percent opacity (ARM 17.8.715).

Recordkeeping

- B5. CELP shall maintain a log to document compliance with Section III.B.4. When chemical dust suppression or water are applied to control emissions, a log including, but not limited to, the date, time, name of person completing log, a description of the area of application, and a description of what material was applied shall be maintained. The log shall be available to the department for inspection and must be submitted to the department upon request.

Reporting

- B6. The annual compliance report required by Section V.B must contain a certification statement for the above applicable requirements. The semiannual compliance monitoring reports shall contain, but are not limited to, the following:
 - a. verification that the haul trucks were covered as required in Section III.B.3. and,
 - b. verification that either chemical or water dust suppression was applied as required in Section III.B.4.

C. Emissions Units: Truck Unloading of Coal (EU 2)

**Coal Crushing and Transport (EU 3)
Coal Bunker Bin Vents (EU 4)**

Conditions	Pollutant/ Parameter	Permit Limit	Compliance Demonstration		Reporting Requirement
			Method	Frequency	
C1, C6, C7, C10, C11, C12	Opacity	20%	Use of enclosed structure and baghouses Method 9	Whenever process equipment is operating As required	Semiannual As required by the Protocol
C2, C3, C4, C6, C8, C10, C11, C12	PM-10	0.005 gr/dscf (EU #2) 0.006 gr/dscf (EU #3) 0.01 gr/dscf (EU #4)	Use of enclosed structure and baghouses Method 201A	Whenever process equipment is operating As required	Semiannual As required by the Protocol
C5, C9, C12	Stack Heights	40 feet above the ground	Verification	Annual	Annual Certification

Conditions

- C1. CELP shall not cause or authorize emissions to be discharged into the atmosphere from any coal transfer and loading system processing coal, gases which exhibit 20 percent opacity or greater (ARM 17.8.340 and 40 CFR 60.252(c)).
- C2. The unloading of coal (EU 2) shall be in an enclosed structure and controlled by a baghouse. Particulate matter less than 10 microns (PM-10) emissions from the baghouse shall not exceed 0.005 gr/dscf (ARM 17.8.715).
- C3. The coal crushing, screening, and transfer emissions (EU 3) are to be vented to a baghouse for particulate control. PM-10 emissions from the baghouse shall not exceed 0.006 gr/dscf (ARM 17.8.715).
- C4. The coal storage bunker (EU 4) shall be controlled by two baghouses. PM-10 emissions from each baghouse shall not exceed 0.01 gr/dscf (ARM 17.8.715).
- C5. CELP shall maintain the stacks of the coal dump baghouse (EU 2) and the coal crushing baghouse (EU 3) 40 feet above the ground (ARM 17.8.710).

Compliance Demonstration

- C6. CELP shall use and maintain structural enclosures surrounding process equipment and operate baghouses for monitoring pertaining to the 20% opacity limit in Section III.C.1. and the particulate limits in Section III.C.2, III.C.3, and III.C.4.
- C7. A Method 9 test shall be performed as requested by the department. The test methods and procedures shall be conducted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106).
- C8. A Method 201A or other department approved test shall be performed as requested by the department. The test methods and procedures shall be conducted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106).
- C9. Verify the stack heights on the coal dump baghouse (EU 2) and the coal crushing baghouse (EU 3) are maintained 40 feet above the ground as specified in Section III.C.5.

Recordkeeping

- C10. CELP shall maintain a log of corrective actions and all repair and maintenance activity to the structural enclosures and baghouses. The log shall include, but is not limited to, the identification information for the enclosures and/or baghouses, the date of the maintenance and/or corrective action, the name(s) repair personnel, description of the maintenance activity and the item(s) repaired or replaced. The log shall be available to the department for inspection and must be submitted to the department upon request.

Reporting

- C11. The Method 9 test and Method 201A test or other department approved test reports shall be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106).
- C12. The annual compliance report required by Section V.B must contain a certification statement for the above applicable requirements. The semiannual compliance monitoring reports shall contain, but are not limited to, the following:
 - a. verification that the structural enclosures were maintained and in place during coal dumping,
 - b. verification that the baghouses were maintained and in place during operation of equipment,
 - c. verification that the log required in Section III.C.10 was maintained and provide a summary of maintenance performed and corrective actions taken during the period as required by Section III.C.10, and
 - d. a summary of the results of any reference method test.

D. Emissions Unit: Limestone Unloading, Handling, and Storage (EU 5)

Conditions	Pollutant/ Parameter	Permit Limit	Compliance Demonstration		Reporting Requirement
			Method	Frequency	
D1, D3, D4, D6, D7, D8	Opacity	20%	Use and maintenance of a baghouse	Whenever process equipment is operating	Semiannual
			Method 9	As required	As required by the Protocol
D2, D3, D5, D6, D7, D8	PM-10	0.01 gr/dscf	Use and maintenance of a baghouse	Whenever process equipment is operating	Semiannual
			Method 201A	As required	As required by the Protocol

Conditions

- D1. CELP shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any source that exhibit an opacity of 20% or greater averaged over 6 consecutive minutes (ARM 17.8.304).
- D2. Limestone truck unloading, handling, and storage shall be controlled by a baghouse. PM-10 emissions from the baghouse shall not exceed 0.01 gr/dscf (ARM 17.8.715).

Compliance Demonstration

- D3. CELP shall use and maintain a baghouse for monitoring pertaining to the 20% opacity limit in Section III.D.1. and the particulate limit in Section III.D.2.
- D4. A Method 9 test shall be performed as requested by the department. The test methods and procedures shall be conducted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106).
- D5. A Method 201A test or other department approved test shall be performed as requested by the department. The test methods and procedures shall be conducted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106).

Recordkeeping

- D6. CELP shall maintain a log of corrective actions and all repair and maintenance activity to the baghouse. The log shall include, but is not limited to, the identification information for the baghouse, the date of the maintenance and/or corrective action, the name(s) repair

personnel, description of the maintenance activity and the item(s) repaired or replaced. The log shall be available to the department for inspection and must be submitted to the department upon request.

Reporting

- D7. The Method 9 test and Method 201A test or other department approved test reports shall be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106).
- D8. The annual compliance report required by Section V.B must contain a certification statement for the above applicable requirements. The semiannual compliance monitoring reports shall contain, but are not limited to, the following:
 - a. verification that the baghouse was maintained and in place during operation of equipment,
 - b. verification that the log required in Section III.D.6 was maintained and provide a summary of maintenance performed and corrective actions taken during the period as required by Section III.D.6, and
 - c. a summary of the results of any reference method test.

