July 21, 2022

Mr. Josh Regan
Plant Manager
Barretts Minerals, Inc.
Dillon Talc Processing Facility
8625 Montana Highway 91 South
Dillon, MT 59725

Sent via email: joshua.regan@mineralstech.com

RE: Final Title V Operating Permit #OP1995-09

Dear Mr. Watkins:

DEQ prepared this Final Operating Permit #OP1995-09, for Barretts Minerals, Inc, located in Beaverhead County, Montana.

This permit must be kept at the facility or a DEQ-approved location.

If you have any questions, contact Troy Burrows, the permit writer, at (406) 444-1452 or by email at troy.burrows@mt.gov.

Sincerely,

Bo Wilkins
Air Quality Bureau Chief
For:
Julie A. Merkel
Permitting Services Section Supervisor
Air Quality Bureau
(406) 444-3626

Troy Burrows
Air Quality Scientist
Air Quality Bureau
(406) 444-1452

ec: Branch Chief, Air Permitting and Monitoring Branch, US EPA Region VIII 8ARD-PM
Carson Coate, US EPA Region VIII, Montana Office
Brad Watkins, brad.watkins@mineralstech.com
Stephen Coe, scoe@waterenvtech.com
Karen Wilson, kawilson@mt.gov

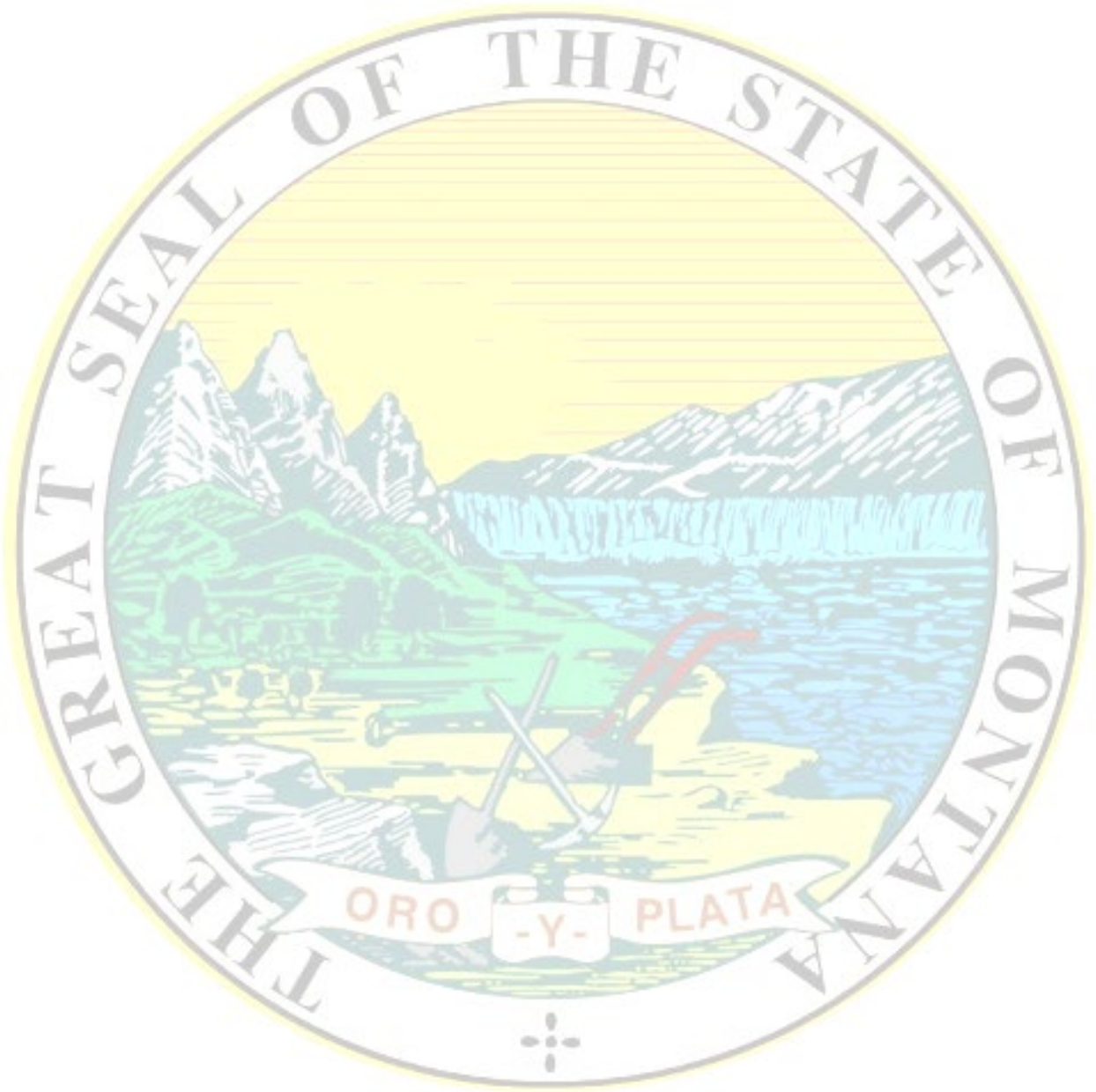
Montana Department of Environmental Quality
Air, Energy & Mining Division
Air Quality Bureau

AIR QUALITY OPERATING PERMIT #OP1995-09

Issued to: **Barretts Minerals, Inc.**
Dillon Talc Processing Facility
8625 Montana Highway 91 South
Dillon, MT 59725

Final/Effective Date:	**07/21/2022**
Expiration Date:	**07/21/2027**
Complete Renewal Application Due:	**01/21/2027**
Draft Issue Date:	03/25/2022
Proposed Issue Date:	04/28/2022
End of EPA 45-day Review:	06/13/2022
Date of Decision:	06/20/2022
Renewal Application Received:	11/22/2021
Application Deemed Substantively Complete:	11/23/2021
Application Deemed Administratively Complete:	11/23/2021
AFS Number: 030-001-0002A	

Permit Issuance and Appeal Processes: DEQ issues this permit as effective and final on 7/21/2022. This permit must be kept at the facility or a DEQ-approved location (Montana Code Annotated (MCA) Sections 75-2-217 and 218, Administrative Rules of Montana (ARM), ARM Title 17, Chapter 8, Subchapter 12, Operating Permit Program).


THE GREAT SEAL OF THE STATE OF MONTANA
ORO -Y- PLATA

Montana Air Quality Operating Permit
Department of Environmental Quality

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

SECTION I. GENERAL INFORMATION

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

Company Name: **Barretts Minerals, Inc.**

Mailing Address: **8625 MT HWY 91 South**

City: **Dillon** State: **Montana** Zip: **59725**

Plant Name: **Barretts Minerals, Inc., Dillon Talc Processing Facility**

Plant Location: **East ½ of Section 17, Township 8 South, Range 9 West, in Beaverhead County, Montana**

Responsible Official: **Josh Regan, Plant Manager, EHS Manager**

Alt. Responsible Official: **Brad Watkins, Environmental Health and Safety Manager**

Facility Contact Person: **Josh Regan, Plant Manager**

Primary NAICS: **212399**

Nature of Business: **All Other Nonmetallic Mineral Mining**

Description of Process: Barretts Minerals operates a talc and chlorite production and processing facility located south of Dillon, Montana. Once the source receives the ore, the ore is crushed, washed, and stockpiled. The material is then transferred into the facility where it is milled to obtain different size distributions for different products. A portion of the product is coated to customer specifications. Approximately 80% of the product is bagged and the remaining is shipped in bulk. The mill ships approximately 65% of the product by truck and 35% by railcar.

SECTION II. SUMMARY OF EMISSION UNITS

The emission units regulated by this permit are the following (ARM 17.8.1211):

Emission Unit ID	Description	Pollution Control Device/Practice
EU 001	Boiler	None
EU 002	#1 Roller Mill	Baghouse
EU 003	#2 Roller Mill	Baghouse
EU 004	#3 Roller Mill	Baghouse
EU 005	#1 Roller Mill-Nuisance	Baghouse
EU 006	#2 Roller Mill-Nuisance	Baghouse
EU 007	#1 ACM Feed Bin	Baghouse
EU 008	#5 Jet Mill Crude Bin	Baghouse
EU 009	#2 Jet Mill Crude Bin	Baghouse
EU 010	Beneficiation Crude Silos, Bucket Elevator, and Nuisance	Baghouse
EU 012	Pellet Nuisance-East	Baghouse
EU 013	Pellet Nuisance-West	Baghouse
EU 014	#3 Jet Stream Classifier	Baghouse
EU 015	Talc Compaction System	Baghouse
EU 016	#4 Jet Stream Classifier Feed Bin	Baghouse
EU 017	Bulk Loadout – Spout #1 Bulk Loadout – Spout #2 Bulk Loadout – Spout #3	Baghouse
EU 018	#3 Roller Mill Crude Bins	Baghouse
EU 020	Packout Packers, East and West	Baghouse
EU 022	Pump Stations	Baghouse
EU 024	Silo #1	Baghouse
EU 025	Silo #2	Baghouse
EU 026	Silo #3	Baghouse
EU 027	Silo #4	Baghouse
EU 028	Silo #5	Baghouse
EU 029	Silo #6	Baghouse
EU 030	Silo #7	Baghouse
EU 031	Silo #8	Baghouse
EU 034	#2 Jet Mill Crude Bins	Baghouse
EU 035	#2 Jet Mill	Baghouse
EU 036	#3 Jet Mill	Baghouse
EU 037	#4 Jet Mill	Baghouse
EU 039	#3 and #4 Hammermills	Baghouse
EU 041	Packout Reclaim	Baghouse
EU 042	#1 and #2 Jet Stream Classifiers	Baghouse
EU 043	#1 and #2 Hammermill	Baghouse
EU 044	Centralized Reclaim	Baghouse
EU 045	Dry Mill Input (Cone Crusher)	Baghouse
EU 047	Calciner	None
EU 048	Beneficiation Dryer	Baghouse
EU 050	Jet Mill Reclaim System	Baghouse
EU 052	Silo #9	Baghouse
EU 053	Silo #10	Baghouse
EU 054	#1 Air Classifier Mill (ACM)	Baghouse
EU 055	East Coated Talc Feed Bin Silo #11	Baghouse

