

DRAFT PERMIT

Comment [COMMENT1]: ALT-F5, G, E expands permit for final printout

PERMIT NO: 95FR803

INITIAL APPROVAL MODIFICATION - 4

DATE ISSUED: MAY 2, 2002

ISSUED TO: COTTER CORPORATION

THE SOURCE TO WHICH THIS PERMIT APPLIES IS DESCRIBED AND LOCATED AS FOLLOWS:

Mineral milling facility, known as **Canon City Mill**, located at 0502 County Road 68, in Section 16, Township 19 South, Range 70 West, southwest of Canon City, in Fremont County, Colorado.

THE SPECIFIC EQUIPMENT OR ACTIVITY SUBJECT TO THIS PERMIT INCLUDES THE FOLLOWING:

This is a facility-wide permit covering all equipment / activities at this facility. Details of equipment / activities are given in Attachment A.

THIS PERMIT IS GRANTED SUBJECT TO ALL RULES AND REGULATIONS OF THE COLORADO AIR QUALITY CONTROL COMMISSION AND THE COLORADO AIR POLLUTION PREVENTION AND CONTROL ACT C.R.S. (25-7-101 et seq), TO THOSE GENERAL TERMS AND CONDITIONS INCLUDED IN THIS DOCUMENT AND THE FOLLOWING SPECIFIC TERMS AND CONDITIONS:

1. With the commencement of operation under this permit (Modification-3) all previous versions of this permit stand canceled. The permittee shall notify the Division within ten (10) days of such commencement.
2. Visible emissions shall not exceed twenty percent (20%) opacity during normal operation of the source. During periods of startup, process modification, or adjustment of control equipment visible emissions shall not exceed 30% opacity for more than six minutes in any sixty consecutive minutes. Opacity shall be measured by EPA Method 9. (Reference: Regulation 1, Section II.A.1.& 4.)
3. AIRS ID numbers (for example, AIRS ID: 046) shall be marked on the subject equipment for ease of identification. (Reference: Reg. 3, Part B, IV.E.) (State only enforceable)
4. This source is subject to the odor requirements of Regulation No. 2. (State only enforceable)

Comment [COMMENT2]: NOTE: ALT-C Adds conditions, (Standard condition 0 allows you to create a non-standard condition). Before you finish you MUST use the 'Regenerate' option of ALT-C at least once (Even with canned permits). Use Shift-F7 to print draft permit, and PRINTPMT to print final copy.

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5. Construction for modification / addition of emission sources noted as to be modified or to be constructed must commence within 18 months of this initial approval permit issuance date or within 18 months of the date on which such construction or activity was scheduled to commence as stated in the application. If commencement does not occur within the stated time the permit will expire on AUGUST 6, 2002
(See General Condition No. 6., Item 1.) (Reference: Regulation 3, Part B, IV.G.4.)
6. The manufacturer, model number and serial number of the subject equipment shall be provided to the Division prior to Final Approval. (Reference: Reg. 3, Part B, IV. E.)
7. Within one hundred and eighty days (180) after commencement of operation of emission sources addressed in this modification, compliance with the conditions contained on this permit shall be demonstrated to the Division. Timeframe/s for demonstration of compliance for other sources does not change. It is the permittee's responsibility to self certify compliance with the conditions. Failure to demonstrate compliance within 180 days may result in revocation of the permit. (Information on how to certify compliance was mailed with the permit or can be obtained from the Division at 303-692-3209.)
8. Prevention of Significant Deterioration (PSD) requirements shall apply to this source at any such time that this source becomes major solely by virtue of a relaxation in any permit condition. Any relaxation that increases the potential to emit above the applicable PSD threshold will require a full PSD review of the source as though construction had not yet commenced on the source. The source shall not exceed the PSD threshold until a PSD permit is granted. (Reference: Reg.3, Part B, IV.D.3.b.(iv))
9. This facility's throughput / consumption of materials shall be limited by the emission limits specified in this permit, throughput / consumption of individual equipment / activities as specified in Attachment A, and all other activities, operational rates and numbers of equipment as stated in the application. Monthly records of the actual production rate shall be maintained by the applicant and made available to the Division for inspection upon request. An example format for such records is given in Attachment B. (Reference: Regulation 3, Part B, III.A.4)

Compliance with the yearly production limits shall be determined on a rolling twelve (12) month total.
10. The particulate emission control measures listed on Attachment C (as approved by the Division) shall be applied to the particulate emission producing sources as required by Regulation No. 1, Section III.D.1.b.

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11. Source compliance tests on emission sources noted as compliance test on Attachment A, shall be conducted to measure the emission rate(s) for the pollutants listed below in order to show compliance with emission limits, to demonstrate the performance of the emission control devices, and to calibrate and certify the continuous emission monitor/s. The test protocol must be in accordance with the requirements of the Air Pollution Control Division Compliance test Manual and shall be submitted to the Division for review and approval at least thirty (30) days prior to testing. No compliance test shall be conducted without prior approval from the Division. Any stack test conducted to show compliance with a monthly or annual emission limitation shall have the results projected up to the monthly or annual averaging time by multiplying the test results by the allowable number of operating hours for that averaging time (Reference: Regulation 3, Part B.IV.H.3)

- Particulate Matter using EPA approved methods.
- Oxides of Nitrogen using EPA approved methods.
- Carbon Monoxide using EPA approved methods.
- Sulfuric Acid Mist

12. At least thirty (30) days prior to first test, the applicant shall submit to the Division for approval an operating and maintenance plan for all control equipment and control practices, and a proposed record keeping format that will outline how the applicant will maintain compliance on an ongoing basis with the requirements of this permit. (Reference: Reg. 3, Part B,IV.B.2)

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13. Emissions of air pollutants shall not exceed the following limitations (as calculated in the Division's preliminary analysis). Compliance with the annual limits shall be determined on a rolling (12) month total. By the end of each month a new twelve month total is calculated based on the previous twelve months= data. The permit holder shall calculate monthly emissions and keep a compliance record on site for Division review. (Reference: Regulation 3, Part B, III.A.4)

Particulate Matter:	32.4 tons per quarter and 128.6 tons per year
PM ₁₀ (Particulate Matter<10 μm):	31.5 tons per quarter and 125.0 tons per year
Particulate Matter-Fugitive:	5.4 tons per quarter and 21.2 tons per year
PM ₁₀ (Particulate Matter<10 μm)-Fug.:	2.9 tons per quarter and 11.2 tons per year
Sulfur Dioxide:	4.9 tons per quarter and 19.3 tons per year
Nitrogen Oxides:	20.4 tons per quarter and 81.4 tons per year
Volatile Organic Compounds:	22.5 tons per quarter and 89.6 tons per year
Carbon Monoxide:	16.8 tons per quarter and 67.0 tons per year
Sulfuric Acid Mist:	12.0 tons per quarter and 47.0 tons per year

During the first twelve (12) months of operation, compliance with both the quarterly and yearly emission limitations shall be required. After the first twelve (12) months of operation, compliance with only the yearly limitation shall be required.