E. Emission Units: Circulating Fluidized Bed Boiler (EU 6)

Conditions	Pollutant/ Parameter	Permit Limit	Compliance Demonstration		Reporting Requirement
			Method	Frequency	
E1, E7, E8, E18, E19, E20	Opacity	20%	CEMS Method 9	Continuous As Required	Quarterly As Required by the Protocol
E2, E7, E9, E18, E20	PM-10	26.28 tons/year 144.0 lbs/day 6.0 lbs/hr	Method 201A	Annual	As Required by the Protocol
E3, E7, E10, E18, E20	Particulate Matter	0.03 lb/MMBTU heat input and 99% reduction	Method 19 and Method 5 as specified in 40 CFR 60 Subpart Da	Annual	As Required by the Protocol
E2, E7, E11, E18, E19, E20	SO ₂	1840 tons/year 5.04 tons/day 432 lbs/hr (3-hour) 574 lbs/1-hour	CEMS	Continuous	Quarterly
			Method 6	As Required	As Required by the Protocol
E4, E7, E19, E20	SO ₂	1.20 lb/MMBTU heat input and 90% reduction or 70% reduction with <0.60 lb/MMBTU	CEMS	Continuous	Quarterly
E2, E7, E12, E18, E19, E20	NOx	1,435 tons/year 7,864 lbs/day 328 lbs/hr	CEMS	Continuous	Quarterly
			Method 7	As Required	As Required by the Protocol
E2, E7, E13, E18, E19, E20	CO	232 tons/year 1,272 lbs/day 53 lbs/hour	CEMS	Continuous	Quarterly
			Method 3B	As Required	As Required by the Protocol
E2, E7, E14, E17, E20	Emission Control Equipment	Operation and maintenance of a baghouse	Operation and maintenance of baghouse	Whenever Process Equipment is Operating	Semiannual
E5, E15, E20	Stack Heights	200 feet	Reporting	Annual	Annual Certification
E6, E16, E20	Fuel Burning	More than 25% by weight coal refuse on an annual basis	Reporting	Annual	Annual Certification

Conditions

- E1. CELP shall not cause to be discharged into the atmosphere from any affected facility any gases which exhibit greater than 20 percent opacity (6 minute average) except for one 6-minute period per hour of not more than 27 percent opacity (ARM 17.8.340 and 40 CFR 60.42a(b)).
- E2. CELP shall operate and maintain a baghouse on the CFB boiler. The CFB boiler's emissions for the pollutants listed below shall not exceed the following for the times identified (ARM 17.8.710).

Pollutant	Annual	Daily	3-hour	1-hour
SO₂	1,840 tons	5.04 tons	432 lbs/hr	574 lbs
NO_x	1,435 tons	7,864 lbs		328 lbs
CO	232 tons	1,272 lbs		53 lbs
PM-10	26.28 tons	144.0 lbs		6.0 lbs

- E3. CELP shall not cause to be discharged into the atmosphere from any 40 CFR 60 Subpart Da affected facility any gases which contain particulate matter in excess of:
 - a. 0.03 lb/million BTU (MMBTU) heat input derived from the combustion of solid, liquid, or gaseous fuel; and
 - b. 1 percent of the potential combustion concentration (99 percent reduction) when combusting solid fuel per 40 CFR 60.42a.
- E4. CELP shall not cause to be discharged into the atmosphere from any 40 CFR 60 Subpart Da affected facility any gases which contain sulfur dioxide (SO₂) in excess of:
 - a. 1.20 lb/million BTU heat input and 10 percent of the potential combustion concentration (90 percent reduction),¹ or

¹ Compliance is to be determined by calculating the arithmetic average of all hourly emission rates for SO₂ for the 30 successive boiler operating days as provided by 40 CFR Part 60 Subpart Da. Compliance with the percentage reduction requirement for SO₂ is determined based on the average inlet and average outlet SO₂ emission rates for the 30 successive boiler operation days per 40 CFR Part 60 Subpart Da.

- b. 30 percent of the potential combustion concentration (70 percent reduction), when emissions are less than 0.60 lb/million BTU heat input¹ per 40 CFR Part 60.43a.
- E5. The exhaust from the CFB boiler shall be discharged from a two hundred foot stack (ARM 17.8.710).
- E6. CELP shall burn fuel containing more than 25%, by weight, coal refuse on an annual basis (ARM 17.8.710).

Compliance Demonstration

- E7. Enforcement of Sections III.E.1, III.E.2, III.E.3, and II.E.4 requirements, where applicable, shall be determined by utilizing data taken from continuous emission monitors or approved test methods contained in the Montana Source Test Protocol and Procedures Manual. Opacity compliance may be determined via EPA Method 9 by a qualified observer. The above does not relieve CELP from meeting any applicable requirements of 40 CFR 60. Reporting requirements shall be as specified in 40 CFR 60, Subpart Da and Appendix E.
- E8. A Method 9 test shall be performed as required by the department to demonstrate compliance with the opacity limit in Section III.E.1. The test methods and procedures shall be conducted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106).
- E9. A Method 201A or other department approved test method shall be performed annually to demonstrate compliance with the PM-10 limit in Section III.E.2. The test methods and procedures shall be conducted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106).
- E10. CELP shall demonstrate compliance with the particulate matter limit in Section III.E.3 as specified in 40 CFR 60 Subpart Da.
- E11. A Method 6 or other department approved test method shall be performed as required by the department to demonstrate compliance with the SO₂ emission limit in Section III.E.2.
- E12. A Method 7 or other department approved test method shall be performed as required by the department to demonstrate compliance with the NO_x emission limit in Section III.E.2.
- E13. A Method 3B or other department approved test method shall be performed as required by the department to demonstrate compliance with the CO emission limit in Section III.E.2.
- E14. CELP shall operate and maintain a baghouse to demonstrate compliance with the requirement in Section III.E.2.

- E15. CELP shall verify that the CFB boiler stack height was maintained at two hundred feet as specified in Section III.E.5.
- E16. CELP shall report annually the amount of coal consumed (tons) and the amount of coal refuse consumed (tons) at the facility over the previous 12 months.

Recordkeeping

- E17. CELP shall maintain a log of the average daily pressure differential across the baghouse when the baghouse is operating. The log shall include, but is not limited to, the date and time of the measurement and the pressure differential reading. In addition, CELP shall maintain a log of corrective actions and all repair and maintenance activity to the baghouse. The log shall include, but is not limited to, the identification information for the baghouse, the date of the maintenance and/or corrective action, the name(s) repair personnel, description of the maintenance activity and the item(s) repaired or replaced. The logs shall be available to the department for inspection and must be submitted to the department upon request.

Reporting

- E18. Test reports shall be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106).
- E19. Excess emission reports and the results of inspections and audits, as required in Appendix E, shall be submitted quarterly to the department.
- E20. The annual compliance report required by Section V.B must contain a certification statement for the above applicable requirements. The semiannual compliance monitoring reports shall contain, but are not limited to, the following:
- a. verification that the baghouse was maintained and in place during operation of equipment, and
 - b. verify that the logs required in Section III.E.17 were maintained and provide a summary of maintenance performed and corrective actions taken during the period as required by Section III.E.17.