EU 056	West Coated Talc Feed Bin – Silo #12	Baghouse
EU 057	Semi Bulk #7	Baghouse
EU 058	Coated Talc Semi-bulk Packer Bin	Baghouse
EU 059	Pelletizer Dryer System	Baghouse
EU 060	Pellet Loadout Conveyor	Baghouse
EU 061	Pelletizer South Feed Bin	Baghouse
EU 062	Pelletizer North Feed Bin	Baghouse
EU 063	#1 Semi-bulk Feed Bin	Baghouse
EU 064	#2 Semi-bulk Feed Bin	Baghouse
EU 065	K-tron Feed Bin	Baghouse
EU 066	Coated Talc Recycle Bin	Baghouse
EU 067	Wash Plant Jaw Crusher (backup)	Best Operating Practices
EU 068	Bulk Crude Conveyor	Best Operating Practices
EU 069	Ore Stockpile	Best Operating Practices
EU 070	Rejects Stockpile	Best Operating Practices
EU 071	Fines Stockpile	Best Operating Practices
EU 072	Auxiliary Equipment	Water/Chemical Dust Suppressant
EU 073	Haul and Access Roads	Water/Chemical Dust Suppressant
EU 074	Disturbed Acres	Water/Chemical Dust Suppressant
EU 075	Tailings Handling	Best Operating Practices
EU 076	Conveyor Transfer Points	Best Operating Practices
EU 077	West Coated Talc Product Bin	Baghouse
EU 078	East Coated Talc Product Bin	Baghouse
EU 079	#2 ACM Crude Bin	Baghouse
EU 080	Beneficiation Product Silos	Baghouse
EU 082	Roller Mill Rejects (Throwouts) Silo	Baghouse
EU 083	CPS Vacuum Packer	Baghouse
EU 084	CPS Silo	Baghouse
EU 085	Silo #15	Baghouse
EU 086	Centralized Vacuum System	Baghouse
EU 087	Silo #16	Baghouse
EU 088	#2 ACM	Baghouse
EU 089	ACM Throwouts	Baghouse
EU 090	Sterilizer System Natural Gas Heater	None
EU 091	Sterilizer System Feed Bin	Baghouse
EU 092	#5 Jet Mill	Baghouse
EU 093	Silo #17	Baghouse
EU 094	#3 ACM	Baghouse
EU 095	#3 ACM Wet Crude Bin	Baghouse
EU 096	#3 ACM Dry Crude Bin	Baghouse
EU 097	Wash Plant Jaw Crusher #2	None
EU 098	Wash Plant Cone Crusher	Baghouse
EU 099	Optical Sorting Wash Plant (specifically, Wash Plant Dry Screen, Optical Sorter #1, Optical Sorter #2 within plant)	Baghouse

SECTION III. PERMIT CONDITIONS

The following requirements and conditions are applicable to the facility or to specific emission units located at the facility (ARM 17.8.1211, 1212, and 1213).

A. Facility-Wide

Conditions	Rule Citation	Rule Description	Pollutant/Parameter	Limit
A.1	ARM 17.8.105	Testing Requirements	Testing Requirements	-------
A.2	ARM 17.8.304(1)	Visible Air Contaminants	Opacity	40%
A.3	ARM 17.8.304(2)	Visible Air Contaminants	Opacity	20%
A.4	ARM 17.8.308(1)	Particulate Matter, Airborne	Fugitive Opacity	20%
A.5	ARM 17.8.308(2)	Particulate Matter, Airborne	Reasonable Precautions	-------
A.6	ARM 17.8.308	Particulate Matter, Airborne	Reasonable Precaution, Construction	20%
A.7	ARM 17.8.309	Particulate Matter, Fuel Burning Equipment	Particulate Matter	$E = 0.882 * H^{-0.1664}$ or $E = 1.026 * H^{-0.233}$
A.8	ARM 17.8.310	Particulate Matter, Industrial Processes	Particulate Matter	$E= 4.10 * P^{0.67}$ or $E = 55 * P^{0.11} - 40$
A.9	ARM 17.8.322(4)	Sulfur Oxide Emissions, Sulfur in Fuel	Sulfur in Fuel (liquid or solid fuels)	1 lb/MMBtu fired
A.10	ARM 17.8.322(5)	Sulfur Oxide Emissions, Sulfur in Fuel	Sulfur in Fuel (gaseous)	50 gr/100 ft^3
A.11	ARM 17.8.324(3)	Hydrocarbon Emissions, Petroleum Products	Gasoline Storage Tanks	-------
A.12	ARM 17.8.324	Hydrocarbon Emissions, Petroleum Products	65,000 Gallon Capacity	-------
A.13	ARM 17.8.324	Hydrocarbon Emissions, Petroleum Products	Oil-effluent Water Separator	-------
A.14	ARM 17.8.342	NESHAPs General Provisions	SSM Plans	Submittal
A.15	ARM 17.8.1211(1)(c) and 40 CFR Part 98	Greenhouse Gas Reporting	Reporting	-------
A.16	ARM 17.8.1212	Reporting Requirements	Prompt Deviation Reporting	-------
A.17	ARM 17.8.1212	Reporting Requirements	Compliance Monitoring	-------
A.18	ARM 17.8.1207	Reporting Requirements	Annual Certification	-------

Conditions

A.1. Pursuant to ARM 17.8.105, any person or persons responsible for the emission of any air contaminant into the outdoor atmosphere shall, upon written request of the Department, provide the facilities and necessary equipment (including instruments and sensing devices) and shall conduct tests, emission or ambient, for such periods of time as may be necessary using methods approved by the Department.

Compliance demonstration frequencies that list "as required by the Department" refer to ARM 17.8.105. In addition, for such sources, compliance with limits and conditions listing "as required by the Department" as the frequency, is verified annually using emission factors and engineering calculations by the Department's compliance inspectors during the annual

emission inventory review; in the case of Method 9 tests, compliance is monitored during the regular inspection by the compliance inspector.

A.2. Pursuant to ARM 17.8.304(1), Barretts shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed on or before November 23, 1968, that exhibit an opacity of 40% or greater averaged over 6 consecutive minutes, unless otherwise specified by rule or in this permit.

A.3. Pursuant to ARM 17.8.304(2), Barretts 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.

A.4. Pursuant to ARM 17.8.308(1), Barretts 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.

A.5. Pursuant to ARM 17.8.308(2), Barretts 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.

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

A.7. Pursuant to ARM 17.8.309, unless otherwise specified by rule or in this permit, Barretts shall not cause or authorize particulate matter caused by the combustion of fuel to be discharged from any stack or chimney into the outdoor atmosphere in excess of the maximum allowable emissions of particulate matter for existing fuel burning equipment and new fuel burning equipment calculated using the following equations:

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

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

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

A.8. Pursuant to ARM 17.8.310, unless otherwise specified by rule or in this permit, Barretts 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.

A.9. Pursuant to ARM 17.8.322(4), Barretts 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.

A.10. Pursuant to ARM 17.8.322(5), Barretts shall not burn any gaseous fuel containing sulfur compounds in excess of 50 grains per 100 cubic feet of gaseous fuel, calculated as hydrogen sulfide at standard conditions, unless otherwise specified by rule or in this permit.

A.11. Pursuant to ARM 17.8.324(3), Barretts shall not load or permit the loading of gasoline into any stationary tank with a capacity of 250 gallons or more from any tank truck or trailer, except through a permanent submerged fill pipe, unless such tank is equipped with a vapor loss control device or is a pressure tank as described in ARM 17.8.324(1), unless otherwise specified by rule or in this permit.

A.12. Pursuant to ARM 17.8.324, unless otherwise specified by rule or in this permit, Barretts shall not place, store or hold in any stationary tank, reservoir or other container of more than 65,000 gallon capacity any crude oil, gasoline or petroleum distillate having a vapor pressure of 2.5 pounds per square inch absolute or greater under actual storage conditions, unless such tank, reservoir or other container is a pressure tank maintaining working pressure sufficient at all times to prevent hydrocarbon vapor or gas loss to the atmosphere, or is designed and equipped with a vapor loss control device, properly installed, in good working order and in operation.

A.13. Pursuant to ARM 17.8.324, unless otherwise specified by rule or in this permit, Barretts shall not use any compartment of any single or multiple-compartment oil-effluent water separator, which compartment receives effluent water containing 200 gallons a day or more of any petroleum product from any equipment processing, refining, treating, storing or handling kerosene or other petroleum product of equal or greater volatility than kerosene, unless such compartment is equipped with a vapor loss control device, constructed so as to prevent emission of hydrocarbon vapors to the atmosphere, properly installed, in good working order and in operation.

A.14. Pursuant to ARM 17.8.302 and ARM 17.8.342, and 40 CFR 63.6, the owner or operator must maintain at the affected source a current startup, shutdown, and malfunction plan (if a plan is required by 40 CFR 63.6(e)(3) and the Table for General Provision Applicability of the appropriate subpart), meeting the requirements of 40 CFR 63.6, and must make the plan available upon request. In addition, if the startup, shutdown, and malfunction plan is subsequently revised, the owner or operator must maintain at the affected source each previous (i.e., superseded) version of the startup, shutdown, and malfunction plan, and must make each such previous version available for a period of 5 years after revision of the plan. The owner or operator shall confirm that actions taken during the relevant reporting period during periods of startup, shutdown, and malfunction were consistent with the affected source's startup, shutdown and malfunction plan in the semiannual (or more frequent) startup, shutdown, and malfunction report required in 40 CFR 63.10(d)(5).

A.15. Pursuant to ARM 17.8.1211(1)(c) and 40 CFR 98, Barretts shall comply with requirements of 40 CFR Part 98 - Mandatory Greenhouse Gas Reporting, as applicable (ARM 17.8.1211(1)(c), NOT an applicable requirement under Title V).

A.16. Barretts shall promptly report deviations from permit requirements including those attributable to upset conditions, as upset is defined in the permit. To be considered prompt, deviations shall be reported to the Department using the schedule and content as described in Section V.E (unless otherwise specified in an applicable requirement) (ARM 17.8.1212).