These emission limits are based on conservative estimates of emissions. They shall be revised downwards based on the compliance tests with a 10 % cushion for process or control variations.

14. Specific equipment / operations as indicated on Attachment A are subject to Regulation No. 6 - Standards of Performance for New Stationary Sources, Part A - Federal Register Regulations Adopted By Reference, Subpart LL - Standards of Performance for Metallic Mineral Processing Plants, including, but not limited to, the following:
- a. Stack emissions discharged into the atmosphere from any transfer point on belt conveyors, or from any building enclosing any transfer point on a conveyor belt or any other affected facility, or from any other affected facility shall not contain particulate matter in excess of 0.05 gram per dry standard cubic meter, and shall not exhibit opacity greater than 7 percent.
 - b. Process fugitive emissions discharged into the atmosphere shall not exhibit greater than 10 % opacity.

In addition, the following requirements of Regulation No. 6, Part A, Subpart A, General Provisions, apply.

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- a. At all times, including periods of start-up, shutdown, and malfunction, the facility and control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practices for minimizing emissions. Determination of whether or not acceptable operating and maintenance procedures are being used will be based on information available to the Division, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. (Reference: Regulation 6, Part A. General Provisions from 40CFR60.11)
- b. No article, machine, equipment or process shall be used to conceal an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. (' 60.12)
- c. Written notification of construction and initial startup dates shall be submitted to the Division as required under ' 60.7.
- d. Records of startups, shutdowns, and malfunctions shall be maintained, as required under ' 60.7.
- e. Written notification of opacity observation or monitor demonstrations shall be submitted to the Division as required under ' 60.7.
- f. Performance tests shall be conducted as required under ' 60.8.
- g. Compliance with opacity standards shall be demonstrated according to ' 60.11.

A copy of the complete applicable subpart(s) is attached.

As long as this facility is used for processing of ore for extraction / purification of zirconia and / or silica, exemption available for uranium ore processing plants shall not be claimed.

15. This manufacturing facility is subject to Regulation No. 6 - Standards of Performance for New Stationary Sources, Part B - Specific Facilities and Sources, Non-Federal NSPS,

Section II - Standards of Performance for New Fuel-Burning Equipment
Section III - Standards of Performance for New Manufacturing Processes.
16. The fusion kiln referenced under AIRS ID: 061 shall be equipped with a continuous emission monitoring system, to measure and record the opacity of the emissions. The system shall conform to the provisions specified in 40 CFR Part 60, Appendix F and Subpart A - General Provisions. This monitoring system shall be operational at the time commencement of operation occurs.

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17. A revised Air Pollutant Emission Notice (APEN) shall be filed: (Reference: Reg.3, Part A,II.C)
- a. Annually whenever a significant increase in emissions occurs as follows:
 - For any criteria pollutant:**
 - For sources emitting **less than 100 tons per year**, a change in actual emissions of five tons per year or more, above the level reported on the last APEN; or
 - For sources emitting **100 tons per year or more**, a change in actual emissions of five percent or 50 tons per year or more, whichever is less, above the level reported on the last APEN submitted;
 - For any non-criteria reportable pollutant:**
 - If the emissions increase by 50% or five (5) tons per year, whichever is less, above the level reported on the last APEN submitted to the Division.
 - b. Whenever there is a change in the owner or operator of any facility, process, or activity; or
 - c. Whenever new control equipment is installed, or whenever a different type of control equipment replaces an existing type of control equipment; or
 - d. Whenever a permit limitation must be modified; or
 - e. No later than 30 days before the existing APEN expires.
18. This facility is subject to Regulation No. 8 - The Control of Hazardous Air Pollutants, Part A - Federal NESHAPS Adopted By Reference, Subpart W - National Emission Standards for Radon Emission from Operating Mill Tailings.

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Ram N. Seetharam
Permit Reviewer

James S. Geier P.E.
Unit Leader

Initial Approval: August 26, 1997

Pertained to: Cancellation of all previous permits / exemptions for emission sources at this facility. Processed as a Synthetic Minor Source (for Operating Permit under Title V of CAAA) permit.

Modification-1: August 4, 1999

Pertained to: Several corrections. Deletion of hourly emission limits.

Modification-2: February 6, 2001

Pertained to: Modification of the facility (addition of several pieces of equipment and modification of some existing equipment) for processing of Caldasite ore for recovery and purification of Zirconia / Silica and Uranium values.

Modification-3: June 7, 2001

Pertained to: use of fuel oil in boilers (AIRS ID: 001 and 002) as an alternative fuel instead of emergency back up fuel.