**F. Emission Units: Flyash Conveying and Storage (EU 7)
Bedash Conveying and Storage (EU 8)
Ash Storage Silo Unloading (EU 9)**

Conditions	Pollutant/ Parameter	Permit Limit	Compliance Demonstration		Reporting Requirement
			Method	Frequency	
F1, F6, F8, F11, F12, F13	Opacity	20%	Use and maintenance of a baghouses	Whenever process equipment is operating	Semiannual
			Method 9	As required	As required by the Protocol
F2, F3, F6, F9, F11, F12, F13	PM-10	0.004 gr/dscf (EU 7 and 8)	Use and maintenance of baghouses	Whenever process equipment is operating	Semiannual
			Method 201A	As required	As required by the Protocol
F4, F6, F7, F9, F11, F12, F13	PM-10	0.01 gr/dscf (EU 9)	Use and maintenance of a baghouse and covered haul trucks	Whenever process equipment is operating	Semiannual
			Method 201A	As required	As required by the Protocol
F5, F10, F13	Stack Heights	22 feet above the ground (EU 7 and 9)	Reporting	Annual	Annual Certification

Conditions

- F1. CELP shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any source that exhibit an opacity of 20% or greater averaged over 6 consecutive minutes (ARM 17.8.304).**
- F2. Flyash conveying and storage (EU 7) shall be controlled by a baghouse. PM-10 emissions from the baghouse shall not exceed 0.004 gr/dscf (ARM 17.8.715).**
- F3. Bedash conveying and storage (EU 8) shall be controlled by**

- a baghouse. PM-10 emissions from the baghouse shall not exceed 0.004 gr/dscf (ARM 17.8.715).
- F4. Ash storage silo unloading (EU 9) shall be controlled by a baghouse and covered haul trucks. PM-10 emissions from the baghouse shall not exceed 0.01 gr/dscf (ARM 17.8.715).
- F5. CELP shall maintain the stacks on the flyash (EU 7) and bedash (EU 8) storage baghouse/cartridge 22 feet above the ground (ARM 17.8.710).

Compliance Demonstration

- F6. CELP shall use and maintain a baghouses for monitoring pertaining to the 20% opacity limit in Section III.F.1. and the particulate limits in Section III.F.2, III.F.3, and III.F.4.
- F7. CELP shall use covered haul trucks for monitoring pertaining to Section III.F.4.
- F8. A Method 9 test shall be performed as requested by the department. The test methods and procedures shall be conducted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106).
- F9. A Method 201A or other department approved test shall be performed as requested by the department. The test methods and procedures shall be conducted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106).
- F10. Verify that the stack heights on the flyash (EU 7) and bedash (EU 8) storage baghouse/cartridge is maintained at 22 feet above the ground as specified in Section III.F.5.

Recordkeeping

- F11. CELP shall maintain a log of corrective actions and all repair and maintenance activity to the baghouses. The log shall include, but is not limited to, the identification information for the baghouse, the date of the maintenance and/or corrective action, the name(s) repair personnel, description of the maintenance activity and the item(s) repaired or replaced. The log shall be available to the department for inspection and must be submitted to the department upon request.

Reporting

- F12. The Method 9 test and Method 201A or other department approved test reports shall be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106).
- F13. The annual compliance report required by Section V.B must contain a certification statement for the above applicable requirements. The semiannual compliance monitoring reports shall contain, but are not limited to, the following:
- a. verification that the baghouses were maintained and in place during operation of equipment,

- b. verify that the log required in Section III.F.11 was maintained and provide a summary of maintenance performed and corrective actions taken during the period as required by Section III.F.11 and,
- c. a summary of the results of any reference method test.

G. Emission Unit: Ash Truck Unloading (EU 10)

Conditions	Pollutant/ Parameter	Permit Limit	Compliance Demonstration		Reporting Requirement
			Method	Frequency	
G1, G2, G3, G4	Opacity	20%	Visual Survey	Daily	Semiannual

Conditions

- G1. CELP 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 (ARM 17.8.308).

Compliance Demonstration

- G2. At least daily, during daylight hours, CELP shall visually survey all paved and unpaved roads to ensure compliance with Section III.G.1. The person(s) conducting this survey does not have to be EPA Method 9 certified. However, the observer must be trained and know how the visibility of emissions are affected by background contrast, ambient lighting, observer position relative to lighting, and wind. If a source or sources of excessive fugitive emissions are identified, CELP shall use water and/or chemical dust suppressant to minimize the fugitive emissions unless weather conditions would make this activity result in hazardous conditions. The person(s) conducting the survey shall record the results of the survey in a log.

Recordkeeping

- G3. CELP shall maintain a daily log recording the results of the visual surveys. The log shall include but is not limited to the date, time, observer(s), observer(s)'s location, the area being surveyed, and the results of the visual survey(s). If any preventative or corrective action is required, the time, date, and a description of the action taken must be included in the log. The log shall be available to the department for inspection and must be submitted to the department upon request.

Reporting

- G4. The annual compliance report required by Section V.B must contain a certification statement for the above applicable requirements. The semiannual compliance monitoring reports shall contain, but are not limited to, the following:

- a. verification that the visual surveys were performed and recorded on a daily basis,
- b. verification that a log of any preventative and corrective actions was maintained, and
- c. identify any instances of excessive fugitive emissions and provide a summary of any corrective action taken.

H. Emission Unit: Fugitive Emissions: Ash Disposal Area (EU 11)

Conditions	Pollutant/ Parameter	Permit Limit	Compliance Demonstration		Reporting Requirement
			Method	Frequency	
H1, H2, H4, H6, H7	Opacity	20%	Visual Survey	Daily	Semiannual
			Use of water spray	As Needed	Semiannual
H3, H5, H7	Disposal Site Inactivity	Mitigative Measures	Determined by the department	As Required	Annual

Conditions

- H1. CELP 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 (ARM 17.8.308).
- H2. CELP shall use water spray to control fugitive emissions of particulate matter from the ash disposal area. Ash at the disposal site shall not be handled in such a manner as to create emissions in excess of 20% opacity (ARM 17.8.715).
- H3. If a portion of the ash disposal area is inactive and the department determines it to be necessary, CELP shall provide mitigative measures, including, but not limited to, revegetation, to control wind-blown emissions from the area. The department shall determine the necessity of the control measures above on the basis of department observation, results of ambient air quality monitoring, complaints, or any combination of the above (ARM 17.8.715).

Compliance Demonstration

- H4. At least daily, during daylight hours, CELP shall visually survey the ash disposal area to ensure compliance with Section III.H.1. The person(s) conducting this survey does not have to be EPA Method 9 certified. However, the observer must be trained and know how the visibility of emissions are affected by background contrast, ambient lighting, observer

position relative to lighting, and wind. If a source or sources of excessive fugitive emissions are identified, CELP shall use water and/or chemical dust suppressant to minimize the fugitive emissions unless weather conditions would make this activity result in hazardous conditions. The person(s) conducting the survey shall record the results of the survey in a log.

- H5. CELP is not required to perform any monitoring to demonstrate compliance with Section III.H.3 at the time of permit issuance.

