

**TITLE V PERMIT RENEWAL APPLICATION
AMONATE PREPARATION PLANT
PLANT ID NO. 047-00017
TITLE V PERMIT NO. R30-04700017-2003**

Prepared for:

CONSOL AMONATE FACILITY LLC

627 Claypool Hill Mall Road
Cedar Bluff, VA 24609

Prepared by:



140 Hilltop Drive, Lebanon, VA 24266 - (276) 880-0121

**3BCS PROJECT NO. 14-11.14
June 2, 2017**

TABLE OF CONTENTS

<i>General Forms</i>	SECTION I - VI
<i>Area Map</i>	ATTACHMENT A
<i>Plot Plan</i>	ATTACHMENT B
<i>Process Flow Diagram</i>	ATTACHMENT C
<i>Title V Equipment Table</i>	ATTACHMENT D
<i>Emission Unit Forms</i>	ATTACHMENT E
<i>Schedule of Compliance Form</i>	ATTACHMENT F
<i>Air Pollution Control Device Forms</i>	ATTACHMENT G
<i>Compliance Assurance Monitoring (CAM) Plan Form</i>	ATTACHMENT H
<i>Applicability / Non-Applicability Determination Table</i>	ATTACHMENT I
<i>Facility Wide Requirements</i>	ATTACHMENT J
<i>Emission Calculations</i>	APPENDIX A

GENERAL FORMS

SECTION I - VI



WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF AIR QUALITY

601 57th Street SE
Charleston, WV 25304
Phone: (304) 926-0475

www.dep.wv.gov/daq

INITIAL/RENEWAL TITLE V PERMIT APPLICATION - GENERAL FORMS

Section 1: General Information

Form with 10 sections: 1. Name of Applicant (CONSOL Amonate Facility LLC), 2. Facility Name or Location (Amonate Preparation Plant), 3. DAQ Plant ID No. (047-00017), 4. Federal Employer ID No. (FEIN) (464020820), 5. Permit Application Type (Permit Renewal), 6. Type of Business Entity (LLC), 7. Is the Applicant the: (Both), 8. Number of onsite employees (22), 9. Governmental Code (Privately owned and operated; 0), 10. Business Confidentiality Claims (No).

11. Mailing Address		
Street or P.O. Box: 700 Dry Fork Road		
City: Bandy	State: VA	Zip: 24602-
Telephone Number: (276) 988-5098	Fax Number: () -	

12. Facility Location		
Street: State Route 16	City: Valls creek	County: McDowell
UTM Easting: 441.76 km	UTM Northing: 4,118.34 km	Zone: <input checked="" type="checkbox"/> 17 or <input type="checkbox"/> 18
Directions: Travel south on I-77 from Princeton, WV for 8 miles. Take Exit 1 to merge onto US-52 N. Travel 2.8 miles and merge onto US-460 W toward Bluefield. Travel 29.4 miles. Turn right onto State Route (SR) 637. Travel 0.3 miles. Turn left to stay on SR 637. Travel 1.4 miles. Turn right on SR 631. Travel 0.2 miles. Turn left on SR 637. Travel 6.7 miles. Turn left to stay on SR 637. Travel 2.7 miles. Turn left onto Beech Fork Road. Travel 0.7 miles. Turn right onto facility access road.		
Portable Source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Is facility located within a nonattainment area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, for what air pollutants?	
Is facility located within 50 miles of another state? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, name the affected state(s). Virginia Kentucky	
Is facility located within 100 km of a Class I Area¹? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, name the area(s).	
If no, do emissions impact a Class I Area¹? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
¹ Class I areas include Dolly Sods and Otter Creek Wilderness Areas in West Virginia, and Shenandoah National Park and James River Face Wilderness Area in Virginia.		

13. Contact Information		
Responsible Official: Philip Forshey		Title: Director Legacy Operations
Street or P.O. Box: 627 Claypool Hill Mall Road		
City: Cedar Bluff	State: VA	Zip: 24609-
Telephone Number: (276) 596-5118	Fax Number: () -	
E-mail address: philipforshey@consolenergy.com		
Environmental Contact: Randy K. Cox		Title: Supervisor Southern Legacy
Street or P.O. Box: 627 Claypool Hill Mall Road		
City: Cedar Bluff	State: VA	Zip: 24609-
Telephone Number: (276) 596-5002	Fax Number: () -	
E-mail address: randycox@consolenergy.com		
Application Preparer: Matthew B. Whittaker		Title: Senior Project Engineer
Company: 3B Consulting Services, LLC		
Street or P.O. Box: 140 Hilltop Avenue		
City: Lebanon	State: VA	Zip: 24266-
Telephone Number: (276) 880-0121	Fax Number: (276) 880-0124	
E-mail address: mwhittaker@3bcs.com		

14. Facility Description

List all processes, products, NAICS and SIC codes for normal operation, in order of priority. Also list any process, products, NAICS and SIC codes associated with any alternative operating scenarios if different from those listed for normal operation.