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<u>ATTACHMENT A</u>		
DETAILS OF EQUIPMENT / ACTIVITIES COVERED UNDER THIS FACILITY-WIDE PERMIT		
AIRS ID	DESCRIPTION MAKE, MODEL, SERIAL NUMBER, DESIGN RATE, CAPACITY, DIMENSIONS, CONSTRUCTION DETAILS, CONSUMPTION, THROUGHPUT, EMISSION CONTROLS, EMISSIONS	REMARKS / SPECIFIC PROVISIONS
	BOILERS: THESE BOILERS SUPPORT THE VARIOUS PROCESSES AT THIS FACILITY.	
001	CLEAVER-BROOKS, MODEL AND S/N: NOT AVAILABLE, BOILER, HEAT INPUT RATED AT 32,000,000 BTU PER HOUR. NATURAL GAS IS USED. DISTILLATE FUEL OIL (KEROSENE OIL) IS USED AS AN ALTERNATIVE FUEL. THIS IS IDENTIFIED AS CLEAVER BROOKS BOILER #1 (STACK: A1) PROCESS RATE LIMITS: NATURAL GAS: 280,300,000 SCF PER YEAR DISTILLATE FUEL OIL: 242,000 GALLONS PER YEAR	COMPLIANCE PLAN. LOW SULFUR FUEL OIL. CONSTRUCTION PRIOR TO EFFECTIVE DATE FOR NSPS, Dc, AND NO MODIFICATION.
002	CLEAVER-BROOKS, MODEL AND S/N: NOT AVAILABLE, BOILER, HEAT INPUT RATED AT 32,000,000 BTU PER HOUR. NATURAL GAS IS USED. DISTILLATE FUEL OIL (KEROSENE OIL) IS USED AS AN ALTERNATIVE FUEL. THIS IS IDENTIFIED AS CLEAVER BROOKS BOILER #2 (STACK: A2) PROCESS RATE LIMITS: NATURAL GAS: 280,300,000 SCF PER YEAR DISTILLATE FUEL OIL: 242,000 GALLONS PER YEAR	COMPLIANCE PLAN. LOW SULFUR FUEL OIL. CONSTRUCTION PRIOR TO EFFECTIVE DATE FOR NSPS, Dc, AND NO MODIFICATION.
031	AMESTEAM, MODEL AND S/N: NOT AVAILABLE, NATURAL GAS FIRED BOILER, HEAT INPUT RATED AT 8,000,000 BTU PER HOUR. THIS IS IDENTIFIED AS AMESTEAM BOILER (STACK: A3) PROCESS RATE LIMITS: NATURAL GAS: 70,000,000 SCF PER YEAR	COMPLIANCE PLAN.
ATTACHMENT A CONTINUED...		
	RAW MATERIALS RECEIVING (UNLOADING)	
021	UNLOADING OF ORE FROM RAILCARS TO HOPPER. (STACK: A4) PROCESS RATE LIMITS: ORE RECEIVED (UNLOADED): 1,000,000 TONS PER YEAR EMISSION LIMITS: PARTICULATE MATTER: 5.3 TONS PER YEAR	CHANGES NOT TO TRIGGER NSPS, LL. COMPLIANCE PLAN. CONSTRUCTED PRIOR TO EFFECTIVE DATE FOR NSPS, LL. OVERALL CONTROL EFFICIENCY OF 84.2 % FOR PM-10.

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	PM-10: 5.2 TONS PER YEAR EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, FABRIC FILTER BAGHOUSE ON THE EXHAUST. A NEGATIVE PRESSURE IS MAINTAINED TO MINIMIZE UNCAPTURED EMISSIONS. A CAPTURE EFFICIENCY OF 85 % IS ESTIMATED.	
044	UNLOADING OF ORE FROM RAILCARS TO FRONT END LOADER AREA, AND RELATED ACTIVITIES. (STACK: A5) PROCESS RATE LIMITS: ORE RECEIVED (UNLOADED): 250,000 TONS PER YEAR. EMISSION LIMITS: PARTICULATE MATTER: 5.2 TONS PER YEAR PM-10: 4.8 TONS PER YEAR EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY PARTIAL ENCLOSURE, AND USE OF WATER SPRAYS.	TO BE MODIFIED. COMPLIANCE PLAN. SUBJECT TO NSPS, LL OVERALL CONTROL EFFICIENCY OF 42.5 % FOR PM-10.
ATTACHMENT A CONTINUED...		
045	MISCELLANEOUS RAILCAR UNLOADING. (STACK: A6) PROCESS RATE LIMITS: SALT ORE UNLOADED: 250,000 TONS PER YEAR. EMISSION LIMITS: PARTICULATE MATTER: 0.6 TON PER YEAR PM-10: 0.6 TON PER YEAR EMISSIONS OF PARTICULATE MATTER CONTROLLED BY PARTIAL ENCLOSURE AND WATER SPRAYS.	TO BE MODIFIED. COMPLIANCE PLAN. SUBJECT TO NSPS, LL. EMISSION FACTOR ESTIMATION CONSIDERS APPLICATION OF WATER AS MOISTURE. NO SEPARATE CONTROL EFFICIENCY FOR WATER SPRAY IS CONSIDERED.
058	ORE AND MATERIAL RECEIVING BY TRUCKS. MATERIALS HANDLING AND TRUCK HAULAGE. (STACK: A27). PROCESS RATE LIMITS: TOTAL MATERIAL HANDLED: 125,000 TONS PER YEAR	

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	VEHICLE-MILE TRAVELED: 9,882 PER YEAR EMISSION LIMITS: PARTICULATE MATTER - FUGITIVE: 18.1 TONS PER YEAR PM-10: 9.1 TONS PER YEAR MATERIAL SURFACE MOISTURE FOR REDUCING EMISSIONS	
069	BAG (SALT AND SODA) OPENING AND EMPTYING INTO FEED HOPPER. (IDENTIFIED AS _____) PROCESS RATE LIMITS: DRY PRODUCT HANDLED: 1,200 TONS PER YEAR EMISSION LIMITS: PARTICULATE MATTER: 0.41 TON PER YEAR PM-10: 0.41 TON PER YEAR EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY ENCLOSURE AND FABRIC FILTER BAGHOUSE.	TO BE CONSTRUCTED
ATTACHMENT A CONTINUED...		
	<u>CRUSHING, HANDLING, AND TRANSFERS (ORE HANDLING):</u>	
042	ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, ORE CRUSHER, DESIGN RATED AT 250 TONS PER HOUR, FOR CRUSHING OF ORE. (STACK: A7) HANDLING OF ORE INTO AND OUT OF THE STOCKPILES. TWO (2) CONVEYOR TRANSFERS. PROCESS RATE LIMITS: ORE HANDLED AND CRUSHED: 250,000 TONS PER YEAR. EMISSION LIMITS: PARTICULATE MATTER: 0.2 TON PER YEAR PM-10: 0.2 TON PER YEAR PARTICULATE MATTER-FUGITIVE: 1.2 TONS PER YEAR PM-10 - FUGITIVE: 0.6 TON PER YEAR PARTICULATE MATTER EMISSIONS FROM CRUSHER AND CONVEYOR TRANSFERS	TO BE MODIFIED. COMPLIANCE PLAN. COMPLIANCE TEST. SUBJECT TO NSPS, LL. OVERALL (BAGHOUSE) CONTROL EFFICIENCY FOR PM-10: 95 %. MATERIAL MOISTURE TO MINIMIZE EMISSIONS OF FUGITIVE PARTICULATE MATTER.