Recordkeeping

- H6. CELP shall maintain a daily log recording the results of the visual surveys. The log shall include but is not limited to the date, time, observer(s), observer(s)'s location, the area being surveyed, and the results of the visual survey(s). If any preventative or corrective action is required, the time, date, and a description of the action taken must be included in the log. The log shall be available to the department for inspection and must be submitted to the department upon request.

Reporting

- H7. The annual compliance report required by Section V.B must contain a certification statement for the above applicable requirements. The semiannual compliance monitoring reports shall contain, but are not limited to, the following:
 - a. verification that the visual surveys were performed and recorded on a daily basis,
 - b. verification that a log of any preventative and corrective actions was maintained, and
 - c. identify any instances of excessive fugitive emissions and provide a summary of any corrective action taken.

I. Emissions Unit: Fugitive Emissions: Vehicle Traffic (EU 12)

Permit Term(s)	Pollutant/Parameter	Permit Limit	Compliance Demonstration		Reporting Requirement
			Method	Frequency	
I1, I3, I5, I6	Opacity	20%	Visual Survey	Daily	Semiannual
I2, I4, I6	Airborne Particulate Matter	Reasonable Precautions	Water and/or chemical dust suppressants	As Needed	Semiannual

Conditions

- I1. CELP 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. Such emissions of airborne particulate matter from any stationary source shall not exhibit an opacity of 20% or greater averaged over 6 consecutive minutes (ARM 17.8.308).
- I2. CELP 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 (ARM 17.8.308).

Compliance Demonstration

13. At least daily, during daylight hours, CELP shall visually survey all paved and unpaved roads to ensure compliance with Section III.I.1. The person(s) conducting this survey does not have to be EPA Method 9 certified. At a minimum, however, the observer must be trained and know how the visibility of emissions are affected by background contrast, ambient lighting, observer position relative to lighting, and wind. If a source or sources of excessive fugitive emissions are identified, CELP shall use water and/or chemical dust suppressant to minimize the fugitive emissions unless weather conditions would make this activity result in hazardous conditions. The person(s) conducting the survey shall record the results of the survey in a log.
14. CELP shall treat all unpaved portions of the haul roads, access roads, parking lots, or the general plant area with water and/or chemical dust suppressant as necessary to maintain compliance with the reasonable precautions limitation.

Recordkeeping

15. CELP shall maintain a daily log recording the results of the visual surveys. The log shall include, but is not limited to, the date, time, observer(s), observer(s)'s location, the area being surveyed, and the results of the visual survey(s). If any preventative or corrective action is required, the time, date, and a description of the action taken must be included in the log. The log shall be maintained as a permanent business record for at least five years following the activity. The log shall be available to the department for inspection and must be submitted to the department upon request.

Reporting

16. The annual compliance report required by Section V.B must contain a certification statement for the above applicable requirements. The semiannual compliance monitoring reports shall contain, but are not limited to, the following:
 - a. verification that the visual surveys were performed and recorded on a daily basis,
 - b. verification that a log of any preventative and corrective actions was maintained, and
 - c. identify any instances of excessive fugitive emissions and provide a summary of any corrective action taken.

Section IV. Non-applicable Requirements

Administrative Rules of Montana (ARM) and the federal regulations identified as not applicable to the facility at the time of the permit issuance are listed below (ARM 17.8.1214). The following list does not preclude CELP from complying with any requirement that may become applicable during the permit term.

Rule Citation	Reason
40 CFR 60.18	The control devices specified by this rule are not applicable to this facility.
40 CFR 60 Subparts C, Ca, Cb, Cc, Cd, D, Db, Dc, E, F, G, H, I, J, K, Ka, Kb, L-X, Z, AA-EE, GG-HH, KK-NN, PP-XX, AAA-BBB, DDD, FFF-LLL, NNN, OOO, PPP-QQQ, RRR-WWW 40 CFR 61 Subparts B-F, H-L, N-R, T, V-W, Y, BB, FF 40 CFR 63 Subparts F-I, L, M, N, O, Q-U, W-Y, CC-EE, GG, II-RR, EEE, JJJ 40 CFR 68 40 CFR 82 Subparts A-E, G-H	These requirements are not applicable because the facility is not an affected source as defined in these regulations.
40 CFR 72 40 CFR 73 40 CFR 75 40 CFR 76 40 CFR 77 40 CFR 78	These requirements are not applicable because the facility is not an affected source as defined by the acid rain regulations.
ARM 17.8.316 ARM 17.8.320 ARM 17.8.321 ARM 17.8.323 ARM 17.8.324 ARM 17.8.326 ARM 17.8.331 ARM 17.8.332 ARM 17.8.333 ARM 17.8.334	These rules are not applicable because the facility is not listed in the source category cited in the rule.

Section V - General Permit Conditions

A. COMPLIANCE REQUIREMENTS

ARM 17.8 Subchapter 12 Operating Permit Program §1210 (2)(a)-(c)&(e), §1206(6)(c) and §1206(6)(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 an 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 75-2-105, 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)-(e)

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 compliance status as shown by monitoring or other information required by the permit or otherwise reasonably available to the source;
 - c. whether compliance was continuous or intermittent;
 - d. the method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with ARM 17.8.1212; and
 - e. 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, Region VIII, Office of Enforcement, Compliance and Environmental Justice, 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 that 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 sec. 7651g (a) of the FCAA;
 - d. the ability of the administrator to obtain information from a source pursuant to sec. 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; or
 - 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. Determinations of compliance, or noncompliance, are not restricted to the monitoring requirements listed in this permit; other available information may be used as allowed by Section 113(a) of the FCAA.
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 analyses; 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 five years from the date of the monitoring sample, measurement, report, or 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 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

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 the 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 the 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), 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 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 proposed 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. REOPENINGS 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 emissions 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(2)(i)&(l)

1. The administrative appeal or subsequent judicial review of the issuance by the department of an initial permit under this subchapter shall not impair in any manner the underlying applicability of all applicable requirements, and such requirements continue to apply to the source as if a final permit decision had not been reached by the department.
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)

Notwithstanding 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. ODORS

ARM 17.8 Subchapter 3 Emission Standards §315 (STATE ONLY)

The permittee shall comply with ARM 17.8.315.

W. MOTOR VEHICLES

ARM 17.8 Subchapter 3 Emission Standards §325

The permittee shall comply with ARM 17.8.325.

X. ANNUAL EMISSIONS INVENTORY

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 emissions 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.

Y. 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.

Z. 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. (STATE ENFORCEABLE ONLY until approved by EPA as part of the SIP)
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)

AA. 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).

BB. 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)

CC. 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.

DD. 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 practices 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.

EE. EMERGENCY EPISODE PLAN

The permittee shall comply with the requirements contained in Chapter 7, Chapter 8, and Chapter 16, Appendix B, of the State of Montana Air Quality Control Implementation Plan.

FF. 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 regulations.