A.17. On or before February 15 and August 15 of each year, Barretts shall submit to the Department the compliance monitoring reports required by Section V.D. These reports must contain all information required by Section V.D, as well as the information required by each individual emissions unit. For the reports due by February 15 of each year, Barretts may submit a single report, provided that it contains all the information required by Section V.B & V.D. Per ARM 17.8.1207,

> *any application form, report, or compliance certification submitted pursuant to ARM Title 17, Chapter 8, Subchapter 12 (including semiannual monitoring reports), 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."***

A.18. By February 15 of each year, Barretts shall submit to the Department the compliance certification required by Section V.B. The annual certification required by Section V.B must include a statement of compliance based on the information available that identifies any observed, documented or otherwise known instance of noncompliance for each applicable requirement. Per ARM 17.8.1207,

> *any application form, report, or compliance certification submitted pursuant to ARM Title 17, Chapter 8, Subchapter 12 (including annual certifications), 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."***

B. EU001 – 57-MMBtu/hr Boiler (BRL32601)

Condition(s)	Pollutant/Parameter	Permit Limit	Compliance Demonstration Method	Compliance Demonstration Frequency	Reporting Requirements
B.1, B.4, B.7, B.9, B.10, B.11	Opacity	40%	Method 9	As Required by the Department and Section III.A.1	Semiannual
B.2, B.5, B.7, B.9, B.10, B.11	Particulate matter	$E=0.882 * H^{-0.1664}$	Method 5	As Required by the Department and Section III.A.1	
B.3, B.6, B.8, B.10, B.11	Sulfur compounds in fuel (gaseous)	50 gr/100 scf	Pipeline quality natural gas	Ongoing	

Conditions

B.1. Barretts shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed on or before November 23, 1968, that exhibits an opacity of 40% or greater averaged over 6 consecutive minutes (ARM 17.8.304(1)).

B.2. Barretts 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 $E=0.882*H^{-0.1664}$ or existing fuel burning equipment, where H = heat input capacity in MMBtu/hr and E = maximum allowable emission rate in lb/MMBtu (ARM 17.8.309).

B.3. Barretts shall not burn any gaseous fuel containing sulfur compounds in excess of 50 grains per 100 standard cubic feet of gaseous fuel, calculated as hydrogen sulfide at standard conditions (ARM 17.8.322(5)).

Compliance Demonstration

B.4. As required by the Department and Section III.A.1, Barretts shall perform a Method 9 test in accordance with the Montana Source Test Protocol and Procedures Manual. Each observation period shall be a minimum of 6 minutes unless any one reading is 40% or greater, then the observation period shall be a minimum of 20 minutes or until a violation of the standard has been documented, whichever is a shorter period of time (ARM 17.8.106 and ARM 17.8.1213).

B.5. As required by the Department and Section III.A.1, Barretts shall perform a Method 5 test in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1213).

B.6. Compliance with the sulfur in fuel requirements may be satisfied by burning pipeline quality natural gas on an ongoing basis (ARM 17.8.1213).

Recordkeeping

B.7. All compliance source test recordkeeping shall be performed in accordance with the test method used and the Montana Source Test Protocol and Procedures Manual, and shall be maintained on site (ARM 17.8.106 and ARM 17.8.1212).

B.8. Barretts shall log the duration of time that a fuel other than pipeline quality natural gas is burned in the boiler. The log shall include the estimated start date and time, fuel characteristics, duration, and operator's initials (ARM 17.8.1212).

Reporting

B.9. Any compliance source test reports must be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1212).

B.10. The annual compliance certification required by Section V.B must contain a certification statement for the above applicable requirements (ARM 17.8.1212).

B.11. The semiannual monitoring report shall provide (ARM 17.8.1212):

a. A summary of the results of any compliance test conducted during the last reporting period; and

b. Any fuel usage that deviates from pipeline quality natural gas.

C. EU090 – 2.5-MMBtu/hr Sterilizer System Heater

Condition(s)	Pollutant/Parameter	Permit Limit	Compliance Demonstration Method	Compliance Demonstration Frequency	Reporting Requirements
C.1, C.4, C.7, C.9, C.10, C.11	Opacity	40%	Method 9	As Required by the Department and Section III.A.1	Semiannual
C.2, C.5, C.7, C.9, C.10, C.11	Particulate matter	$E=0.882 * H^{-0.1664}$	Method 5	As Required by the Department and Section III.A.1	
C.3, C.6, C.8, C.10, C.11	Sulfur compounds in fuel (gaseous)	50 gr/100 scf	Pipeline quality natural gas	Ongoing	

Conditions

C.1. Barretts shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed on or before November 23, 1968, that exhibits an opacity of 40% or greater averaged over 6 consecutive minutes (ARM 17.8.304(1)).

C.2. Barretts 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 $E=0.882*H^{-0.1664}$ or existing fuel burning equipment, where H = heat input capacity in MMBtu/hr and E = maximum allowable emission rate in lb/MMBtu (ARM 17.8.309).

C.3. Barretts shall not burn any gaseous fuel containing sulfur compounds in excess of 50 grains per 100 standard cubic feet of gaseous fuel, calculated as hydrogen sulfide at standard conditions (ARM 17.8.322(5)).

Compliance Demonstration

C.4. As required by the Department and Section III.A.1, Barretts shall perform a Method 9 test in accordance with the Montana Source Test Protocol and Procedures Manual. Each observation period shall be a minimum of 6 minutes unless any one reading is 40% or greater, then the observation period shall be a minimum of 20 minutes or until a violation of the standard has been documented, whichever is a shorter period of time (ARM 17.8.106 and ARM 17.8.1213).

C.5. As required by the Department and Section III.A.1, Barretts shall perform a Method 5 test in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1213).

C.6. Compliance with the sulfur in fuel requirements may be satisfied by burning pipeline quality natural gas on an ongoing basis (ARM 17.8.1213).

Recordkeeping

C.7. All compliance source test recordkeeping shall be performed in accordance with the test method used and the Montana Source Test Protocol and Procedures Manual, and shall be maintained on site (ARM 17.8.106 and ARM 17.8.1212).

C.8. Barretts shall log the duration of time that a fuel other than pipeline quality natural gas is burned in the boiler. The log shall include the estimated start date and time, fuel characteristics, duration, and operator's initials (ARM 17.8.1212).

Reporting

C.9. Any compliance source test reports must be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1212).

C.10. The annual compliance certification required by Section V.B must contain a certification statement for the above applicable requirements (ARM 17.8.1212).

C.11. The semiannual monitoring report shall provide (ARM 17.8.1212):

a. A summary of the results of any compliance test conducted during the last reporting period; and

b. Any fuel usage that deviates from pipeline quality natural gas.

D. Particulate Emitting Units – No Baghouse

EU067 - Wash Plant Jaw Crusher (backup)
EU068 - Bulk Crude Conveyor
EU069 - Ore Stockpile
EU070 - Rejects Stockpile
EU071 - Fines Stockpile
EU075 - Tailings Handling
EU076 - Conveyor Transfer Points

Condition(s)	Pollutant/Parameter	Permit Limit	Compliance Demonstration Method	Compliance Demonstration Frequency	Reporting Requirements
D.1, D.3, D.4, D.5, D.7, D.8, D.9, D.10, D.11	Opacity	20%	Method 9	Semiannual	Semiannual
			Visual Survey/Best Operating Practices	Weekly	
D.2, D.6, D.8, D.9, D.10, D.11	Particulate matter	$E=55*P^{0.11}-40$	Method 5	As Required by the Department and Section III.A.1	

Conditions

D.1. Barretts shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed after November 23, 1968, that exhibits an opacity of 20% or greater averaged over 6 consecutive minutes (ARM 17.8.304(2)).

D.2. The particulate emissions from process weight shall not exceed the value calculated by $E=55.0*P^{0.11}-40$ where E is the rate of emissions in pounds per hour and P is the process weight rate in tons per hour (ARM 17.8.310).

Compliance Demonstration

D.3. Once per calendar week during daylight hours, Barretts shall visually survey the backup Wash Plant Jaw Crusher, Bulk Crude Conveyor, Ore Stockpile, Rejects Stockpile, Fines Stockpile, Tailings Handling, and Conveyor Transfer Points for any visible emissions. If visible emissions are observed during the visual survey, Barretts must conduct a Method 9 source test. The Method 9 source test must begin within one hour of any observation of visible emissions. If visible emissions meet or exceed 15% opacity based on the Method 9 source test, Barretts shall immediately take corrective action to contain or minimize the source of emissions. If corrective actions are taken, then Barretts shall immediately conduct a subsequent visual survey (and subsequent Method 9 source test if visible emissions remain) to monitor compliance. The person conducting the visual survey shall record the results of the survey (including the results of any Method 9 source test performed) in a log, including any corrective action taken. Conducting a visual survey does not relieve Barretts of the liability for a violation determined using Method 9 (ARM 17.8.101(27)).

If the visual surveys are not performed once per calendar week as specified above during the reporting period, then Barretts shall perform the Method 9 source tests on these emitting units for that reporting period.

Method 9 tests must be performed in accordance with the Montana Source Test Protocol and Procedures Manual, except that prior notification of the test is not required. Each observation period shall be a minimum of 6 minutes unless any one reading is 20% or greater, then the observation period shall be a minimum of 20 minutes or until a violation of the standard has been documented, whichever is a shorter period of time (ARM 17.8.106 and ARM 17.8.1213).

D.4. Activity on talc tailings piles shall be conducted so as to minimize agitation of fugitive dust and all transfer of material from front-end loaders shall be conducted in such a manner that the material fall distance is minimized as much as possible (ARM 12.8.308).

D.5. Fall distance shall be minimized during transfer and handling of ore or tailings (ARM 17.8.308).

D.6. As required by the Department and Section III.A.1, Barretts shall perform a Method 5 test in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1213).

Recordkeeping

D.7. If visual surveys are performed, Barretts shall maintain a log to verify that the visual surveys were performed as specified in Section III.D.3. Each log entry must include the date, time, results of survey (and results of subsequent Method 9, if applicable), and observer's initials. If any corrective action is required, the time, date, observer's initials, and any preventive or corrective action taken must be recorded in the log (ARM 17.8.1212).

D.8. All compliance source test recordkeeping shall be performed in accordance with the test method used and the Montana Source Test Protocol and Procedures Manual, and shall be maintained on site (ARM 17.8.106 and ARM 17.8.1212).

Reporting

D.9. Any compliance source test reports must be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1212).

D.10. The annual compliance certification required by Section V.B must contain a certification statement for the above applicable requirements (ARM 17.8.1212).

D.11. The semiannual monitoring report shall provide (ARM 17.8.1212):

a. A summary of the results of any compliance test conducted during the last reporting period; and

b. A summary of any corrective action taken with respect to visual survey results.