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	ARE CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, FABRIC FILTER BAGHOUSE.	
046	PRIMARY CRUSHER SURGE BIN (TRANSFERS) PRODUCT FROM PRIMARY CRUSHER (STACK: A7) IS STORED IN THIS DAY BIN PRIOR TO FEEDING FOR FURTHER PROCESSING. (STACK A8) PROCESS RATE LIMITS: MATERIAL TRANSFERRED: 250,000 TONS PER YEAR EMISSION LIMITS: PARTICULATE MATTER: 6.4 TONS PER YEAR PM-10: 6.4 TONS PER YEAR EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, FABRIC FILTER BAGHOUSE, WITH AN AIRFLOW OF 8,447 SCFM, AND GUARANTEED OUTLET CONCENTRATION OF LESS THAN 0.02 GRAIN PER DSCF.	CHANGES NOT TO TRIGGER NSPS, LL. COMPLIANCE PLAN. COMPLIANCE TEST. CONSTRUCTED PRIOR TO EFFECTIVE DATE FOR NSPS, LL.
ATTACHMENT CONTINUED...		
047	PRIMARY CRUSHER SURGE BIN VENT. (STACK: A30 (E5)) PROCESS RATE LIMITS: MATERIAL TRANSFERRED: 511,365 TONS PER YEAR EMISSION LIMITS: PARTICULATE MATTER: 0.3 TON PER YEAR PM-10: 0.3 TON PER YEAR EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, FABRIC FILTER BAGHOUSE, WITH AN AIRFLOW OF 200 SCFM, AND GUARANTEED OUTLET CONCENTRATION OF LESS THAN 0.02 GRAIN PER DSCF.	TO BE MODIFIED. COMPLIANCE PLAN. SUBJECT TO NSPS, LL.
048	SECONDARY CRUSHER FEED. (STACK: A9) PROCESS RATE LIMITS: MATERIAL TRANSFERRED: 2,045,460 TONS PER YEAR	CHANGES NOT TO TRIGGER NSPS, LL COMPLIANCE PLAN. COMPLIANCE TEST.

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	EMISSION LIMITS: PARTICULATE MATTER: 4.1 TONS PER YEAR PM-10: 4.1 TONS PER YEAR EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, FABRIC FILTER BAGHOUSE, WITH AN AIRFLOW OF 10,917 SCFM, AND A GUARANTEED GRAIN LOADING OF LESS THAN 0.01 GRAIN PER DSCF.	CONSTRUCTED PRIOR TO EFFECTIVE DATE FOR NSPS, LL.
ATTACHMENT A CONTINUED...		
020	ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, ORE CRUSHER, DESIGN RATED AT 250 TONS PER HOUR, FOR SECONDARY CRUSHING OF ORE. (STACK: A10) PROCESS RATE LIMITS: MATERIAL CRUSHED: 2,045,460 TONS PER YEAR EMISSION LIMITS: PARTICULATE MATTER: 3.4 TONS PER YEAR PM-10: 3.4 TONS EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, FABRIC FILTER BAGHOUSE, WITH AN AIRFLOW OF 8,941 SCFM, AND A GUARANTEED GRAIN LOADING OF LESS THAN 0.01 GRAIN PER DSCF.	CHANGES NOT TO TRIGGER NSPS, LL COMPLIANCE PLAN. COMPLIANCE TEST. CONSTRUCTED PRIOR TO THE EFFECTIVE DATE FOR NSPS, LL.
049	BIN #1 VENT (STACK: A11) PROCESS RATE LIMITS: MATERIAL HANDLED: 511,365 TONS PER YEAR EMISSION LIMITS: PARTICULATE MATTER: 0.3 TON PER YEAR PM-10: 0.3 TON PER YEAR EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, FABRIC FILTER BAGHOUSE, WITH AN AIRFLOW OF 200 SCFM, AND A GUARANTEED GRAIN LOADING OF LESS THAN 0.02 GRAIN PER DSCF.	CHANGES NOT TO TRIGGER NSPS, LL COMPLIANCE PLAN. CONSTRUCTED PRIOR TO THE EFFECTIVE DATE FOR NSPS, LL

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ATTACHMENT A CONTINUED...		
050	BIN #2 VENT (STACK: A12) PROCESS RATE LIMITS: MATERIAL HANDLED: 511,365 TONS PER YEAR EMISSION LIMITS: PARTICULATE MATTER: 0.3 TON PER YEAR PM-10: 0.3 TON PER YEAR EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, FABRIC FILTER BAGHOUSE, WITH AN AIRFLOW OF 200 SCFM, AND A GUARANTEED GRAIN LOADING OF LESS THAN 0.02 GRAIN PER DSCF.	CHANGES NOT TO TRIGGER NSPS, LL COMPLIANCE PLAN. CONSTRUCTED PRIOR TO THE EFFECTIVE DATE FOR NSPS, LL
051	BIN #3 VENT (STACK: A13) PROCESS RATE LIMITS: MATERIAL HANDLED: 511,365 TONS PER YEAR EMISSION LIMITS: PARTICULATE MATTER: 0.3 TON PER YEAR PM-10: 0.3 TON PER YEAR EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, FABRIC FILTER BAGHOUSE, WITH AN AIRFLOW OF 200 SCFM, AND A GUARANTEED GRAIN LOADING OF LESS THAN 0.02 GRAIN PER DSCF.	CHANGES NOT TO TRIGGER NSPS, LL COMPLIANCE PLAN. CONSTRUCTED PRIOR TO THE EFFECTIVE DATE FOR NSPS, LL
ATTACHMENT CONTINUED...		
052	BIN #4 VENT (STACK: A14) PROCESS RATE LIMITS: MATERIAL HANDLED: 511,365 TONS PER YEAR	CHANGES NOT TO TRIGGER NSPS, LL COMPLIANCE PLAN. CONSTRUCTED PRIOR TO THE EFFECTIVE DATE FOR NSPS, LL

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	<p>EMISSION LIMITS:</p> <p>PARTICULATE MATTER: 0.3 TON PER YEAR PM-10: 0.3 TON PER YEAR</p> <p>EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, FABRIC FILTER BAGHOUSE, WITH AN AIRFLOW OF 200 SCFM, AND A GUARANTEED GRAIN LOADING OF LESS THAN 0.02 GRAIN PER DSCF.</p>	
025	<p>FINE ORE BLENDING (STACK: A15)</p> <p>PROCESS RATE LIMITS:</p> <p>FINE ORE BLENDED: 438,000 TONS PER YEAR</p> <p>EMISSION LIMITS:</p> <p>PARTICULATE MATTER: 7.3 TONS PER YEAR PM-10: 7.3 TONS PER YEAR</p> <p>EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, FABRIC FILTER BAGHOUSE, WITH AN AIRFLOW OF 9,706 SCFM, AND A GUARANTEED GRAIN LOADING OF LESS THAN 0.02 GRAIN PER DSCF.</p>	<p>CHANGES NOT TO TRIGGER NSPS, LL COMPLIANCE PLAN.</p> <p>COMPLIANCE TEST.</p> <p>CONSTRUCTED PRIOR THE EFFECTIVE DATE FOR NSPS, LL.</p>
ATTACHMENT CONTINUED...		
	<u>ADDITIVES STORAGE AND HANDLING</u>	
030	<p>40-TON DRY PRODUCT BIN (SX) (STACK: A16)</p> <p>PROCESS RATE LIMITS:</p> <p>TOTAL MATERIALS HANDLED: 20,000 TONS PER YEAR</p> <p>EMISSION LIMITS:</p> <p>PARTICULATE MATTER: 2.6 TONS PER YEAR PM-10: 2.6 TONS PER YEAR</p> <p>EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, FILTER.</p>	<p>SOUTH OF BUILDING B12</p> <p>TO BE MODIFIED.</p> <p>COMPLIANCE PLAN</p>