Process	Products	NAICS	SIC
Coal Preparation w/ Thermal Dryer	Coal	212111	1221

Provide a general description of operations.

The Amonate Facility consists of a preparation plant with thermal dryer and surface coal mining operations. The preparation plant cleans and processes raw coal from underground and surface mining operations.

15. Provide an **Area Map** showing plant location as **ATTACHMENT A**.

16. Provide a **Plot Plan(s)**, e.g. scaled map(s) and/or sketch(es) showing the location of the property on which the stationary source(s) is located as **ATTACHMENT B**. For instructions, refer to "Plot Plan - Guidelines."

17. Provide a detailed **Process Flow Diagram(s)** showing each process or emissions unit as **ATTACHMENT C**. Process Flow Diagrams should show all emission units, control equipment, emission points, and their relationships.

19. Non Applicability Determinations (Continued) - Attach additional pages as necessary.

List all requirements which the source has determined not applicable and for which a permit shield is requested. The listing shall also include the rule citation and the reason why the shield applies.

The non-applicability determination contained in the existing permit remains unchanged.

See Attachment I for an applicability/non-applicability table.

Permit Shield

20. Facility-Wide Applicable Requirements

List all facility-wide applicable requirements. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements).

The facility-wide applicable requirements contained in the existing permit remain unchanged. See Attachment J for facility-wide applicable requirements.

Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing / recordkeeping / reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

The monitoring / testing / record keeping / reporting requirements contained in the existing permit remain unchanged. See Attachment J for facility-wide applicable requirements.

Are you in compliance with all facility-wide applicable requirements? Yes No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.

20. Facility-Wide Applicable Requirements (Continued) - Attach additional pages as necessary.

List all facility-wide applicable requirements. For each applicable requirement, include the rule citation and/or permit with the condition number.

Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Are you in compliance with all facility-wide applicable requirements? Yes No

If no, complete the Schedule of Compliance Form as ATTACHMENT F.

21. Active Permits/Consent Orders

Permit or Consent Order Number	Date of Issuance MM/DD/YYYY	List any Permit Determinations that Affect the Permit <i>(if any)</i>
R13-0267A	01/07/2003	
R30-04700017-2003	05/13/2003	
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Section 3: Facility-Wide Emissions

23. Facility-Wide Emissions Summary [Tons per Year]	
Criteria Pollutants	Potential Emissions
Carbon Monoxide (CO)	709.68
Nitrogen Oxides (NO _x)	215.11
Lead (Pb)	N/A
Particulate Matter (PM _{2.5}) ¹	
Particulate Matter (PM ₁₀) ¹	386.91
Total Particulate Matter (TSP)	812.54
Sulfur Dioxide (SO ₂)	832.2
Volatile Organic Compounds (VOC)	208.36
Hazardous Air Pollutants ²	Potential Emissions
Not Applicable	
Regulated Pollutants other than Criteria and HAP	Potential Emissions
Hydrochloric Acid Aerosols	4.8
Hydrofluoric Acid	3.8

¹PM_{2.5} and PM₁₀ are components of TSP.
²For HAPs that are also considered PM or VOCs, emissions should be included in both the HAPs section and the Criteria Pollutants section.