E. Hammermill - Particulate Emitting Units – with Baghouse

EU043 - #1 and #2 Hammermills

Condition(s)	Pollutant/Parameter	Permit Limit	Compliance Demonstration		Reporting Requirements
E.1, E.3, E.5, E.6, E.7, E.8, E.9	Opacity	40%*	Method 9	As Required by the Department and Section III.A.1	Semiannual
			Operation and maintenance of baghouses	Appendix E	
E.2, E.4, E.6, E.7, E.8, E.9	Particulate matter	$E=55*P^{0.11}-40$	Method 5	As Required by the Department and Section III.A.1	

* Emitting Units 043 are routed to common stacks with emitting units 012, 013, 020. These units must meet the 7% opacity limitation since they are routed to stacks that have this limitation.

Conditions

E.1. Barretts shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed on or before November 23, 1968, that exhibits an opacity of 40% or greater averaged over 6 consecutive minutes (ARM 17.8.304(1)).

E.2. The particulate emissions from process weight shall not exceed the value calculated by $E=55.0*P^{0.11}-40$ where E is the rate of emissions in pounds per hour and P is the process weight rate in tons per hour (ARM 17.8.310).

Compliance Demonstration

E.3. Barretts shall monitor compliance with Section III.E.1 by continuously operating and maintaining the baghouses in accordance with Appendix E of this permit. In addition, as required by the Department and Section III.A.1, Barretts shall perform a Method 9 test in accordance with the Montana Source Test Protocol and Procedures Manual. Each observation period shall be a minimum of 6 minutes unless any one reading is 40% or greater, then the observation period shall be a minimum of 20 minutes or until a violation of

the standard has been documented, whichever is a shorter period of time (ARM 17.8.106 and ARM 17.8.1213).

E.4. As required by the Department and Section III.A.1, Barretts shall perform a Method 5 test in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1213).

Recordkeeping

E.5. Barretts shall maintain on-site records of all inspection and maintenance activities performed on the baghouses in accordance with Appendix E of this permit and submit records to the Department upon request (ARM 17.8.106 and ARM 17.8.1212).

E.6. All compliance source test recordkeeping shall be performed in accordance with the test method used and the Montana Source Test Protocol and Procedures Manual, and shall be maintained on site (ARM 17.8.106 and ARM 17.8.1212).

Reporting

E.7. Any compliance source test reports must be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1212).

E.8. The annual compliance certification required by Section V.B must contain a certification statement for the above applicable requirements (ARM 17.8.1212).

E.9. The semiannual monitoring report shall provide (ARM 17.8.1212):

a. A summary of the results of any compliance test conducted during the last reporting period; and

b. A summary of any corrective actions taken as a result of the inspections and maintenance as required by Appendix E of this permit.

F. Particulate Emitting Units – with Baghouse

EU002 - #1 Roller Mill
EU003 - #2 Roller Mill
EU004 - #3 Roller Mill
EU005 - #1 Roller Mill-Nuisance
EU006 - #2 Roller Mill-Nuisance
EU007 - #1 ACM Feed Bin
EU018 - #3 Roller Mill Crude Bins
EU022 - Pump Stations
EU024 - Silo #1
EU025 - Silo #2
EU026 - Silo #3
EU027 - Silo #4
EU028 - Silo #5
EU029 - Silo #6
EU034 - #4 Jet Mill Crude Bins
EU035 - #2 Jet Mill
EU039 - #3 and #4 Hammermills
EU041 - Packout Reclaim
EU042 - #1 and 2 Jet Stream Classifiers
EU050 - Jet Mill Reclaim System
EU089 - Air Classifier Mill (ACM) Throwouts

Condition(s)	Pollutant/Parameter	Permit Limit	Compliance Demonstration Method	Compliance Demonstration Frequency	Reporting Requirements
F.1, F.2, F.4, F.6, F.7, F.8, F.9, F.10	Opacity	20%*	Method 9	As Required by the Department and Section III.A.1	Semiannual
			Operation and maintenance of baghouses	Appendix E	
F.3, F.5, F.7, F.8, F.9, F.10	Particulate matter	$E=55*P^{0.11}-40$	Method 5	As Required by the Department and Section III.A.1	

* Emitting Units 18, 22, and 39 have shared stacks and are vented to single stacks. Some of these units must meet the 7% opacity limitation; therefore, the stack is limited to the 7% opacity.

Conditions

F.1. Barretts shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed after November 23, 1968, that exhibits an opacity of 20% or greater averaged over 6 consecutive minutes (ARM 17.8.304(2)).

F.2. Barretts shall vent these emission points to baghouses (ARM 17.8.749).

F.3. The particulate emissions from process weight shall not exceed the value calculated by $E=55.0*P^{0.11}-40$ where E is the rate of emissions in pounds per hour and P is the process weight rate in tons per hour (ARM 17.8.310).

Compliance Demonstration

F.4. Barretts shall monitor compliance with Section III.F.1 and F.2 by continuously operating and maintaining the baghouses in accordance with Appendix E of this permit. In addition, as required by the Department and Section III.A.1, Barretts shall perform a Method 9 test in accordance with the Montana Source Test Protocol and Procedures Manual. Each observation period shall be a minimum of 6 minutes unless any one reading is 20% or greater, then the observation period shall be a minimum of 20 minutes or until a violation of the standard has been documented, whichever is a shorter period of time (ARM 17.8.106 and ARM 17.8.1213).

F.5. As required by the Department and Section III. A.1, Barretts shall perform a Method 5 test in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1213).

Recordkeeping

F.6. Barretts shall maintain on-site records of all inspection and maintenance activities performed on the baghouses in accordance with Appendix E of this permit and submit records to the Department upon request (ARM 17.8.1212).

F.7. All compliance source test recordkeeping shall be performed in accordance with the test method used and the Montana Source Test Protocol and Procedures Manual, and shall be maintained on site (ARM 17.8.106 and ARM 17.8.1212).

Reporting

F.8. Any compliance source test reports must be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1212).

F.9. The annual compliance certification required by Section V.B must contain a certification statement for the above applicable requirements (ARM 17.8.1212).

F.10. The semiannual monitoring report shall provide (ARM 17.8.1212):

a. A summary of the results of any compliance test conducted during the last reporting period; and

b. A summary of any corrective actions taken as a result of the inspections and maintenance as required by Appendix E of this permit.

G. EU036 - #3 Jet Mill

Condition(s)	Pollutant/Parameter	Permit Limit	Compliance Demonstration Method	Compliance Demonstration Frequency	Reporting Requirements
G.1, G.4, G.6, G.7, G.8, G.9, G.10	Opacity	20%	Method 9	As Required by the Department and Section III.A.1	Semiannual
			Operation and maintenance of baghouses	Appendix E	
G.2, G.3, G.5, G.7, G.8, G.9, G.10	Baghouse Particulate Matter	9.3 lb/hr $E=55*P^{0.11}-40$	Method 5	As Required by the Department and Section III. A.1	

Conditions

G.1. Barretts shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed after November 23, 1968, that exhibits an opacity of 20% or greater averaged over 6 consecutive minutes (ARM 17.8.304(2)).

G.2. Barretts shall vent the emission points to a baghouse and shall not cause or authorize to be discharged into the atmosphere, particulate emissions exceeding 9.3 lb/hr (ARM 17.8.749 and ARM 17.8.752).

G.3. The particulate emissions from process weight shall not exceed the value calculated by $E=55.0*P^{0.11}-40$ where E is the rate of emissions in pounds per hour and P is the process weight rate in tons per hour (ARM 17.8.310).

Compliance Demonstration

G.4. Barretts shall monitor compliance with Section III.G.1 by continuously operating and maintaining the baghouse in accordance with Appendix E of this permit. In addition, as required by the Department and Section III.A.1, Barretts shall perform a Method 9 test in accordance with the Montana Source Test Protocol and Procedures Manual. Each observation period shall be a minimum of 6 minutes unless any one reading is 20% or greater, then the observation period shall be a minimum of 20 minutes or until a violation of the standard has been documented, whichever is a shorter period of time (ARM 17.8.106 and ARM 17.8.1213).

G.5. Barretts shall monitor compliance with Sections III.G.2 and III.G.3 by continuously operating and maintaining the baghouses in accordance with Appendix E of this permit. As required by the Department and Section III.A.1, Barretts shall perform a Method 5 test in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1213).

Recordkeeping

G.6. Barretts shall maintain records of all inspection and maintenance activities performed on the baghouses in accordance with Appendix E of this permit on-site and submit records to the Department upon request (ARM 17.8.1212).

G.7. All compliance source test recordkeeping shall be performed in accordance with the test method used and the Montana Source Test Protocol and Procedures Manual, and shall be maintained on site (ARM 17.8.106 and ARM 17.8.1212).

Reporting

G.8. Any compliance source test reports must be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1212).

G.9. The annual compliance certification required by Section V.B must contain a certification statement for the above applicable requirements (ARM 17.8.1212).

G.10. The semiannual monitoring report shall provide (ARM 17.8.1212):

a. A summary of the results of any compliance test conducted during the last reporting period; and

b. A summary of any corrective actions taken as a result of the inspections and maintenance as required by Appendix E of this permit.

H. EU008 - #5 Jet Mill Crude Bin

Condition(s)	Pollutant/Parameter	Permit Limit	Compliance Demonstration Method	Compliance Demonstration Frequency	Reporting Requirements
H.1, H.4, H.6, H.7, H.8, H.9, H.10	Opacity	20%	Operation and maintenance of baghouse	Appendix E	Semiannual
			Method 9	As Required by the Department and Section III.A.1	
H.2, H.3, H.5 H.6, H.7, H.8, H.9, H.10	Baghouse	0.02 gr/dscf	Operation and maintenance of baghouses	Appendix E	
	Particulate matter	$E=55*P^{0.11}-40$	Method 5	As Required by the Department and Section III.A.1	

Conditions

H.1. Barretts shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed after November 23, 1968, that exhibits an opacity of 20% or greater averaged over 6 consecutive minutes (ARM 17.8.304(2)).

H.2. Barretts shall vent the emission points to a baghouse and shall not cause or authorize to be discharged into the atmosphere, particulate emissions exceeding 0.02 grains per dry standard cubic foot (ARM 17.8.752).

H.3. The particulate emissions from process weight shall not exceed the value calculated by $E=55.0*P^{0.11}-40$ where E is the rate of emissions in pounds per hour and P is the process weight rate in tons per hour (ARM 17.8.310).