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 PERMIT**

COTTER CORPORATION, Canon City Mill - Mineral milling facility
 Permit No. 95FR803
 Initial Approval - Modification-4

<u>ATTACHMENT A</u>		
DETAILS OF EQUIPMENT / ACTIVITIES COVERED UNDER THIS FACILITY-WIDE PERMIT		
AIRS ID	DESCRIPTION MAKE, MODEL, SERIAL NUMBER, DESIGN RATE, CAPACITY, DIMENSIONS, CONSTRUCTION DETAILS, CONSUMPTION, THROUGHPUT, EMISSION CONTROLS, EMISSIONS	REMARKS / SPECIFIC PROVISIONS
053	50-TON DRY PRODUCT BIN (STACK: A17) PROCESS RATE LIMITS: TOTAL MATERIALS HANDLED: 10,000 TONS PER YEAR EMISSION LIMITS: PARTICULATE MATTER: 1.3 TONS PER YEAR PM-10: 1.3 TONS PER YEAR EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, FILTER.	SOUTH OF BUILDING B13 TO BE MODIFIED. COMPLIANCE PLAN
ATTACHMENT A CONTINUED...		
054	LARGE DRY PRODUCT BIN AND HANDLING. TRANSFERS, HAULAGE BY TRUCKS FROM STOCKPILE TO SILO ON PAVED AND UNPAVED HAUL ROADS. (STACK: A18) PROCESS RATE LIMITS: TOTAL QUANTITY OF MATERIAL HANDLED: 50,000 TONS PER YEAR EMISSION LIMITS: PARTICULATE MATTER: 0.6 TON PER YEAR PM-10: 0.6 TON PER YEAR PARTICULATE MATTER - FUGITIVE: 1.6 TONS PER YEAR PM-10 - FUGITIVE: 1.6 TONS PER YEAR STACK EMISSION OF PARTICULATE MATTER CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, FABRIC FILTER BAGHOUSE. FUGITIVE EMISSIONS OF PARTICULATE MATTER CONTROLLED BY DUST CONTROL MEASURES.	LOCATED IN BUILDING B12. TO BE MODIFIED. COMPLIANCE PLAN.
	<u>PRODUCT BARRELING (CALCINER)</u>	
055	ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, EQUIPMENT FOR BARRELING OF PRODUCT. (STACK: A19) PROCESS RATE LIMITS: QUANTITY OF MATERIAL PACKAGED: TONS PER YEAR	TO BE MODIFIED COMPLIANCE PLAN. COMPLIANCE TEST.

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<u>ATTACHMENT A</u>		
DETAILS OF EQUIPMENT / ACTIVITIES COVERED UNDER THIS FACILITY-WIDE PERMIT		
AIRS ID	DESCRIPTION MAKE, MODEL, SERIAL NUMBER, DESIGN RATE, CAPACITY, DIMENSIONS, CONSTRUCTION DETAILS, CONSUMPTION, THROUGHPUT, EMISSION CONTROLS, EMISSIONS	REMARKS / SPECIFIC PROVISIONS
	<p>EMISSION LIMITS:</p> <p>PARTICULATE MATTER: 0.6 TON PER YEAR PM-10: 0.6 TON PER YEAR</p> <p>EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, FABRIC FILTER BAGHOUSE, WITH AN AIRFLOW OF 7,010 SCFM, AND A GUARANTEED GRAIN LOADING OF LESS THAN 0.001 GRAIN PER DSCF.</p>	
ATTACHMENT A CONTINUED...		
<u>THERMAL TREATMENT OF PRODUCT PRECIPITATE CAKE</u>		
011	<p>ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, NATURAL GAS FIRED, FOR CALCINATION OF PRODUCT PRECIPITATE CAKE, HEAT INPUT RATED AT 1,680,000 BTU PER HOUR. (STACK: A20)</p> <p>PROCESS RATE LIMITS:</p> <p>QUANTITY OF MATERIAL PROCESSED (PRODUCT BASIS): TONS PER YEAR</p> <p>EMISSION LIMITS:</p> <p>PARTICULATE MATTER: 5.9 TONS PER YEAR PM-10: 5.9 TONS PER YEAR NITROGEN OXIDES: 0.8 TON PER YEAR CARBON MONOXIDE: 0.7 TON PER YEAR</p> <p>EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, VENTURI SCRUBBER. GAS FLOW RATE: 1,870 SCFM</p>	<p>TO BE MODIFIED.</p> <p>COMPLIANCE PLAN.</p> <p>COMPLIANCE TEST.</p>
010	<p>ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, NATURAL GAS FIRED, DECOMPOSITION KILN, HEAT INPUT RATED AT 4,883,000 BTU PER HOUR (STACK: A21)</p> <p>PROCESS RATE LIMITS:</p> <p>MATERIAL PROCESSED: 18,396 TONS PER YEAR</p> <p>EMISSION LIMITS:</p> <p>PARTICULATE MATTER: 9.2 TONS PER YEAR PM-10: 9.2 TONS PER YEAR</p>	<p>TO BE MODIFIED.</p> <p>COMPLIANCE PLAN.</p> <p>COMPLIANCE TEST.</p>