APPENDICES

Appendix A - Rule Citations

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 that legislation, ARM 16.8.101 through 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 Standard for Ozone	16.8.817
17.8.214	Ambient Air Quality Standard for Hydrogen Sulfide	16.8.814
17.8.220	Ambient Air Quality Standard for Settled Particulate Matter	16.8.818
17.8.221	Ambient Air Quality Standard for Visibility	16.8.822
17.8.222	Ambient Air Quality Standard for Lead	16.8.815
17.8.223	Ambient Air Quality Standard for PM-10	16.8.821
17.8.230	Fluoride in Forage	16.8.813

Sub-Chapter 3 - Emission Standards

NEW CITATION**OLD CITATION**

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 for Visible Emissions	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 Assessment Appeal Procedures	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

NEW CITATION**OLD CITATION**

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
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17.8.614	Commercial Film Production Open Burning Permits	16.8.1310
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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
17.8.818	Review of Major Stationary Sources and Major Modifications--Source Applicability and Exemptions	16.8.953
17.8.819	Control Technology Review	16.8.954
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17.8.821	Air Quality Models	16.8.956
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17.8.824	Additional Impact Analyses	16.8.959
17.8.825	Sources Impacting Federal Class I Areas--Additional Requirements	16.8.960
17.8.826	Public Participation	16.8.961

NEW CITATION**OLD CITATION**

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
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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 and 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	Incorporations 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

NEW CITATION**OLD CITATION**

17.8.1213	Requirements for Air Quality Operating Permit Content Relating to Compliance	16.8.2011
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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
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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
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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
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Appendix B - Definitions and Abbreviations

Definitions:

"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; or
- (f) incorporates any other type of change which 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 units 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 ARM Title 17, Chapter 8, Subchapters 7, 8, 9, and 10, 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; or

(l) any federally enforceable term or condition of any air quality open burning permit issued by the department under ARM Title 17, Chapter 8, Subchapter 6.

"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 which 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 sec. 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:

(i) 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;

(ii) any term, condition or other requirement contained in any air quality preconstruction permit issued by the department under ARM Title 17, Chapter 8, Subchapters 7, 8, 9, and 10 that is not federally enforceable;

(iii) does not include any Montana ambient air quality standard contained in ARM Title 17, Chapter 8, Subchapter 2.

"Permittee" means the owner or operator of any source subject to the permitting requirements of ARM Title 17, Chapter 8, Subchapter 12, 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 ARM Title 17, Chapter 8, Subchapter 12.

"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; or
- (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 pursuant to sec. 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 pursuant to sec. 7412(e) of the FCAA; and
 - (ii) any pollutant for which the requirements of sec. 7412(g)(2) of the FCAA have been met, but only with respect to the individual source subject to the 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); or
 - (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 ARM Title 17, Chapter 8, Subchapter 12.

Abbreviations:

ARM	Administrative Rules of Montana
BACT	Best Available Control Technology
Btu	British Thermal Unit
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CO	carbon monoxide
COM	Continuous Opacity Monitoring System
DEQ	Montana Department of Environmental Quality
dscf	dry standard cubic feet
dscfm	dry standard cubic foot per minute
EPA	U.S. Environmental Protection Agency
EU	emissions unit
FCAA	Federal Clean Air Act
g	grams
gr	grains
HAP	hazardous air pollutant
lbs	pounds
MMBtu million	British thermal units
NO ₂	nitrogen dioxide
NO _x	oxides of nitrogen
O ₂	oxygen
Pb	lead
PM	particulate matter
PM-10	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
SO _x	oxides of sulfur
TPY	tons per year
U.S.C.	United States Code
VE	visible emissions
VOC	volatile organic compound

Appendix C - Notification Addresses

Compliance Notifications:

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

United States EPA
Air Program Coordinator
Region VIII, Montana Office
301 South Park, Drawer 10096
Helena, MT 95626-0096

Permit Modifications:

Montana Department of Environmental Quality
Permitting and Compliance Division
Air and 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, Colorado 80202-2466

Appendix D - Air Quality Inspector Information

Disclaimer: The information in this appendix is not State or federally enforceable. The safety information listed below was contained in a document titled *Plant Operating Procedures: Basis Safety Rules* dated September 4, 1991 that was provided by CELP on September 25, 1996. Only safety information determined by the department to be pertinent to State and/or federal air quality inspectors is contained in this appendix.

1. Smoking is prohibited except in designated areas.
2. Aisles and walkways shall be kept clear at all times.
3. Climbing through machinery and equipment as a short-cut is prohibited.
4. "Horseplay" shall not be tolerated in the plant.
5. Long sleeve shirts shall be worn plant-wide except for the main office and parking lot.
6. Loose or torn clothing, long hair, rings, or pendant jewelry shall not be worn around moving machinery.
7. Thin-soled, badly worn, open-toed, or tennis shoes shall not be worn in the plant. Sturdy leather or safety boots are recommended.
8. Safety glasses and hard hats are required except in office spaces, the control room, inside vehicles, shop buildings, and to and from the parking lot area.
9. Appropriate eye and ear protection shall be worn as required.
10. Respirators and dust masks shall be worn as required.
11. Doors and barriers protecting live electrical equipment and switches shall not be opened except by authorized personnel and shall not be left open without proper safety barriers.
12. Climbing on boxes, equipment, or structures not designated as a work area or means of access is prohibited.
13. Safety belts or other adequate protection as required shall be used for work in elevated positions.
14. Bins, empty tanks, or sealed spaces shall not be entered without adequate air supply, ventilation, and proper training in Confined Space Entry.
15. A speed limit of 15 MPH is in force on the plant property at all times except in congested areas where the limit is reduced to 10 MPH.

Appendix E - Continuous Emission Monitoring Systems (CEMS)

The following monitors shall be installed and operated on the boiler stack outlet: SO₂, NO_x, opacity, CO, and O₂ or CO₂. Said monitors shall comply with the applicable provisions of 40 CFR 60, Subpart Da 60.47a; Subpart A, 60.7; Appendix B, Specifications 1, 2, 3 and 4; and Appendix F. The monitors shall also conform to, but not be limited to, the following:

1. Continuous Opacity Monitoring System (COMS)

- a. CELP shall install, calibrate, maintain, and operate continuous opacity monitoring systems (COMS) to monitor and record the opacity of the gases discharged into the atmosphere from the boiler.
 - (1) The span of these systems shall be set at 100 percent opacity.
 - (2) The COMS shall conform to all requirements of 40 CFR Part 60, Appendix B, Performance Specification 1 - Specifications and Test Procedures for Opacity Continuous Emission Monitoring Systems in Stationary Sources (PS1).
 - (3) The COMS data will be used to demonstrate compliance with the 20% opacity limitation in Section III.E.1. CELP shall maintain compliance with the 20% opacity limitation, as demonstrated by the COMS.
- b. CELP shall submit a written report of all excess opacity emissions quarterly. Periods of excess emissions shall be defined as those averaged over a six-minute period for which the average is greater than twenty (20) percent opacity. The report shall be in the format contained in Attachment 1 and include, as a minimum, the following:
 - (1) The magnitude of excess emissions and the date and time of commencement and completion of each time period of excess emissions.
 - (2) 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.
 - (3) The date and time identifying each period during which the COMS was inoperative except for zero and span checks. The nature of the system repairs or adjustments must also be reported.