Compliance Demonstration

H.4. Barretts shall monitor compliance with Section III.H.1 by continuously operating and maintaining the baghouses in accordance with Appendix E of this permit. In addition, as required by the Department and Section III.A.1, Barretts shall perform a Method 9 test in accordance with the Montana Source Test Protocol and Procedures Manual. Each observation period shall be a minimum of 6 minutes unless any one reading is 20% or greater, then the observation period shall be a minimum of 20 minutes or until a violation of the standard has been documented, whichever is a shorter period of time (ARM 17.8.106 and ARM 17.8.1213).

H.5. Barretts shall monitor compliance with Sections III.H.2 and III.H.3 by continuously operating and maintaining the baghouses in accordance with Appendix E of this permit. As required by the Department and Section III A.1, Barretts shall perform a Method 5 test in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1213).

Recordkeeping

H.6. Barretts shall maintain records of all inspection and maintenance activities performed on the baghouses in accordance with Appendix E of this permit on-site and submit records to the Department upon request (ARM 17.8.1212).

H.7. All compliance source test recordkeeping shall be performed in accordance with the test method used and the Montana Source Test Protocol and Procedures Manual, and shall be maintained on site (ARM 17.8.106 and ARM 17.8.1212).

Reporting

H.8. Any compliance source test reports must be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1212).

H.9. The annual compliance certification required by Section V.B must contain a certification statement for the above applicable requirements (ARM 17.8.1212).

H.10. The semiannual monitoring report shall provide (ARM 17.8.1212):

a. A summary of the results of any compliance test conducted during the last reporting period; and

b. A summary of any corrective actions taken as a result of the inspections and maintenance as required by Appendix E of this permit.

I. Particulate Sources - NSPS Subpart OOO with Baghouse

The following NSPS Subpart OOO affected sources commenced construction, reconstruction, or modification after August 31, 1983, but before April 22, 2008, and DO NOT control an individual, enclosed storage bin.

EU009 - #2 Jet Mill Crude Bin
EU010 - Beneficiation Crude Silos, Bucket Elevator
EU012 - Pellet Nuisance East
EU013 - Pellet Nuisance West
EU014 - #3 Jet Stream Classifier
EU017 - Bulk Loadout Spouts (#1, #2, and #3)
EU020 – Packout Packers, East and West
EU083 – CPS Vacuum Packer
EU086 – Centralized Vacuum System
EU088 – ACM #2 Mill
EU092 - #5 Jet Mill

The following NSPS Subpart OOO affected sources commenced construction, reconstruction, or modification after August 31, 1983, but before April 22, 2008, and controls only an individual, enclosed storage bin.

EU015 – Talc Compaction System
EU077 - West Coated Talc Product Bin
EU078 - East Coated Talc Product Bin
EU085 – Silo #15
EU087 – Silo #16
EU094 - #3 ACM Mill
EU095 - #3 ACM Wet Crude Bin
EU096 - #3 ACM Dry Crude Mill Bin
EU098 – Wash Plant Cone Crusher
EU099 – Optical Sorting Wash Plant (Specifically, Wash Plant Dry Screen, Optical Sorter #1, Optical Sorter #2 within plant)

The following NSPS Subpart OOO affected sources commenced construction, reconstruction, or modification on or after April 22, 2008, and DO NOT control an individual, enclosed storage bin.

None at this time.

The following NSPS Subpart OOO affected sources commenced construction, reconstruction, or modification on or after April 22, 2008, and controls only an individual enclosed storage bin.

EU016 - #4 Jet Stream Classifier Feed Bin
EU030 - #7 Silo
EU031 - #8 Silo
EU037 - #4 Jet Mill
EU044 – Centralized Reclaim
EU045 - Dry Mill Input (Cone Crusher)
EU052 - #9 Silo
EU053 - #10 Silo
EU054 - #1 ACM Mill
EU055 - East Coated Talc Feed Bin
EU056 - West Coated Talc Feed Bin
EU057 - Semi-Bulk #7
EU058 - Coated Talc Semi-bulk Packer Bin
EU060 - Pellet Loadout Conveyor
EU061 - Pelletizer South Feed Bin
EU062 - Pelletizer North Feed Bin
EU063 - #1 Semi-bulk Feed Bin
EU064 - #2 Semi-bulk Feed Bin
EU065 - K-tron Feed Bin
EU079 - #2 ACM Crude Bin
EU080 – Beneficiation Product Silos
EU082 – Roller Mill Rejects (Throwouts) Silo
EU084 – CPS Silo
EU091 – Sterilizer System Feed Bin

Condition(s)	Pollutant/ Parameter	Permit Limit	Compliance Demonstration Method	Compliance Demonstration Frequency	Reporting Requirements
I.1, I.2, I.3, I.4, I.6, I.7, I.8, I.9, I.10, I.11	Opacity	7% stack emission for sources that commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008, and for sources that commenced construction, modification, or reconstruction on or after April 22, 2008, and control individual enclosed storage bins. 10% fugitive emissions from any grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations for sources that commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008. 7% fugitives emissions from any grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed	Method 9 and Method 22 for sources for sources which construction, modification, or reconstruction commenced on or after April 22, 2008	Initial performance test and required repeat performance test for fugitive sources within 5 years of last performance test. and Quarterly 30-minute Method 22, as required As Required by the Department, Section III.A.1, and Appendix E	As required by the Protocol and Semiannual

Condition(s)	Pollutant/ Parameter	Permit Limit	Compliance Demonstration Method	Compliance Demonstration Frequency	Reporting Requirements
		truck or railcar loading stations for sources that commenced construction, modification, or reconstruction on or after April 22, 2008.			
I.1, I.2, I.4, I.5, I.7, I.8, I.9, I.10, I.11	Particulate matter	0.05 g/dscm for stacks that commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008, and do not control an individual, enclosed storage bin. 0.032 g/dscm for stacks that commenced construction, modification, or reconstruction on or after April 22, 2008, and do not control an individual, enclosed storage bin.	Method 5 and Operation and maintenance of baghouse per Appendix E	Initial performance test and As Required by the Department, Section III.A.1, and Appendix E	As required by the Protocol and Semiannual

Conditions

I.1. Barretts shall comply with all applicable standards, limitations, and the reporting, record keeping, and notification requirements of 40 CFR 60, Subpart OOO (Standards of Performance for Nonmetallic Mineral Processing Plants) which include, but are not limited to following (ARM 17.8.340 and 40 CFR 60, Subpart OOO):

a. Barretts shall not cause or authorize emissions to be discharged into the outdoor atmosphere, from any source (baghouse), visible emissions that exhibits an opacity of 7% or greater averaged over 6 consecutive minutes;

b. Barretts shall not cause or authorize emissions to be discharged into the outdoor atmosphere fugitive emissions escaping a capture system from any grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or any other affected source that commenced construction, modification, or reconstruction after August 31, 2018, but before April 22, 2008, any visible emissions the exhibit opacity of 10% or greater averaged over 6 consecutive minutes;

c. Barretts shall not cause or authorize emissions to be discharged into the outdoor atmosphere fugitive emissions escaping a capture system from any grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or any other affected source that commenced construction, modification, or reconstruction after April 22, 2008, any visible emissions the exhibit opacity of 7% or greater averaged over 6 consecutive minutes;

d. Barretts shall not cause or authorize to be discharged into the outdoor atmosphere, particulate matter in excess of 0.05 grams per dry standard cubic meter if the emission unit commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008, and the emission unit DOES NOT control an individual, enclosed storage bin;

e. Barretts shall not cause or authorize to be discharged into the outdoor atmosphere, particulate matter in excess of 0.032 grams per dry standard cubic meter if the emission unit commenced construction, modification, or reconstruction on or after April 22, 2008, and the emission unit DOES NOT control an individual, enclosed storage bin; and

f. Barretts shall not cause or authorize to be discharged into the atmosphere particulate emissions exceeding 0.014 gr/dscf (0.032 g/dscm) from the Talc Compaction System (TCS) (EU015) (ARM 17.8.749 and ARM 17.8.340).

I.2. Barretts shall vent these emission points to baghouses (ARM 17.8.749).

Compliance Demonstration

I.3. As required by the Department and Section III. A.1, Barretts shall perform a Method 9 test in accordance with the Montana Source Protocol and Procedures Manual and as required by 40 CFR 60 Subpart OOO (ARM 17.8.106, ARM 17.8.1213, ARM 17.8.340, and 40 CFR 60, Subpart OOO).

I.4. Barretts shall continuously operate and maintain the baghouses in accordance with Appendix E of this permit (ARM 17.8.1213).

I.5. As required by the Department and Section III.A.1, Barretts shall perform a Method 5 test in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1213).

I.6. Once per calendar quarter, conduct a 30-minute visible emissions inspection using EPA Method 22 (40 CFR part 60, appendix A-7) while the baghouse is operating on each source constructed, modified, or reconstructed on or after April 22, 2008, or use an approved bag leak detection system. If visible emissions are observed, initiate corrective action within 24 hours, then conduct another 30-minute visible emissions inspection using Method 22, repeating these inspections and corrections until no visible emissions are observed. If an alternative bag leak detection system is approved, follow the approved site-specific monitoring plan (ARM 17.8.302, 40 CFR 60 Subpart OOO).

Recordkeeping

I.7. Barretts shall maintain on-site records of all inspection, corrective actions, and maintenance activities performed on the baghouses in accordance with Appendix E of this permit, as required by 40 CFR 60 Subpart OOO, and submit records to the Department upon request (ARM 17.8.1212).

I.8. All compliance source test recordkeeping shall be performed in accordance with the test method used and the Montana Source Test Protocol and Procedures Manual, and shall be maintained on site (ARM 17.8.106 and ARM 17.8.1212).

Reporting

I.9. Any compliance source test reports must be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1212).

I.10. The annual compliance certification required by Section V.B must contain a certification statement for the above applicable requirements (ARM 17.8.1212).

I.11. The semiannual monitoring report shall provide (ARM 17.8.1212):

a. A summary of the results of any compliance test conducted during the last reporting period; and

b. A summary of any corrective actions taken as a result of the inspections and maintenance as required by Appendix E of this permit and 40 CFR 60 Subpart OOO.

J. EU047 – Calciner

Condition(s)	Pollutant/Parameter	Permit Limit	Compliance Demonstration Method	Compliance Demonstration Frequency	Reporting Requirements
J.1, J.4, J.7, J.9, J.10, J.11	Opacity	40%	Method 9	As Required by the Department and Section III.A.1	Semiannual
J.2, J.5, J.7, J.9 J.10, J.11	Particulate Matter	$E= 0.882 * H^{-0.1664}$	Method 5	As Required by the Department and Section III.A.1	
J.3, J.6, J.8, J.10, J.11	Sulfur compounds in fuel (gaseous)	50 gr/100 dscf	Pipeline quality natural gas	Ongoing	

Conditions

J.1. Barretts shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed on or before November 23, 1968, that exhibits an opacity of 40% or greater averaged over 6 consecutive minutes (ARM 17.8.304(1)).