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<u>ATTACHMENT A</u>		
DETAILS OF EQUIPMENT / ACTIVITIES COVERED UNDER THIS FACILITY-WIDE PERMIT		
AIRS ID	DESCRIPTION MAKE, MODEL, SERIAL NUMBER, DESIGN RATE, CAPACITY, DIMENSIONS, CONSTRUCTION DETAILS, CONSUMPTION, THROUGHPUT, EMISSION CONTROLS, EMISSIONS	REMARKS / SPECIFIC PROVISIONS
	NITROGEN OXIDES: 2.2 TONS PER YEAR CARBON MONOXIDE: 1.8 TONS PER YEAR EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY TWO (2) MAKE, MODEL, AND S/N: NOT AVAILABLE, FABRIC FILTER BAGHOUSES, AND TWO (2) MAKE, MODEL, AND S/N: NOT AVAILABLE, PACKED BED SCRUBBERS.	
ATTACHMENT A CONTINUED...		
056	ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, NATURAL GAS FIRED, FUSION FURNACE, HEAT INPUT RATED AT 1,700,000 BTU PER HOUR. (STACK: A22) PROCESS RATE LIMITS: MATERIAL PROCESSED: 1,200 TONS PER YEAR EMISSION LIMITS: PARTICULATE MATTER: 5.4 TONS PER YEAR PM-10: 5.4 TONS PER YEAR SULFUR DIOXIDE: 12.0 TONS PER YEAR NITROGEN OXIDES: 0.8 TON PER YEAR CARBON MONOXIDE: 0.7 TON PER YEAR EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY TWO (2) MAKE, MODEL, AND S/N: NOT AVAILABLE, FABRIC FILTER BAGHOUSES, WITH A TOTAL FLOW RATE OF 7,000 SCFM, AND A GUARANTEED GRAIN LOADING OF LESS THAN 0.02 GRAIN PER DSCF. EMISSIONS OF SULFUR DIOXIDES ARE CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, PACKED BED SCRUBBERS. CONTROL EFFICIENCY IS AT LEAST 90 %	TO BE MODIFIED. COMPLIANCE PLAN. COMPLIANCE TEST.
039	ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, NATURAL GAS FIRED, HOLOFLITE PROCESS DRYER, HEAT INPUT RATED AT 5,500,000 BTU PER HOUR. (STACK: A23) PROCESS RATE LIMITS: MATERIAL PROCESSED: 27,375 TONS PER YEAR (DRY) EMISSION LIMITS: PARTICULATE MATTER 2.0 TONS PER YEAR PM-10: 2.0 TONS PER YEAR NITROGEN OXIDES: 2.5 TONS PER YEAR	TO BE MODIFIED. COMPLIANCE PLAN. COMPLIANCE TEST.

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<u>ATTACHMENT A</u>		
DETAILS OF EQUIPMENT / ACTIVITIES COVERED UNDER THIS FACILITY-WIDE PERMIT		
AIRS ID	DESCRIPTION MAKE, MODEL, SERIAL NUMBER, DESIGN RATE, CAPACITY, DIMENSIONS, CONSTRUCTION DETAILS, CONSUMPTION, THROUGHPUT, EMISSION CONTROLS, EMISSIONS	REMARKS / SPECIFIC PROVISIONS
	CARBON MONOXIDE: 2.1 TONS PER YEAR EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, VENTURI SCRUBBER.	
ATTACHMENT A CONTINUED...		
061	ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, NATURAL GAS FIRED, ROTARY KILN FOR FUSION OF ORE AND ADDITIVES IN THE FORM OF BRIQUETTES, HEAT INPUT RATED AT 60,000,000 BTU PER HOUR. (STACK: A31 (N1)) PROCESS RATE LIMITS: MATERIAL PROCESSED: 72,708 TONS PER YEAR EMISSION LIMITS: PARTICULATE MATTER: 49.2 TONS PER YEAR PM-10: 49.2 TONS PER YEAR OXIDES OF NITROGEN: 36.8 TONS PER YEAR CARBON MONOXIDE: 22.1 TONS PER YEAR EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY () MAKE, MODEL, AND S/Ns: NOT AVAILABLE, CYCLONE-SCRUBBERS, AND ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, FABRIC FILTER BAGHOUSE	TO BE CONSTRUCTED. COMPLIANCE PLAN. COMPLIANCE TEST. CONTINUOUS EMISSION MONITOR.
	<u>SOLVENT EXTRACTION PROCESS</u>	
041	() MAKE, MODEL, AND S/Ns: NOT AVAILABLE, MIXER/SETTLERS, EACH WITH A VOLUME OF _____ CUBIC FEET, FOR SEPARATION / PURIFICATION OF ZIRCONIUM VALUES BY SOLVENT EXTRACTION. (STACK: A24). PROCESS RATE LIMITS: TOTAL VOLATILE ORGANIC COMPOUNDS USED (MAKE UP): 85 TONS PER YEAR. EMISSION LIMITS: VOLATILE ORGANIC COMPOUNDS: 85 TONS PER YEAR.	TO BE MODIFIED. COMPLIANCE PLAN.
ATTACHMENT A CONTINUED...		
	<u>LABORATORY SAMPLE PREPARATION</u>	
057	VARIOUS SMALL SAMPLE PREPARATION MACHINES FOR PREPARING SAMPLES	TO BE MODIFIED.

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<u>ATTACHMENT A</u>		
DETAILS OF EQUIPMENT / ACTIVITIES COVERED UNDER THIS FACILITY-WIDE PERMIT		
AIRS ID	DESCRIPTION MAKE, MODEL, SERIAL NUMBER, DESIGN RATE, CAPACITY, DIMENSIONS, CONSTRUCTION DETAILS, CONSUMPTION, THROUGHPUT, EMISSION CONTROLS, EMISSIONS	REMARKS / SPECIFIC PROVISIONS
	FOR ANALYTICAL LABORATORY. (STACK: A25) PROCESS RATE LIMITS: NUMBER OF SAMPLES PREPARED: 27325 EMISSION LIMITS: PARTICULATE MATTER: 0.2 TON PER YEAR PM-10: 0.2 TON PER YEAR EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, FABRIC FILTER BAGHOUSE WITH AN AIRFLOW OF 2,000 SCFM, AND A GUARANTEED GRAIN LOADING LESS THAN 0.001 GRAIN PER DSCF.	COMPLIANCE PLAN.
	<u>USE LABORATORY CHEMICALS:</u>	
040	USE OF VARIOUS CHEMICALS, INCLUDING VOLATILE ORGANIC COMPOUNDS. (STACK: A26) PROCESS RATE LIMITS: LIMITED BY EMISSION LIMITS. EMISSION LIMITS: VOLATILE ORGANIC COMPOUNDS: 1.0 TON PER YEAR	COMPLIANCE PLAN.
	<u>SULFURIC ACID TANKS</u>	
059	TWO (2) 272,950-GALLON TANKS FOR STORAGE OF SULFURIC ACID (98 %). (STACK: A28) PROCESS RATE LIMITS: SULFURIC ACID STORED/HANDLED: 150,000 TONS PER YEAR	COMPLIANCE PLAN
ATTACHMENT A CONTINUED...		
	<u>AMMONIA TANKS</u>	
060	TWO (2) 156,000-POUND CAPACITY TANKS FOR STORAGE OF ANHYDROUS AMMONIA. (STACK: A29)	COMPLIANCE PLAN