- (4) 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.
- (5) The percentage of time the COMS was operating shall be calculated as follows:

$$x \quad 100 \quad \left(1 - \frac{\text{hours of COMS downtime during reporting period}^*}{\text{hours the source operated during reporting period}} \right)$$

* All time required for calibration and to perform preventative maintenance must be included in COMS downtime.

This shall be reported as percent monitor availability during plant operation. CELP shall maintain a minimum of 95% monitor availability during plant operation on a quarterly basis.

Nothing in this section shall preclude enforcement action for data availability that is less than 100 percent but equal to or greater than 95 percent if the conditions in Appendix E Section 5 are not satisfied.

- (6) The percentage of time the COMS indicated compliance. This shall be calculated as:

$$) \quad x \quad 100 \quad \left(1 - \frac{\text{total hours of excess emissions during reporting period}}{\text{total hours of COMS availability during reporting period}} \right)$$

This shall be reported as percent compliance. CELP shall maintain compliance with the 20% limitation, as demonstrated by the COMS in accordance with Section III.E.1.

- (7) The excess emission reports shall be submitted within 30 days following the end of the reporting period (January-March, April-June, July-September, and October-December).

- c. CELP shall inspect and audit the COMS quarterly, using neutral density filters. CELP shall conduct these audits using the appropriate procedures and forms in the EPA Technical Assistance Document: Performance Audit Procedures for Opacity Monitors (EPA-600/8-87-025, April 1987). The results of these inspections and audits shall be included in the quarterly excess emission report.
- d. CELP shall maintain a file of all measurements from the

COMS performance testing measurements; all COMS performance evaluations; all COMS or monitoring device calibration checks and audits; adjustments and maintenance performed on these systems or devices recorded in a permanent form suitable for inspection. The file shall be retained on site for at least five years following the date of such measurements and reports. CELP shall supply these records to the department upon request.

2. Continuous Emission Monitoring System (CEMS) - SO₂

- a. CELP shall install, calibrate, maintain, and operate continuous emissions monitoring systems (CEMS) to monitor and record the sulfur dioxide (SO₂) concentrations of the gases discharged into the atmosphere from the boiler.
 - (1) The span of this system shall be set as required in 40 CFR 60.47a.
 - (2) The CEMS shall conform to all requirements of 40 CFR Part 60 Subpart Da - Standards of Performance for Electric Utility Steam Generation Units; Appendix B, Performance Specification 2 - Specifications and Test Procedures for SO₂ and NO_x Continuous Emission Monitoring Systems in Stationary Sources (PS2); and Appendix F, Quality Assurance Procedures.
 - (3) The CEMS data will be used to demonstrate compliance with the limitations contained in Section III.E.2 and III.E.4 CELP shall maintain compliance with the limitations, as demonstrated by the CEMS.
- b. CELP shall submit a written report of all excess emissions quarterly. Periods of excess emissions shall be defined as those emissions calculated on an hourly, 3-hour, calendar day, annual and rolling 30-day basis which are greater than the limitations. The report shall be in the format contained in Attachment 1 and including, as a minimum, the following:
 - (1) The magnitude of excess emissions and the date and time of commencement and completion of each time period of excess emissions.
 - (2) 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.

- (3) The date and time identifying each period during which the CEMS was inoperative except for zero and span checks. The nature of the system repairs or adjustments must also be reported.
- (4) 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.
- (5) The percentage of time the CEMS was operating. This shall be calculated as

$$\left(1 - \frac{\text{hours of CEMS downtime during reporting period}^*}{\text{hours the source operated during reporting period}} \right) \times 100$$

* All time required for calibration and to perform preventative maintenance must be included in CEMS downtime.

This shall be reported as percent monitor availability during plant operation. CELP shall maintain a minimum of 95% monitor availability during plant operation on a quarterly basis.

Nothing in this section shall preclude enforcement action for data availability that is less than 100 percent, but equal to or greater than 95 percent if the conditions in Appendix E Section 5 are not satisfied.

- (6) The percentage of time the CEMS indicated compliance. This shall be calculated as:

$$\left(1 - \frac{\text{total hours of excess emissions during reporting period}}{\text{total hours of CEMS availability during reporting period}} \right) \times 100$$

This shall be reported as percent compliance. CELP shall maintain compliance with the limitations, as demonstrated by the CEMS.

- (7) The excess emission reports shall be submitted within 30 days following the end of the reporting period (January-March, April-June, July-September, and October-December).

- c. CELP shall inspect and audit the CEMS quarterly to meet the requirement contain in 40 CFR Part 60 Appendix F. CELP shall conduct these audits using the appropriate procedures. The results of these inspections and audits shall be included in the quarterly excess emission report.
- d. CELP shall maintain a file of all measurements from the CEMS and performance testing measurements; all CEMS performance evaluations; all CEMS or monitoring device calibration checks and audits; adjustments and maintenance performed on these systems or devices recorded in a permanent form suitable for inspection. The file shall be retained on site for at least five years following the date of such measurements and reports. CELP shall supply these records to the department upon request.

3. Continuous Emission Monitoring System (CEMS) - NO_x

- a. CELP shall install, calibrate, maintain, and operate continuous emissions monitoring systems (CEMS) to monitor and record the nitrogen oxide (NO_x) concentrations of the gases discharged into the atmosphere from the boiler.
 - (1) The span of this system shall be set at 1,000 ppm.
 - (2) The CEMS shall conform to all requirements of 40 CFR Part 60, Appendix B, Performance Specification 2 - Specifications and Test Procedures for SO₂ and NO_x Continuous Emission Monitoring Systems in Stationary Sources (PS2) and Appendix F, Quality Assurance Procedures.
 - (3) The CEMS data will be used to demonstrate compliance with the limitations contained in Section III.E.2. CELP shall maintain compliance with the limitations, as demonstrated by the CEMS.
- b. CELP shall submit a written report of all excess emissions quarterly. Periods of excess emissions shall be defined as those emissions calculated on an hourly, calendar day, and annual basis which are greater than the limitations. The report shall be in the format contained in Attachment 1 and including, as a minimum, the following:
 - (1) The magnitude of excess emissions and the date and time of commencement and completion of each time period of excess emissions.

- (2) 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.
- (3) The date and time identifying each period during which the CEMS was inoperative except for zero and span checks. The nature of the system repairs or adjustments must also be reported.
- (4) 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.
- (5) The percentage of time the CEMS was operating. This shall be calculated as

x 100

$$\left(1 - \frac{\text{hours of CEMS downtime during reporting period}^*}{\text{hours the source operated during reporting period}} \right)$$

* All time required for calibration and to perform preventative maintenance must be included in CEMS downtime.