J.2. Barretts 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 $E=0.882*H^{-0.1664}$ for existing fuel burning equipment, where H = heat input capacity in MMBtu/hr and E = maximum allowable emission rate in lb/MMBtu (ARM 17.8.309).

J.3. Barretts shall not burn any gaseous fuel containing sulfur compounds in excess of 50 grains per 100 standard cubic feet of gaseous fuel, calculated as hydrogen sulfide at standard conditions (ARM 17.8.322(5)).

Compliance Demonstration

J.4. As required by the Department and Section III.A.1, Barretts shall perform a Method 9 test in accordance with Montana Source Test Protocol and Procedures Manual. Each observation period shall be a minimum of 6 minutes unless any one reading is 40% or greater, then the observation period shall be a minimum of 20 minutes or until a violation of

the standard has been documented, whichever is a shorter period of time (ARM 17.8.106 and ARM 17.8.1213).

J.5. As required by the Department and Section III.A.1, Barretts shall perform a Method 5 test in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1213).

J.6. Compliance with the sulfur in fuel requirements may be satisfied by burning pipeline quality natural gas on an ongoing basis (ARM 17.8.1213).

Recordkeeping

J.7. All compliance source test recordkeeping shall be performed in accordance with the test method used and the Montana Source Test Protocol and Procedures Manual, and shall be maintained on site (ARM 17.8.106 and ARM 17.8.1212).

J.8. Barretts shall log the duration of time that a fuel other than pipeline quality natural gas is burned in the Calciner. The log shall include the estimated start date and time, fuel characteristics, duration, and operator's initials (ARM 17.8.1212).

Reporting

J.9. Any compliance source test reports must be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1212).

J.10. The annual compliance certification required by Section V.B must contain a certification statement for the above applicable requirements (ARM 17.8.1212).

J.11. The semiannual monitoring report shall provide (ARM 17.8.1212):

a. A summary of the results of any compliance test conducted during the last reporting period; and

b. Any fuel usage that deviates from pipeline quality natural gas.

K. Dryers

EU048 – Beneficiation Dryer and EU059 – Pelletizer Dryer System

Condition(s)	Pollutant/Parameter	Permit Limit	Compliance Demonstration		Reporting Requirements
			Method	Frequency	
K.1, K.3, K.7, K.10, K.11, K.12	Opacity	10%	40 CFR 60, Subpart UUU	40 CFR 60, Subpart UUU	40 CFR 60, Subpart UUU
			Method 9	As Required by the Department and Section III.A.1	Semiannual
K.1, K.4, K.5, K.7, K.8,	Particulate matter	0.057 g/dscm	40 CFR 60, Subpart UUU	40 CFR 60, Subpart UUU	40 CFR 60, Subpart UUU

Condition(s)	Pollutant/Parameter	Permit Limit	Compliance Demonstration Method	Compliance Demonstration Frequency	Reporting Requirements
K.10, K.11, K.12			Operation and maintenance of baghouses	Appendix E	Semiannual
			Method 5/201A	As Required by the Department and Section III.A.1	
K.2, K.6, K.9, K.11, K.12	Sulfur compounds in fuel (gaseous)	50 gr/100 dscf	Pipeline quality natural gas	Ongoing	

Conditions

K.1. Barretts shall comply with all applicable standards, limitations, and the reporting, record keeping, and notification requirements of 40 CFR 60, Subpart UUU (Standards of Performance for Calciners and Dryers in Mineral Industries) which include, but are not limited to following (ARM 17.8.752, ARM 17.8.340, and 40 CFR 60, Subpart UUU):

a. Barretts shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any source that exhibits an opacity of 10% or greater averaged over 6 consecutive minutes; and

b. Barretts shall not cause or authorize to be discharged into the outdoor atmosphere, particulate matter in excess of 0.057 grams per dry standard cubic meter.

K.2. Barretts shall not burn any gaseous fuel containing sulfur compounds in excess of 50 grains per 100 standard cubic feet of gaseous fuel, calculated as hydrogen sulfide at standard conditions (ARM 17.8.322(5)).

Compliance Demonstration

K.3. As required by the Department and Section III.A.1, Barretts shall perform a Method 9 test in accordance with the Montana Source Protocol and Procedures Manual. Each observation period shall be a minimum of 6 minutes unless any one reading is 10% or greater, then the observation period shall be a minimum of 20 minutes or until a violation of the standard has been documented, whichever is a shorter period of time (ARM 17.8.106 and ARM 17.8.1213).

K.4. Barretts shall continuously operate and maintain the baghouses in accordance with Appendix E of this permit (ARM 17.8.1213).

K.5. As required by the Department and Section III.A.1, Barretts shall perform a Method 5/201A test in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1213).

K.6. Compliance with the sulfur in fuel requirements may be satisfied by burning pipeline quality natural gas (ARM 17.8.1213).

Recordkeeping

K.7. All compliance source test recordkeeping shall be performed in accordance with the test method used and the Montana Source Test Protocol and Procedures Manual, and shall be maintained on site (ARM 17.8.106 and ARM 17.8.1212).

K.8. Barretts shall maintain records of all inspection and maintenance activities, performed on the baghouses in accordance with Appendix E of this permit, on-site and submit records to the Department upon request (ARM 17.8.1212).

K.9. Barretts shall log the duration of time that a fuel other than pipeline quality natural gas is burned in the Beneficiation Dryer and the Pelletizer Dryer System. The log shall include the estimated start date and time, fuel characteristics, duration, and operator's initials (ARM 17.8.1212).

Reporting

K.10. Any compliance source test reports must be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1212).

K.11. The annual compliance certification required by Section V.B must contain a certification statement for the above applicable requirements (ARM 17.8.1212).

K.12. The semiannual monitoring report shall provide (ARM 17.8.1212):

a. A summary of the results of any compliance test conducted during the last reporting period;

b. A summary of any corrective actions taken as a result of the inspections and maintenance as required by Appendix E of this permit; and

c. Any fuel usage that deviates from pipeline quality natural gas.

L. Fugitive Sources

EU072 – Auxiliary Equipment (Diesel); EU073 – Haul and Access Roads; and EU074 – Disturbed Acres

Condition(s)	Pollutant/Parameter	Permit Limit	Compliance Demonstration Method	Compliance Demonstration Frequency	Reporting Requirements
L.1, L.3, L.4, L.5, L.6, L.7, L.8	Opacity	20%	Method 9	As Required by the Department and Section III.A.1	Semiannual
			Visual survey	Weekly	
L.2, L.3, L.7	Airborne particulate matter	Reasonable precautions	Water and/or chemical dust suppressants	As needed	

Conditions

L.1. Barretts shall not cause or authorize emissions from the production, handling, transportation, or storage of any material unless reasonable precautions to control emissions of airborne particulate 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(1)).

L.2. Barretts 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 and shall treat all unpaved portions of the access roads, parking lots, and general plant area with water and/or chemical dust suppressant as necessary (ARM 17.8.308(2) and ARM 17.8.749).

Compliance Demonstration

L.3. Once per calendar week during daylight hours, Barretts shall visually survey the Wash Plant Jaw Crusher, Bulk Crude Conveyor, Ore Stockpile, Rejects Stockpile, Fines Stockpile, Tailings Handling, and Conveyor Transfer Points for any visible emissions. If visible emissions are observed during the visual survey, Barretts must conduct a Method 9 source test. The Method 9 source test must begin within one hour of any observation of visible emissions. If visible emissions meet or exceed 15% opacity based on the Method 9 source test, Barretts shall immediately take corrective action to contain or minimize the source of emissions. If corrective actions are taken, then Barretts shall immediately conduct a subsequent visual survey (and subsequent Method 9 source test if visible emissions remain) to monitor compliance. The person conducting the visual survey shall record the results of the survey (including the results of any Method 9 source test performed) in a log, including any corrective action taken. Conducting a visual survey does not relieve Barretts of the liability for a violation determined using Method 9 (ARM 17.8.101(27)).

If the visual surveys are not performed once per calendar week as specified above during the reporting period, then Barretts shall perform the Method 9 source tests on these emitting units for that reporting period.

Method 9 tests must be performed in accordance with the Montana Source Test Protocol and Procedures Manual, except that prior notification of the test is not required. Each observation period shall be a minimum of 6 minutes unless any one reading is 20% or greater, then the observation period shall be a minimum of 20 minutes or until a violation of the standard has been documented, whichever is a shorter period of time (ARM 17.8.106 and ARM 17.8.1213).

Recordkeeping

L.4. If visual surveys are performed, Barretts shall maintain a log to verify that the visual surveys were performed as specified in Section III.L.3. Each log entry must include the date, time, results of survey (and results of subsequent Method 9, if applicable), and observer's initials. If any corrective action is required, the time, date, observer's initials, and any preventive or corrective action taken must be recorded in the log (ARM 17.8.1212).

L.5. All compliance source test recordkeeping shall be performed in accordance with the test method used and the Montana Source Test Protocol and Procedures Manual, and shall be maintained on site (ARM 17.8.106 and ARM 17.8.1212).

Reporting

L.6. Any compliance source test reports must be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1212).

L.7. The annual compliance certification required by Section V.B must contain a certification statement for the above applicable requirements (ARM 17.8.1212).

L.8. The semiannual monitoring report shall provide (ARM 17.8.1212):

a. A summary of the results of any compliance test conducted during the last reporting period; and

b. A summary of any corrective action taken with respect to visual survey results.

M. Particulate Sources - NSPS Subpart OOO without Baghouse

The following NSPS Subpart OOO affected sources commenced construction, reconstruction, or modification on or after April 22, 2008.

EU097 – Wash Plant Jaw Crusher #2
(Note EU098 – Wash Plant Cone Crusher, an NSPS Subpart OOO affected facility with a baghouse, shares throughput limit with EU097 listed below.)