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<u>ATTACHMENT A</u>		
DETAILS OF EQUIPMENT / ACTIVITIES COVERED UNDER THIS FACILITY-WIDE PERMIT		
AIRS ID	DESCRIPTION MAKE, MODEL, SERIAL NUMBER, DESIGN RATE, CAPACITY, DIMENSIONS, CONSTRUCTION DETAILS, CONSUMPTION, THROUGHPUT, EMISSION CONTROLS, EMISSIONS	REMARKS / SPECIFIC PROVISIONS
	<p>PROCESS RATE LIMITS:</p> <p>SILICA PRODUCT PROCESSED: 11,388 TONS PER YEAR</p> <p>EMISSION LIMITS:</p> <p>PARTICULATE MATTER: 4.2 TONS PER YEAR PM-10: 4.2 TONS PER YEAR OXIDES OF NITROGEN: 1.9 TONS PER YEAR CARBON MONOXIDE: 1.6 TONS PER YEAR</p> <p>EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, FABRIC FILTER BAGHOUSE, WITH AN AIRFLOW OF 14,000 SCFM, AND A GUARANTEED GRAIN LOADING OF LESS THAN 0.0025 GRAIN PER DSCF.</p>	LOCATED IN BUILDING B16.
	<u>BADDELEYITE DRYERS</u>	
065	<p>TWO (2) MAKE, MODEL, AND S/Ns: NOT AVAILABLE, NATURAL GAS FIRED, INDIRECTLY HEATED (THROUGH A HOT OIL MEDIUM), DRYERS, EACH IS RATED AT A HEAT INPUT OF 7,000,000 BTU PER HOUR, FOR DRYING OF BADDELEYITE PRODUCT. (STACK: A35 (N5))</p> <p>PROCESS RATE LIMITS:</p> <p>BADDELEYITE PRODUCT PROCESSED: 21,900 TONS PER YEAR</p> <p>EMISSION LIMITS:</p> <p>PARTICULATE MATTER: 3.4 TONS PER YEAR PM-10: 3.4 TONS PER YEAR OXIDES OF NITROGEN: 6.2 TONS PER YEAR CARBON MONOXIDE: 5.2 TONS PER YEAR</p> <p>EMISSIONS OF PARTICULATE MATTER ARE CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, FABRIC FILTER BAGHOUSE, WITH AIR AIRFLOW OF 14,000 SCFM, AND A GUARANTEED GRAIN LOADING OF LESS THAN 0.005 GRAIN PER DSCF.</p>	<p>TO BE CONSTRUCTED.</p> <p>COMPLIANCE PLAN.</p> <p>COMPLIANCE TEST.</p>
ATTACHMENT A CONTINUED...		
	<u>BADDELEYITE SULFATION REACTORS</u>	
066	<p>TWO (2) MAKE, MODEL, AND S/Ns: NOT AVAILABLE, NATURAL GAS FIRED, GLASS-LINED REACTORS FOR SULFATION OF BADDELEYITE, AT A TEMPERATURE OF APPROXIMATELY 250°C.</p>	<p>TO BE CONSTRUCTED.</p> <p>COMPLIANCE PLAN.</p>

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<u>ATTACHMENT A</u>		
DETAILS OF EQUIPMENT / ACTIVITIES COVERED UNDER THIS FACILITY-WIDE PERMIT		
AIRS ID	DESCRIPTION MAKE, MODEL, SERIAL NUMBER, DESIGN RATE, CAPACITY, DIMENSIONS, CONSTRUCTION DETAILS, CONSUMPTION, THROUGHPUT, EMISSION CONTROLS, EMISSIONS	REMARKS / SPECIFIC PROVISIONS
	(STACK: A36 (N6)) PROCESS RATE LIMITS: BADDELEYITE PROCESSED: 21,900 TONS PER YEAR EMISSION LIMITS: SULFURIC ACID MIST: 47.0 TONS PER YEAR OXIDES OF NITROGEN: 1.0 TON PER YEAR CARBON MONOXIDE: 0.9 TON PER YEAR EMISSIONS OF SULFURIC ACID ARE CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, PACKED-BED SCRUBBER, AND ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, FIBER-BED FILTER DEMISTER.	COMPLIANCE TEST.
	<u>ZIRCONIUM PRODUCT BUILDING</u>	
067	EQUIPMENT: HYDROCHLORIC ACID DIGEST TANK, HYDROCHLORIC ACID WASH TANK, AND AMMONIA WASH TANK. (STACK: A37 (N7)) PROCESS RATE LIMITS: ZIRCONIUM PRODUCT PROCESSED: 45,000 TONS PER YEAR EMISSION LIMITS: AMMONIA: 37.23 TONS PER YEAR EMISSIONS ARE CONTROLLED BY ONE (1) MAKE, MODEL, AND S/N: NOT AVAILABLE, WET SCRUBBER.	TO BE CONSTRUCTED. COMPLIANCE PLAN.
	<u>HYDROCHLORIC ACID TANKS</u>	
068	TWO (2) 15,000-GALLON CAPACITY TANKS FOR STORAGE OF HYDROCHLORIC ACID. (STACK: A38 (N8)) PROCESS RATE LIMITS: HYDROCHLORIC ACID STORED/HANDLED: 3,300,000 GALLONS PER YEAR	TO BE CONSTRUCTED. COMPLIANCE PLAN

END OF ATTACHMENT A.

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ATTACHMENT B

FORMAT FOR MAINTAINING RECORDS OF ACTIVITIES / CONSUMPTION
 AND TRACKING OF EMISSIONS

CALENDAR MONTH: YEAR:

ACTIVITY / MATERIAL CONSUMED	THROUGHPUT / CONSUMPTION		CRITERIA POLLUTANTS, TONS			
	QUANTITY	UNIT	EMISSION FACTOR	CONTROL EFFY. %	EMISSION DURING MONTH	12-MONTH ROLLING TOTAL

NON-CRITERIA POLLUTANT: CAS No.: BIN:				NON-CRITERIA POLLUTANT: CAS No.: BIN:			
EMISSION FACTOR	CONTROL EFFY. %	EMISSION DURING MONTH	12-MONTH ROLLING TOTAL	EMISSION FACTOR	CONTROL EFFY. %	EMISSION DURING MONTH	12-MONTH ROLLING TOTAL

NON-CRITERIA POLLUTANT: CAS No.: BIN:				TOTAL HAZARDOUS AIR POLLUTANTS	
EMISSION FACTOR	CONTROL EFFY. %	EMISSION DURING MONTH	12-MONTH ROLLING TOTAL	EMISSION DURING MONTH	12-MONTH ROLLING TOTAL