Section 4: Insignificant Activities

24. Insignificant Activities (Check all that apply)	
<input checked="" type="checkbox"/>	1. Air compressors and pneumatically operated equipment, including hand tools.
<input checked="" type="checkbox"/>	2. Air contaminant detectors or recorders, combustion controllers or shutoffs.
<input checked="" type="checkbox"/>	3. Any consumer product used in the same manner as in normal consumer use, provided the use results in a duration and frequency of exposure which are not greater than those experienced by consumer, and which may include, but not be limited to, personal use items; janitorial cleaning supplies, office supplies and supplies to maintain copying equipment.
<input checked="" type="checkbox"/>	4. Bathroom/toilet vent emissions.
<input checked="" type="checkbox"/>	5. Batteries and battery charging stations, except at battery manufacturing plants.
<input checked="" type="checkbox"/>	6. Bench-scale laboratory equipment used for physical or chemical analysis, but not lab fume hoods or vents. Many lab fume hoods or vents might qualify for treatment as insignificant (depending on the applicable SIP) or be grouped together for purposes of description.
<input type="checkbox"/>	7. Blacksmith forges.
<input type="checkbox"/>	8. Boiler water treatment operations, not including cooling towers.
<input checked="" type="checkbox"/>	9. Brazing, soldering or welding equipment used as an auxiliary to the principal equipment at the source.
<input type="checkbox"/>	10. CO ₂ lasers, used only on metals and other materials which do not emit HAP in the process.
<input checked="" type="checkbox"/>	11. Combustion emissions from propulsion of mobile sources, except for vessel emissions from Outer Continental Shelf sources.
<input checked="" type="checkbox"/>	12. Combustion units designed and used exclusively for comfort heating that use liquid petroleum gas or natural gas as fuel.
<input checked="" type="checkbox"/>	13. Comfort air conditioning or ventilation systems not used to remove air contaminants generated by or released from specific units of equipment.
<input type="checkbox"/>	14. Demineralized water tanks and demineralizer vents.
<input type="checkbox"/>	15. Drop hammers or hydraulic presses for forging or metalworking.
<input type="checkbox"/>	16. Electric or steam-heated drying ovens and autoclaves, but not the emissions from the articles or substances being processed in the ovens or autoclaves or the boilers delivering the steam.
<input type="checkbox"/>	17. Emergency (backup) electrical generators at residential locations.
<input checked="" type="checkbox"/>	18. Emergency road flares.
<input checked="" type="checkbox"/>	<p>19. Emission units which do not have any applicable requirements and which emit criteria pollutants (CO, NO_x, SO₂, VOC and PM) into the atmosphere at a rate of less than 1 pound per hour and less than 10,000 pounds per year aggregate total for each criteria pollutant from all emission units.</p> <p>Please specify all emission units for which this exemption applies along with the quantity of criteria pollutants emitted on an hourly and annual basis:</p> <p><u>Fuel tanks emitting less than 1 lb/hr and 10,000 lb/yr.</u></p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>

24. Insignificant Activities (Check all that apply)	
<input type="checkbox"/>	<p>20. Emission units which do not have any applicable requirements and which emit hazardous air pollutants into the atmosphere at a rate of less than 0.1 pounds per hour and less than 1,000 pounds per year aggregate total for all HAPs from all emission sources. This limitation cannot be used for any source which emits dioxin/furans nor for toxic air pollutants as per 45CSR27.</p> <p>Please specify all emission units for which this exemption applies along with the quantity of hazardous air pollutants emitted on an hourly and annual basis:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
<input type="checkbox"/>	21. Environmental chambers not using hazardous air pollutant (HAP) gases.
<input checked="" type="checkbox"/>	22. Equipment on the premises of industrial and manufacturing operations used solely for the purpose of preparing food for human consumption.
<input type="checkbox"/>	23. Equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generating equipment.
<input checked="" type="checkbox"/>	24. Equipment used for quality control/assurance or inspection purposes, including sampling equipment used to withdraw materials for analysis.
<input type="checkbox"/>	25. Equipment used for surface coating, painting, dipping or spray operations, except those that will emit VOC or HAP.
<input checked="" type="checkbox"/>	26. Fire suppression systems.
<input checked="" type="checkbox"/>	27. Firefighting equipment and the equipment used to train firefighters.
<input checked="" type="checkbox"/>	28. Flares used solely to indicate danger to the public.
<input checked="" type="checkbox"/>	29. Fugitive emission related to movement of passenger vehicle provided the emissions are not counted for applicability purposes and any required fugitive dust control plan or its equivalent is submitted.
<input type="checkbox"/>	30. Hand-held applicator equipment for hot melt adhesives with no VOC in the adhesive formulation.
<input checked="" type="checkbox"/>	31. Hand-held equipment for buffing, polishing, cutting, drilling, sawing, grinding, turning or machining wood, metal or plastic.
<input type="checkbox"/>	32. Humidity chambers.
<input type="checkbox"/>	33. Hydraulic and hydrostatic testing equipment.
<input checked="" type="checkbox"/>	34. Indoor or outdoor kerosene heaters.
<input checked="" type="checkbox"/>	35. Internal combustion engines used for landscaping purposes.
<input type="checkbox"/>	36. Laser trimmers using dust collection to prevent fugitive emissions.
<input checked="" type="checkbox"/>	37. Laundry activities, except for dry-cleaning and steam boilers.
<input checked="" type="checkbox"/>	38. Natural gas pressure regulator vents, excluding venting at oil and gas production facilities.
<input type="checkbox"/>	39. Oxygen scavenging (de-aeration) of water.
<input type="checkbox"/>	40. Ozone generators.