This shall be reported as percent monitor availability during plant operation. CELP shall maintain a minimum of 95% monitor availability during plant operation on a quarterly basis.

Nothing in this section shall preclude enforcement action for data availability that is less than 100 percent but equal to or greater than 95 percent if the conditions in Appendix E Section 5 are not satisfied.

- (6) The percentage of time the CEMS indicated compliance. This shall be calculated as:

_) x 100
period

$$\left(1 - \frac{\text{total hours of excess emissions during reporting period}}{\text{total hours of CEMS availability during reporting period}} \right)$$

This shall be reported as percent compliance. CELP shall maintain compliance with the limitations, as demonstrated by the CEMS.

- (7) The excess emission reports shall be submitted within 30 days following the end of the reporting period (January-March, April-June, July-September, and October-December).
 - c. CELP shall inspect and audit the CEMS quarterly using Certified Gas Audits or Relative Accuracy Audits (RAA). CELP shall conduct these audits using the appropriate procedures. The results of these inspections and audits shall be included in the quarterly excess emission report.
 - d. CELP shall maintain a file of all measurements from the CEMS and performance testing measurements; all CEMS performance evaluations; all CEMS or monitoring device calibration checks and audits; adjustments and maintenance performed on these systems or devices recorded in a permanent form suitable for inspection. The file shall be retained on site for at least five years following the date of such measurements and reports. CELP shall supply these records to the department upon request.
- 4. Continuous Emission Monitoring System (CEMS) - CO and O₂ or CO₂
 - a. CELP shall install, calibrate, maintain, and operate continuous emissions monitoring systems (CEMS) to monitor and record CO and O₂ or CO₂ of the gases discharged into the atmosphere from the boiler.
 - (1) The CEMS shall conform to all requirements of 40 CFR Part 60 Subpart Da - Standards of Performance for Electric Utility Steam Generation Units; Appendix B, Performance Specification 3 - Specifications and Test Procedures for O₂ and CO₂ Continuous Emission Monitoring Systems in Stationary Sources (PS3) and Performance Specification 4 - Specifications and Test Procedures for CO Continuous Emission Monitoring Systems in Stationary Sources (PS4); and Appendix F, Quality Assurance Procedures.
 - (2) The CEMS shall conform to all requirements of 40 CFR 60.47a.
- 5. In addition to complying with the minimum quarterly data recovery rates specified in Appendix E, CELP shall undertake its best efforts to strive for and achieve the highest average

quarterly data recovery rate which is practical. The determination of what is practical and, therefore, acceptable data loss shall be made consistent with Appendix E Section 6.

6. In regards to quarterly data recovery rate requirements specified in Appendix E, the determination of what is practical and, therefore, acceptable data loss shall consider whether:
 - a. CELP has properly operated and maintained the continuous emission monitors and associated data acquisition systems, including the performance of preventative maintenance, the maintenance of the spare parts inventory and the conduct of the quality assurance requirements.
 - b. CELP has taken immediate and appropriate action to correct a malfunction in the continuous emission monitors and associated data acquisitions systems.

ATTACHMENT 1
INSTRUCTIONS FOR COMPLETING EXCESS EMISSIONS
AND MONITORING SYSTEMS REPORTS (EER)

PART 1 Complete as shown.

PART 2 Complete as shown. Report total time the point source operated during the reporting period in hours. The determination of point source operating time includes time during unit startup, shutdown, malfunctions, or whenever pollutants (of any magnitude) are generated, regardless of unit condition or operating load.

Percent of time CEMS was available during point source operation is to be determined as:

$$\left(1 - \frac{\text{(CEMS downtime in hours during reporting period*)}}{\text{(total hours of point source operation during reporting period)}} \right) \times 100$$

* All time required for calibration and to perform preventative maintenance must be included in CEMS downtime.

Excess emissions include all time periods when emissions as measured by the CEMS exceed any applicable emission standard for any applicable time period.

Percent of time in compliance is to be determined as:

$$\frac{\text{(total hours of excess emissions during reporting period)}}{\text{(total hours of CEMS availability during reporting period)}} \times 100$$

PART 3 Complete a separate sheet for each pollutant control device associated with a CEMS. Be specific when identifying control equipment operating parameters. For example: primary and secondary amps and spark rate for ESPs; pressure drop and effluent temperature for baghouses; and liquid flow rate and pH levels for scrubbers. For the initial EER, include a diagram or schematic for each piece of control equipment.

Table I Use Table I as a guideline to report all excess emissions. Complete a separate sheet for each CEMS. Sequential numbering of each excess emission is recommended. For each excess emission, indicate: 1) time, duration and magnitude, 2) nature and cause, and 3) the action taken to correct the condition of excess emissions. Do not use computer reason codes for corrective actions or nature and cause, rather, be specific in the explanation. If no excess emissions occur during the reporting period, it must be stated so.

Table II Use Table II as a guideline to report all CEMS upsets or

malfunctions. Complete a separate sheet for each CEMS. List the time, duration, nature and extent of problems, as well as the action taken to return the CEMS to proper operation. Do not use reason codes for nature, extent or corrective actions. Include normal calibrations and maintenance as prescribed by the CEMS manufacturer. Do not include zero and span checks.

Table III Complete a separate sheet for each pollutant control device associated with a CEMS. Use Table III as a guideline to report operating status of control equipment during the excess emission. Follow the number sequence as recommended for excess emissions reporting. Report operating parameters consistent with Part 3, Subpart F.

EXCESS EMISSIONS AND MONITORING SYSTEMS REPORT

PART 1

a. Emission Reporting Period -

b. Report Date

c. Person Completing Report

d. Plant Name

e. Plant Location

f. Person Responsible for Review
and Integrity of Report

—

g. Mailing Address for 1.f.

Street Address or P.O. Box

City

Zip Code

State

h. Phone Number of 1.f.

—

i. Certification for Report Integrity, by person in 1.f.

THIS IS TO CERTIFY THAT THE INFORMATION PROVIDED IN
THIS REPORT IS
COMPLETE AND ACCURATE.