Condition(s)	Pollutant/Parameter	Permit Limit	Compliance Demonstration Method	Compliance Demonstration Frequency	Reporting Requirements
M.1, M.3, M.5, M.6, M.8, M.9, M.10, M.11	Fugitive opacity for crushers that commenced construction, modification, or reconstruction on or after April 22, 2008	12%	Method 9	Initial Performance Test, Repeat performance test for fugitive sources within 5 years of last performance test, As Required by the Department, Section III.A.1	As required by the Protocol.
M.2, M.4, M.7, M.10	Maximum Capacity Throughput	Combined hourly limits of 110 tons for EU097 and EU098	Equipment restriction	Continuous	Semiannual

Conditions

M.1. Barretts shall comply with all applicable standards and limitations of 40 CFR 60, Subpart OOO (Standards of Performance for Nonmetallic Mineral Processing Plants) which include, but are not limited to following (ARM 17.8.340 and 40 CFR 60, Subpart OOO):

a. Barretts shall not cause or authorize emissions to be discharged into the outdoor atmosphere fugitive emissions from crushers at which a capture system is not used, visible emissions that exhibits an opacity of 12% or greater based on the average of five 6-minute averages; for affected crushers that commenced construction, modification, or reconstruction on or after April 22, 2008.

M.2. Barretts shall limit the combined maximum capacity of the Wash Plant Jaw Crusher #2 (EU097) and Wash Plant Cone Crusher (EU098) to not exceed 110 tons per hour (ARM 17.8.749).

Compliance Demonstration

M.3. As required by the Department and Section III. A.1, Barretts shall perform a Method 9 test in accordance with the Montana Source Protocol and Procedures Manual and as required by 40 CFR 60 Subpart OOO (ARM 17.8.106, ARM 17.8.1213, ARM 17.8.340, and 40 CFR 60, Subpart OOO).

M.4. Wash Plant Jaw Crusher #2 (EU097) and Wash Plant Cone Crusher (EU098) shall deposit crushed material to a shared conveyor that has a design capacity of 110 tons per hour or less (ARM 17.8.1213).

Recordkeeping

M.5. Barretts shall comply with the applicable recordkeeping requirements of 40 CFR 60, Subpart OOO (ARM 17.8.340 and 40 CFR 60, Subpart OOO).

M.6. All compliance source test recordkeeping shall be performed in accordance with the test method used and the Montana Source Test Protocol and Procedures Manual, and shall be maintained on site (ARM 17.8.106 and ARM 17.8.1212).

M.7. Barretts shall maintain on-site records of all of the design capacity of the shared conveyor for Wash Plant Jaw Crusher #2 (EU097) and Wash Plant Cone Crusher (EU098), and submit records to the Department upon request (ARM 17.8.1212).

Reporting

M.8. Barretts shall comply with the applicable notification and reporting requirements of 40 CFR 60, Subpart OOO (ARM 17.8.340 and 40 CFR 60, Subpart OOO).

M.9. Any compliance source test reports must be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1212).

M.10. The annual compliance certification required by Section V.B must contain a certification statement for the above applicable requirements (ARM 17.8.1212).

M.11. The semiannual monitoring report shall provide (ARM 17.8.1212):

a. A summary of the results of any compliance test conducted during the last reporting period.

N. Gasoline Dispensing (GD)

Condition(s)	Pollutant/Parameter	Permit Limit	Compliance Demonstration		Reporting Requirements
			Method	Frequency	
N.1, N.2, N.3, N.4, N.5, N.6	Gasoline Dispensing	Work Practices	40 CFR 63, Subpart CCCCCC	40 CFR 63, Subpart CCCCCC	Semiannual

Conditions

N.1. When handling gasoline dispensing, Barretts shall take measures to (ARM 17.8.342 and 40 CFR 62, Subpart CCCCCC):

a. Minimize gasoline spills;

b. Clean up spills as expeditiously as practical;

c. Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use; and

d. Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

Compliance Demonstration

N.2. Barretts shall maintain compliance with the described requirements in Section III.N.1 through the applicable monitoring and compliance requirements of 40 CFR 63, Subpart CCCCCC (ARM 17.8.342 and 40 CFR 63, Subpart CCCCCC).

Recordkeeping

N.3. Barretts shall maintain records as described in 40 CFR 63.11125, as applicable (ARM 17.8.342 and 40 CFR 63, Subpart CCCCCC).

Reporting

N.4. Barretts shall comply with the applicable notification and reporting requirements of 40 CFR 63, Subpart CCCCCC (ARM 17.8.342 and 40 CFR 63, Subpart CCCCCC).

N.5. The annual compliance certification required by Section V.B must contain a certification statement for the above applicable requirements (ARM 17.8.1212).

N.6. The semiannual monitoring report shall provide a summary of results of any deviations from 40 CFR 63, Subpart CCCCCC (ARM 17.8.1212).

SECTION IV. NON-APPLICABLE REQUIREMENTS

Air Quality Administrative Rules of Montana (ARM) and Federal Regulations identified as not applicable to the facility or to a specific emissions unit at the time of the permit issuance are listed below (ARM 17.8.1214). The following list does not preclude the need to comply with any new requirements that may become applicable during the permit term.

A. Facility-Wide

Barretts did not submit a list of non-applicable requirements as part of their application for #OP1995-09. Therefore, this section does not apply.

Rule Citation		Reason
State	**Federal**	
N/A	N/A	N/A

B. Emission Units

The permit application did not identify non-applicable requirements for either the facility or for individual or specific emission units.

SECTION V. GENERAL PERMIT CONDITIONS

A. Compliance Requirements

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

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

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

3. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. If appropriate, this factor may be considered as a mitigating factor in assessing a penalty for noncompliance with an applicable requirement if the source demonstrates that both 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 with at the time of permit issuance shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it was based.

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

B. Certification Requirements

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

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

2. Compliance certifications shall be submitted by February 15 of each year, or more frequently if otherwise specified in an applicable requirement or elsewhere in the permit. Each certification must include the required information for the previous calendar year (i.e., January 1 – December 31).

3. Compliance certifications shall include the following:

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

   b. The identification of the method(s) or other means used by the owner or operator for determining the status of compliance with each term and condition during the certification period, consistent with ARM 17.8.1212;

   c. The status of compliance with each term and condition for the period covered by the certification, *including whether compliance during the period was continuous or intermittent* (based on the method or means identified in ARM 17.8.1213(7)(c)(ii), as described above); and

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

4. All compliance certifications must be submitted to the Environmental Protection Agency, as well as to the Department, at the addresses listed in the Notification Addresses Appendix B 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 precise 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, or revocation and 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; and

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 of an applicable requirement or permit term demonstrated pursuant to ARM 17.8.106, Source Testing Protocol.

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

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

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

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 measurement

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

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

2. The permittee shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, report, 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 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 maintained 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 located in the Notification Addresses Appendix C of this permit, reports of any required monitoring by February 15 and August 15 of each year, or more frequently if otherwise specified in an applicable requirement or elsewhere in the permit. The monitoring report submitted on February 15 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 August 15 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)(b)

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 to the Department within the following timeframes (unless otherwise specified in an applicable requirement):

1. For deviations which may result in emissions potentially in violation of permit limitations:

   a. An initial phone notification (or faxed or electronic notification) describing the incident within 24 hours (or the next business day) of discovery; and,

   b. A follow-up written, faxed, or electronic report within 30 days of discovery of the deviation that describes the probable cause of the reported deviation and any corrective actions or preventative measures taken.

2. For deviations attributable to malfunctions, deviations shall be reported to the Department in accordance with the malfunction reporting requirements under ARM 17.8.110; and

3. For all other deviations, deviations shall be reported to the Department via a written, faxed, or electronic report within 90 days of discovery (as determined through routine internal review by the permittee).

Prompt deviation reports do not need to be resubmitted with regular semiannual (or other routine) reports, but may be referenced by the date of submittal.

F. Emergency Provisions

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

1. An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation and causes the source to exceed a technology-based emission limitation under this permit due to the 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 preventive 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 logs, or other relevant evidence, that:

   a. An emergency occurred and 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)(b). 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 requirements 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 units, 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 workplace safety rules or requirements at the time of 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) and ARM 17.8, Subchapter 5, Air Quality Permit Application, Operation, and Open Burning Fees §505(3)-(5) (STATE ONLY)

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

2. Annually, the Department shall provide the permittee with written notice of the amount of the fee and the basis for the fee assessment. The air quality operation fee is due 30 days after receipt of the notice, unless the fee assessment is appealed pursuant to ARM 17.8.511. If any portion of the fee is not appealed, that portion of the fee that is not appealed is due 30 days after receipt of the notice. Any remaining fee, which may be due after the 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 of the due date of the fee, the Department may impose an 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, provided the following conditions are met:

   a. The proposed changes do not require the permittee to obtain an Montana Air Quality 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 this 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 emission units covered by the permit; and

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

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

3. Pursuant to the conditions above, the permittee is authorized to make Sec. 502(b)(10) changes, as defined in ARM 17.8.1201(30), 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 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 (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 that 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 permit modification need only address in detail those portions of the permit application that require revision, updating, supplementation or deletion.

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

L. Reopening for Cause

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

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

1. Additional applicable requirements under the FCAA become applicable to the facility when the permit has a remaining term of 3 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 or conditions have been extended pursuant to ARM 17.8.1220(12) or 17.8.1221(2);

2. Additional requirements (including excess emission requirements) become applicable to an affected source under the Acid Rain Program. Upon approval by the administrator, excess emission offset plans shall be deemed incorporated into the permit;

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

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

M. Permit Expiration and Renewal

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

1. This permit is issued for a fixed term of 5 years.

2. Renewal of this permit is subject to the same procedural requirements that apply to permit issuance, including those for application, 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 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 6 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 1 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 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 one 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 ARM17.8.1214 shall not 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. Motor Vehicles
ARM 17.8, Subchapter 3, Emission Standards §325

The permittee shall comply with ARM 17.8.325.

W. Annual Emissions Inventory
ARM 17.8, Subchapter 5, Air Quality Permit Application, Operation and Open Burning Fees §505 (STATE ONLY)

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

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

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

Y. Montana Air Quality Permits
ARM 17.8, Subchapter 7, Permit, Construction and Operation of Air Contaminant Sources §745 and 764

1. Except as specified, no person shall construct, install, modify 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 17.8.744(1)(a)-(k).

2. The permittee shall comply with ARM 17.8.743, 744, 745, 748, and 764.

3. ARM 17.8.745(1) specifies de minimis changes as construction or changed conditions of operation at a facility holding a Montana Air Quality Permit (MAQP) issued under Chapter 8 that does not increase the facility's potential to emit by more than 5 tons per year of any pollutant:

   a. Any construction or changed condition that would violate any condition in the facility's existing MAQP or any applicable rule contained in Chapter 8 is prohibited, except as provided in ARM 17.8.745(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 Montana Air Quality Permitting; or

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

4. Any facility making a de minimis change pursuant to ARM 17.8.745(1) shall notify the Department if the change would include a change in control equipment, stack height, stack diameter, 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 emission unit. The notice must be submitted, 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 17.8.745(1).