1. INCLUDE ALL NON-CRITERIA REPORTABLE POLLUTANTS, EVEN THOSE WHICH MAY BE BELOW REPORTABLE THRESHOLDS. THESE SHALL BE CALCULATED IN POUNDS.
2. EMISSION FACTORS MUST BE BASED ON MATERIAL SAFETY DATA SHEETS (MSDS) OR OTHER DOCUMENTS SUCH AS CERTIFIED ANALYSIS REPORTS. MOST CURRENT MSDS AND / OR VOC DATA SHEETS MUST BE AVAILABLE AT SITE.
3. 12-MONTH ROLLING TOTALS SHALL NOT EXCEED THE EMISSION LIMITS CONTAINED IN THIS PERMIT.
4. MATERIALS CONSUMED: GIVE PRODUCT NAME AND COMPLETE IDENTIFICATION.
5. EMISSION CONTROL EFFICIENCY DOCUMENTATION MUST BE AVAILABLE AT SITE.

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ATTACHMENT C

PARTICULATE EMISSIONS CONTROL PLAN FOR MATERIAL PROCESSING ACTIVITIES

THE FOLLOWING PARTICULATE EMISSIONS CONTROL MEASURES SHALL BE USED FOR COMPLIANCE PURPOSES ON THE ACTIVITIES COVERED BY THIS PERMIT, AS REQUIRED BY THE AIR QUALITY CONTROL COMMISSION REGULATION NO.1 Section III.D.1.b. THIS SOURCE IS SUBJECT TO THE FOLLOWING EMISSION GUIDELINES:

- a. **Processing Activities** - Visible emissions not to exceed 20%, no off-property transport of visible emissions.
- b. **Haul Roads** - No off-property transport of visible emissions shall apply to on-site haul roads, the nuisance guidelines shall apply to off-site haul roads.
- c. **Haul Trucks** - No off-property transport of visible emissions except that when operating off the property of the owner or operator, the applicable guidelines shall be no off-vehicle transport of visible emissions.

Control Measures

- 1 Material stockpiles shall be watered as necessary to control fugitive particulate emissions. Aggregate materials shall be sprayed with water during material loading into the storage bins or stockpiles.
- 2 Plant entryway and truck service roads shall be graveled. Watering shall be implemented if dust problems occur.
- 3 Vehicle speed on haul roads and service roads shall be restricted to 20 miles per hour. Speed limit signs shall be posted.
- 4 Unpaved surfaces used for movement of trucks or other equipment shall be treated with chemical stabilizers, and watered as often as required to effectively suppress the emissions of particulate matter.

Construction Permit

COTTER CORPORATION, Canon City Mill - Mineral milling facility

Permit No. 95FR803

Initial Approval - Modification-4

GENERAL TERMS AND CONDITIONS: (IMPORTANT! READ ITEMS 5,6,7 AND 8)

1. This permit is issued in reliance upon the accuracy and completeness of information supplied by the applicant and is conditioned upon conduct of the activity, or construction, installation and operation of the source, in accordance with this information and with representations made by the applicant or applicant's agents. It is valid only for the equipment and operations or activity specifically identified on the permit.
2. Unless specifically stated otherwise, the general and specific conditions contained in this permit have been determined by the APCD to be necessary to assure compliance with the provisions of Section 25-7-114.5(7)(a), C.R.S.
3. Each and every condition of this permit is a material part hereof and is not severable. Any challenge to or appeal of, a condition hereof shall constitute a rejection of the entire permit and upon such occurrence, this permit shall be deemed denied *ab initio*. This permit may be revoked at any time prior to final approval by the Air Pollution Control Division (APCD) on grounds set forth in the Colorado Air Quality Control Act and regulations of the Air Quality Control Commission (AQCC), including failure to meet any express term or condition of the permit. If the Division denies a permit, conditions imposed upon a permit are contested by the applicant, or the Division revokes a permit, the applicant or owner or operator of a source may request a hearing before the AQCC for review of the Division's action.
4. This permit and any required attachments must be retained and made available for inspection upon request at the location set forth herein. With respect to a portable source which is moved to a new location, a copy of the Relocation Notice (required by law to be submitted to the APCD whenever a portable source is relocated) should be attached to this permit. The permit may be reissued to a new owner by the APCD as provided in AQCC Regulation No. 3, Part B, Section III. B. upon a request for transfer of ownership and the submittal of a revised APEN and the required fee.
5. Issuance (initial approval) of an emission permit does not provide "final" authority for this activity or operation of this source. Final approval of the permit must be secured from the APCD in writing in accordance with the provisions of 25-7-114.5(12)(a) C.R.S. and AQCC Regulation No. 3, Part B, Section IV. H. Final approval cannot be granted until the operation or activity commences and has been verified by the APCD as conforming in all respects with the conditions of the permit. If the APCD so determines, it will provide written documentation of such final approval, which does constitute "final" authority to operate. ***Compliance with the permit conditions must be demonstrated within 180 days after commencement of operation.***
6. **THIS PERMIT AUTOMATICALLY EXPIRES IF** you (1) do not commence construction or operation within 18 months after either the date of issuance of this permit or the date on which such construction or activity was scheduled to commence as set forth in the permit, whichever is later; (2) discontinue construction for a period of 18 months or more; or (3) do not complete construction within a reasonable time of the estimated completion date. Extensions of the expiration date may be granted by the APCD upon a showing of good cause by the permittee prior to the expiration date.
7. **YOU MUST notify the APCD at least thirty days (fifteen days for portable sources) prior to commencement of the permitted operation or activity.** Failure to do so is a violation of Section 25-7-114.5(12)(a), C.R.S. and AQCC Regulation No. 3, Part B, Section IV.H.1., and can result in the revocation of the permit. *You must demonstrate compliance with the permit conditions within 180 days after commencement of operation as stated in condition 5.*
8. Section 25-7-114.7(2)(a), C.R.S. requires that all sources required to file an Air Pollution Emission Notice (APEN) must **pay an annual fee** to cover the costs of inspections and administration. If a source or activity is to be discontinued, the owner must notify the Division in writing requesting a cancellation of the permit. Upon notification, annual fee billing will terminate.
9. Violation of the terms of a permit or of the provisions of the Colorado Air Pollution Prevention and Control Act or the regulations of the AQCC may result in administrative, civil or criminal enforcement actions under Sections 25-7-115 (enforcement), -121 (injunctions), -122 (civil penalties), -122.1 (criminal penalties), C.R.S.