SIGNATURE

NAME
TITLE
DATE
j. Comments

PART 2 - CEMS Information: Complete for each CEMS.

a. Point Source

b. CEMS Type (circle one)

	Opacity	SO ₂	NO _x	O ₂	CO
CO ₂	TR5				

c. Manufacturer

d. Model No. _____ e. Serial No.

f. Automatic Calibration Value: Zero _____ Span

g. Date of Last CEMS Performance Test

h. Total Time Point Source Operated During Reporting Period

i. Percent of Time CEMS Was Available During Point Source Operation: _____

Show calculations

j. Allowable Emission Rate

k. Percent of Time in Compliance

Show calculations

l. CEMS Repairs or Replaced Components Which Affected or

PART 3 - Pollution Control Equipment Operating Parameter Monitor. (Complete one sheet for each pollutant control device associated with a CEMS.)

a. Point source

b. Pollutant (circle one):

Opacity Particulate SO₂ NO_x
TRs

c. Type of Control Equipment

d. Control Equipment Description and Identification (Model # and Serial #)

e. Control Equipment Operating Parameters (i.e., pressure drop [ΔP], effluent temperature, scrubber water flow rate and pH levels, primary and secondary amps, spark rate)

f. Date of Control Equipment Performance Test

g. Control Equipment Operating Parameter During Performance Test _____

h. Type and Amount of Material Produced or Processed During the Reporting Period

i. Type and Amount of Fuel Used During the Reporting Period

TABLE I
EXCESS EMISSIONS²

²This should include the following:

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)

<u>Date</u>	<u>From</u>	<u>Time</u> <u>To</u>	<u>Duration</u>	<u>Cause</u>	<u>Explanation/</u>
	<u>Magnitude</u>		<u>Corrective Action</u>		

Total Source Operating Time

TABLE II
CONTINUOUS MONITORING SYSTEM OPERATION FAILURES³

³This shall include the following:

1. CMS downtime in reporting period due to:
 - a. Monitor equipment malfunctions.
 - b. Non-Monitor equipment malfunctions.
 - c. Quality assurance calibrations.
 - d. Other known causes.
 - e. Unknown causes.
2. Total CMS Downtime.
3.
$$\frac{\text{Total CMS downtime} \times 100}{\text{Total source operating time}}$$

<u>Date</u>	<u>From</u>	<u>To</u>	<u>Duration</u>	<u>Time Problem/ Cause</u>
<u>Corrective Action</u>				

TABLE III
 CONTROL EQUIPMENT OPERATION DURING EXCESS EMISSIONS

<u>Date</u>	Time	Operating	Duration	<u>Parameters</u>
	From _____ To _____			
	<u>Corrective Action</u>			

Appendix F - Ambient Air Monitoring Plan

1. This ambient air monitoring plan is required by air quality permit #2035-03 which applies to CELP's coal-fired power generation facility located approximately 7 miles north of Colstrip, Montana. This monitoring plan may be modified by the department. All requirements of this plan are considered conditions of the permit.

2. CELP shall relocate their existing air monitoring station from its current site to a new location. The new location shall meet the following criteria 1) be north of the CFB boiler stack, 2) be east to northeast of the ash disposal area, 3) be west of Highway 39, and 4) take into consideration the potential location of any future ash disposal area. The exact location of the monitoring station must be approved by the department and meet all the siting requirements contained in the Montana Quality Assurance Project Plan including revisions, the EPA Quality Assurance Manual including revisions, and Parts 50, 53 and 58 of Title 40 of the Code of Federal Regulations, or any other requirements specified by the department.

3. CELP shall begin air monitoring at the new location within 90 days after the department has approved a location. CELP shall continue monitoring for at least two calendar years at the new location. The air monitoring data will be reviewed by the department and the department will determine if continued monitoring or additional monitoring is warranted. The department may require continued air monitoring to track long-term impacts of emissions from the facility or require additional ambient air monitoring or analyses if any changes take place in regard to quality and/or quantity of emissions or the area of impact from the emissions.

4. CELP shall monitor the following parameters at the new site as described below:

AIRS # and Site Name	UTM Coordinates	Parameter	Frequency
30-087-07XX New Site	Zone 13 N5092XXX E 371XXX*	PM-10 ¹ PM-10 Collocated ²	Every sixth day Every sixth day
¹ PM-10 = particulate matter less than 10 microns. ² The requirement for a collocated PM-10 sampler may be waived if the monitor operator operates a collocated PM-10 sampler at another site. * The site will be located north of the power plant and east (downwind) of the ash disposal area; the exact location of the monitoring station must be approved by the department.			

Trace metal analyses of sample filters will not be required at this time; however, the department may require these analyses in the future.

5. Data recovery for all parameters shall be at least 80 percent computed on a quarterly and annual basis.

6. Any ambient air monitoring changes proposed by CELP must be approved, in writing, by the department.

7. CELP shall utilize air monitoring and quality assurance procedures which are equal to or exceed the requirements described in the Montana Quality Assurance Project Plan including revisions, the EPA Quality Assurance Manual including revisions, Parts 50, 53 and 58 of Title 40 of the Code of Federal Regulations, and any other requirements specified by the department.
8. CELP shall submit quarterly data reports within 45 days after the end of the calendar quarter and an annual data report within 90 days after the end of the calendar year. The annual report may be substituted for the fourth quarter report if all information in item 9 is included in the report.
9. The quarterly report shall consist of a narrative data summary and a data submittal of all data points in AIRS format. This data may be submitted in ASCII files on 3½" or 5¼" high or low density floppy disks, in IBM-compatible format, or on AIRS data entry forms. The narrative data summary shall include:
 - a. A topographic map of appropriate scale with UTM coordinates and a true north arrow showing the air monitoring site location in relation to the power plant and the general area;
 - b. A hard copy of the individual data points;
 - c. The quarterly and monthly means for PM-10;
 - d. The first and second highest 24-hour concentrations for PM-10;
 - e. A summary of the data collection efficiency;
 - f. A summary of the reasons for missing data;
 - g. A precision and accuracy (audit) summary;
 - h. A summary of any ambient air standard or PSD increment exceedances; and
 - i. Calibration information.
10. The annual data report shall consist of a narrative data summary containing:
 - a. A topographic map of appropriate scale with UTM coordinates and a true north arrow showing the air monitoring site location in relation to the power plant and the general area;
 - b. A pollution trend analysis;
 - c. The annual mean for PM-10;
 - d. The first and second highest 24-hour concentrations for PM-10;
 - e. An annual summary of data collection efficiency;
 - f. An annual summary of precision and accuracy (audit) data;

- g. An annual summary of any ambient air standard or PSD increment exceedances; and
 - h. Recommendations for future monitoring.
11. The department may audit, or may require CELP to contract with an independent firm to audit the air monitoring network, the laboratory performing associated analyses, and any data handling procedures at unspecified times. On the basis of the audits and subsequent reports, the department may recommend or require changes in the air monitoring network and associated activities in order to improve precision, accuracy and data completeness.

Appendix G - Insignificant Sources

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.

Insignificant Emission Unit
EU 13 Fugitive Emissions: Diesel Fuel Combustion
EU 14 Diesel Fuel Oil Storage Tanks
EU 15 Diesel-fired Emergency Boiler Feed Pump
EU 16 Diesel-fired Water Supply Pump
EU 17 Propane-fired Portable Heaters
EU 18 Gasoline-fired Portable Welder

The Administrative Rules of Montana (ARM) 17.8.1201(22)(a) defines an insignificant emissions unit as one that emits less than 5 tons per year of any regulated pollutant, has the potential to emit less than 500 pounds per year of lead or any hazardous air pollutant, and is not regulated by an applicable requirement other than generally applicable requirements.