Z. National Emission Standard for Asbestos
40 CFR, Part 61, Subpart M

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

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

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

BB. Stratospheric Ozone Protection – Servicing of Motor Vehicle Air Conditioners
40 CFR, Part 82, Subpart B

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

CC. Stratospheric Ozone Protection – Recycling and Emission Reductions

40 CFR, Part 82, Subpart F

The permittee shall comply with the standards for recycling and emission reductions in 40 CFR 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; and

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

DD. Emergency Episode Plan

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

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

EE. Definitions

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

APPENDICES

APPENDIX A: INSIGNIFICANT EMISSION UNITS

APPENDIX B: DEFINITIONS & ABBREVIATIONS

APPENDIX C: NOTIFICATION ADDRESSES

APPENDIX D: AIR QUALITY INSPECTOR INFORMATION

APPENDIX E: POLLUTION CONTROL DEVICE OPERATION & MAINTENANCE PLAN

Appendix A INSIGNIFICANT EMISSION UNITS

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

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

List of Insignificant Activities:

The Insignificant activities from Barretts include emissions from the Supersucker Collection System, Fire Control Equipment, HVAC Maintenance, Janitorial Activities, Maintenance, Natural Gas Unit/Domestic Water Heater, Office/Laboratory Activities, and Pollution Control Equipment Maintenance. These units are insignificant because they emit less than 5 tons per year of any regulated pollutant. However, because there are not requirements to update such a list, the status of such emission units and/or activities may change.

Appendix B DEFINITIONS & ABBREVIATIONS

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

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

(a) Corrects typographical errors;

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

(c) Requires more frequent monitoring or reporting by Barretts;

(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 emission 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 Montana Air Quality Permit issued by the Department under Subchapters 7, 8, 9 and 10 of this chapter, or pursuant to regulations approved or promulgated through rule making under Title I of the FCAA, including parts C and D;

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

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

(e) Any standard or other requirement of the acid rain program under Title IV of the FCAA or regulations promulgated thereunder;
(f) Any requirements established pursuant to Sec. 7661c(b) or Sec. 7414(a)(3) of the FCAA;

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

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

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

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

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

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

"Excess Emissions" means any visible emissions from a stack or source, viewed during the visual surveys, that meets or exceeds 15% opacity (or 30% opacity if associated with a 40% opacity limit) during normal operating conditions.

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

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

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

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

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

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

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

(b) Any term, condition or other requirement contained in any Montana Air Quality Permit issued by the Department under Subchapters 7, 8, 9 and 10 of this chapter that is not federally enforceable;

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

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

"Regulated air pollutant" means the following:

(a) Nitrogen oxides or any volatile organic compounds;

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

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

(d) Any Class I or II substance subject to a standard promulgated under or established by Title VI of the FCAA; 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 in 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 in Sec. 7412(e) of the FCAA;

(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 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 this subchapter.

Abbreviations:

ARM	Administrative Rules of Montana
ASTM	American Society of Testing Materials
BACT	Best Available Control Technology
BTU	British Thermal Unit
CFR	Code of Federal Regulations
CO	carbon monoxide
DEQ	Department of Environmental Quality
dscf	dry standard cubic foot
dscfm	dry standard cubic foot per minute
EEAP	Emergency Episode Action Plan
EPA	U.S. Environmental Protection Agency
EPA Method	Test methods contained in 40 CFR 60, Appendix A
EU	emissions unit
FCAA	Federal Clean Air Act
gr	grains
GHG	Greenhouse Gas
HAP	hazardous air pollutant
IEU	insignificant emissions unit
MCA	Montana Code Annotated
Method 5	40 CFR 60, Appendix A, Method 5
Method 9	40 CFR 60, Appendix A, Method 9
MMBTU	million British Thermal Units
NESHAP	National Emission Standards for Hazardous Air Pollutants
NOx	oxides of nitrogen
NO_2	nitrogen dioxide
NSPS	Standards of Performance for New Stationary Source
O_2	oxygen
O_3	Ozone
Pb	lead
PM	particulate matter
PM_{10}	particulate matter with an aerodynamic diameter of ten microns or less
psi	pounds per square inch
RACT	Reasonably Available Control Technology
scf	standard cubic feet
SIC	Source Industrial Classification
SO_2	sulfur dioxide
SOx	oxides of sulfur
SSM	Start-Up, Shut-Down, and Malfunction
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
Air, Energy, & Mining Division
Air Quality Bureau
P.O. Box 200901
Helena, MT 59620-0901
DEQ-ARMB-Admin@mt.gov

United States EPA
Air Program Coordinator
Region VIII, Montana Office
10 W. 15th Street, Suite 3200
Helena, MT 59626

Permit Modifications:

Montana Department of Environmental Quality
Air, Energy, & Mining Division
Air Quality Bureau
P.O. Box 200901
Helena, MT 59620-0901
DEQ-ARMB-Admin@mt.gov

Office of Partnerships and Regulatory Assistance
Air and Radiation Program
US EPA Region VIII 8P-AR
1595 Wynkoop Street
Denver, CO 80202

Appendix D AIR QUALITY INSPECTOR INFORMATION

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

1. **Direction to Plant:** The facility is located in the East ½ of Section 17, Township 8 South, Range 9 West, in Beaverhead County, which is located approximately 7 miles south of Dillon, Montana, near Interstate 15. The facility is near the entrance to Beaverhead Canyon along the Beaverhead River.

2. **Safety Equipment Required:** Hard hat, steel-toed shoes/boots, and hearing protection are required at the facility. A detailed safety manual is available at the site, and a Barretts employee will conduct a safety briefing for any inspector prior to entering the plant area.

3. **Facility Plot Plan:** The facility plot plan was submitted as part of the original Title V permit application, submitted on March 29, 1995.

Appendix E POLLUTION CONTROL DEVICE OPERATION & MAINTENANCE PLAN

A. Initial Submittal

Barretts shall submit to the Department, no later than 60 days from the date the operating permit is deemed effective (hence, the initial plan was due March 12, 2000), a *Pollution Control Device Inspection and Maintenance Plan* (Plan). The Plan shall cover all pollution control devices in accordance with the operating permit.

Barretts shall implement the requirements of Section C of this Appendix no later than 60 days from the date the operating permit is deemed effective (hence, the initial plan was to be implemented no later than March 12, 2000).

B. Provisions For Changing the Plan

The requirements of Appendix E or the Plan may be changed if both Barretts and the Department mutually agree in writing to any changes. Changes to Appendix E or the Plan cannot be implemented until both Barretts and the Department agrees in writing.

C. Minimum Requirements for *Pollution Control Device Inspection and Maintenance Plan*

At a minimum, the Plan shall include the information outlined below unless otherwise approved in writing by the Department.

I. Pollution Control Device Equipment Information

For each pollution control device, Barretts shall provide the following information as applicable:

- X collector identification
- X plant location
- X point and equipment the collector controls
- X manufacturer
- X model number
- X serial number
- X rated capacity
- X airlock information
- X existence of magnahelic gages etc.
- X bag cleaning type (i.e. pulse-jet, reverse air, shaker)
- X number of bags or cartridges
- X bags or cartridge length
- X bag material
- X number of compartments per unit
- X air flow rate

X air to cloth ratios
X exit gas temperature

II. Schedule for Regular Inspection and Preventative Maintenance on All Pollution Control Devices.

A. Weekly

Barretts shall perform the following activities at least weekly.

1. check exhaust for excess visible emissions (during daylight hours)

2. if excess visible emissions are observed, Barretts actions shall include but are not limited to:
   a. check and record fabric pressure loss and fan static pressure or fan amps (if available);
   b. check compressed air system for air leakage (if applicable); and
   c. clean-up of material spilled, dumped, loose, etc.

B. Annually

The following inspections and preventative maintenance shall be performed at least once per calendar year. At minimum, the following items shall be inspected on each dust collector:

1. Collector Items
   a. ducting to fabric filter and ducting from fabric filter
   b. condition of exterior shell
   c. doors including seals
   d. hopper
   e. screw conveyor

2. Bag Cleaning System
   a. Pulse-Jet
      (1) inlet diffuser or blast plate
      (2) air pulse diaphragms
      (3) solenoid(s) that activate pulse-pipes (i.e. check that cleaning sequence and cycle times for proper valve and timer operation)
      (4) pulse-pipe alignment and clamps
      (5) compressed air lines including oilers and filters
   b. Shaker
      (1) shaker motors and shaker mechanisms
      (2) bag tension and bag suspension
      (3) inlet diffuser or blast plate
   c. Reverse Air
      (1) reverse air fan
      (2) dampers and damper drive systems (pistons, etc.)

(3) bag tension
(4) inlet diffuser or blast plate

3. Bags
   a. proper fastening, bag tension, hanging, and excess particle accumulation
   b. thoroughly inspect bags for possible leaks (e.g. tears, holes, and abrasions)

4. Fan Items
   a. fan(s) for corrosion and material buildup
   b. fan bearings
   c. bearing lubrication
   d. fan housing

5. Airlock
   a. rotary feeder rotor condition
   b. rotor bearing
   c. drive sprocket
   d. driven sprocket
   e. drive chain
   f. lubrication

6. Electrical/Instrumentation
   a. fan motor
   b. airlock motor
   c. magnahelic tubing and enclosures (where applicable)

III. Documentation

A. Weekly Observations

Barretts shall record the identification information for the dust collector, the date and time of inspection, the inspector(s) name(s), if excess visible emissions are observed. If excess visible emissions are observed, the corrective action taken shall be recorded.

B. Annual Inspections

Barretts shall record the identification information for the dust collector, the date of inspection, the inspector(s) name(s), and the items inspected for each piece of pollution control equipment. The report shall state whether maintenance or repairs were warranted. If maintenance is performed, Barretts shall record the date(s) of the maintenance activity and the item(s) repaired or replaced.

C. Component Failure Records

Barretts shall keep records of component failure that are discovered during weekly or annual inspections or that become apparent at any other time. The action taken upon discovery of a component failure shall be recorded.

D. Record Retention

Pursuant to ARM 17.8.1212(2)(b), Barretts shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application.