24. Insignificant Activities (Check all that apply)	
<input checked="" type="checkbox"/>	41. Plant maintenance and upkeep activities (e.g., grounds-keeping, general repairs, cleaning, painting, welding, plumbing, re-tarring roofs, installing insulation, and paving parking lots) provided these activities are not conducted as part of a manufacturing process, are not related to the source's primary business activity, and not otherwise triggering a permit modification. (Cleaning and painting activities qualify if they are not subject to VOC or HAP control requirements. Asphalt batch plant owners/operators must still get a permit if otherwise requested.)
<input checked="" type="checkbox"/>	42. Portable electrical generators that can be moved by hand from one location to another. "Moved by Hand" means that it can be moved without the assistance of any motorized or non-motorized vehicle, conveyance, or device.
<input checked="" type="checkbox"/>	43. Process water filtration systems and demineralizers.
<input checked="" type="checkbox"/>	44. Repair or maintenance shop activities not related to the source's primary business activity, not including emissions from surface coating or de-greasing (solvent metal cleaning) activities, and not otherwise triggering a permit modification.
<input checked="" type="checkbox"/>	45. Repairs or maintenance where no structural repairs are made and where no new air pollutant emitting facilities are installed or modified.
<input checked="" type="checkbox"/>	46. Routing calibration and maintenance of laboratory equipment or other analytical instruments.
<input type="checkbox"/>	47. Salt baths using nonvolatile salts that do not result in emissions of any regulated air pollutants. Shock chambers.
<input type="checkbox"/>	48. Shock chambers.
<input type="checkbox"/>	49. Solar simulators.
<input checked="" type="checkbox"/>	50. Space heaters operating by direct heat transfer.
<input checked="" type="checkbox"/>	51. Steam cleaning operations.
<input type="checkbox"/>	52. Steam leaks.
<input type="checkbox"/>	53. Steam sterilizers.
<input type="checkbox"/>	54. Steam vents and safety relief valves.
<input checked="" type="checkbox"/>	55. Storage tanks, reservoirs, and pumping and handling equipment of any size containing soaps, vegetable oil, grease, animal fat, and nonvolatile aqueous salt solutions, provided appropriate lids and covers are utilized.
<input checked="" type="checkbox"/>	56. Storage tanks, vessels, and containers holding or storing liquid substances that will not emit any VOC or HAP. Exemptions for storage tanks containing petroleum liquids or other volatile organic liquids should be based on size limits such as storage tank capacity and vapor pressure of liquids stored and are not appropriate for this list.
<input checked="" type="checkbox"/>	57. Such other sources or activities as the Director may determine.
<input checked="" type="checkbox"/>	58. Tobacco smoking rooms and areas.
<input checked="" type="checkbox"/>	59. Vents from continuous emissions monitors and other analyzers.

Section 5: Emission Units, Control Devices, and Emission Points

25. Equipment Table
Fill out the Title V Equipment Table and provide it as ATTACHMENT D .
26. Emission Units
For each emission unit listed in the Title V Equipment Table , fill out and provide an Emission Unit Form as ATTACHMENT E .
For each emission unit not in compliance with an applicable requirement, fill out a Schedule of Compliance Form as ATTACHMENT F .
27. Control Devices
For each control device listed in the Title V Equipment Table , fill out and provide an Air Pollution Control Device Form as ATTACHMENT G .
For any control device that is required on an emission unit in order to meet a standard or limitation for which the potential pre-control device emissions of an applicable regulated air pollutant is greater than or equal to the Title V Major Source Threshold Level, refer to the Compliance Assurance Monitoring (CAM) Form(s) for CAM applicability. Fill out and provide these forms, if applicable, for each Pollutant Specific Emission Unit (PSEU) as ATTACHMENT H .

Section 6: Certification of Information

28. Certification of Truth, Accuracy and Completeness and Certification of Compliance

Note: This Certification must be signed by a responsible official. The original, signed in blue ink, must be submitted with the application. Applications without an original signed certification will be considered as incomplete.

a. Certification of Truth, Accuracy and Completeness

I certify that I am a responsible official (as defined at 45CSR§30-2.38) and am accordingly authorized to make this submission on behalf of the owners or operators of the source described in this document and its attachments. I certify under penalty of law that I have personally examined and am familiar with the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine and/or imprisonment.

b. Compliance Certification

Except for requirements identified in the Title V Application for which compliance is not achieved, I, the undersigned hereby certify that, based on information and belief formed after reasonable inquiry, all air contaminant sources identified in this application are in compliance with all applicable requirements.

Responsible official (type or print)

Name: Philip Forshey

Title: Director Legacy Operations

Responsible official's signature:

Signature: _____

Philip Forshey

Signature Date: _____

5/24/17

(Must be signed and dated in blue ink)

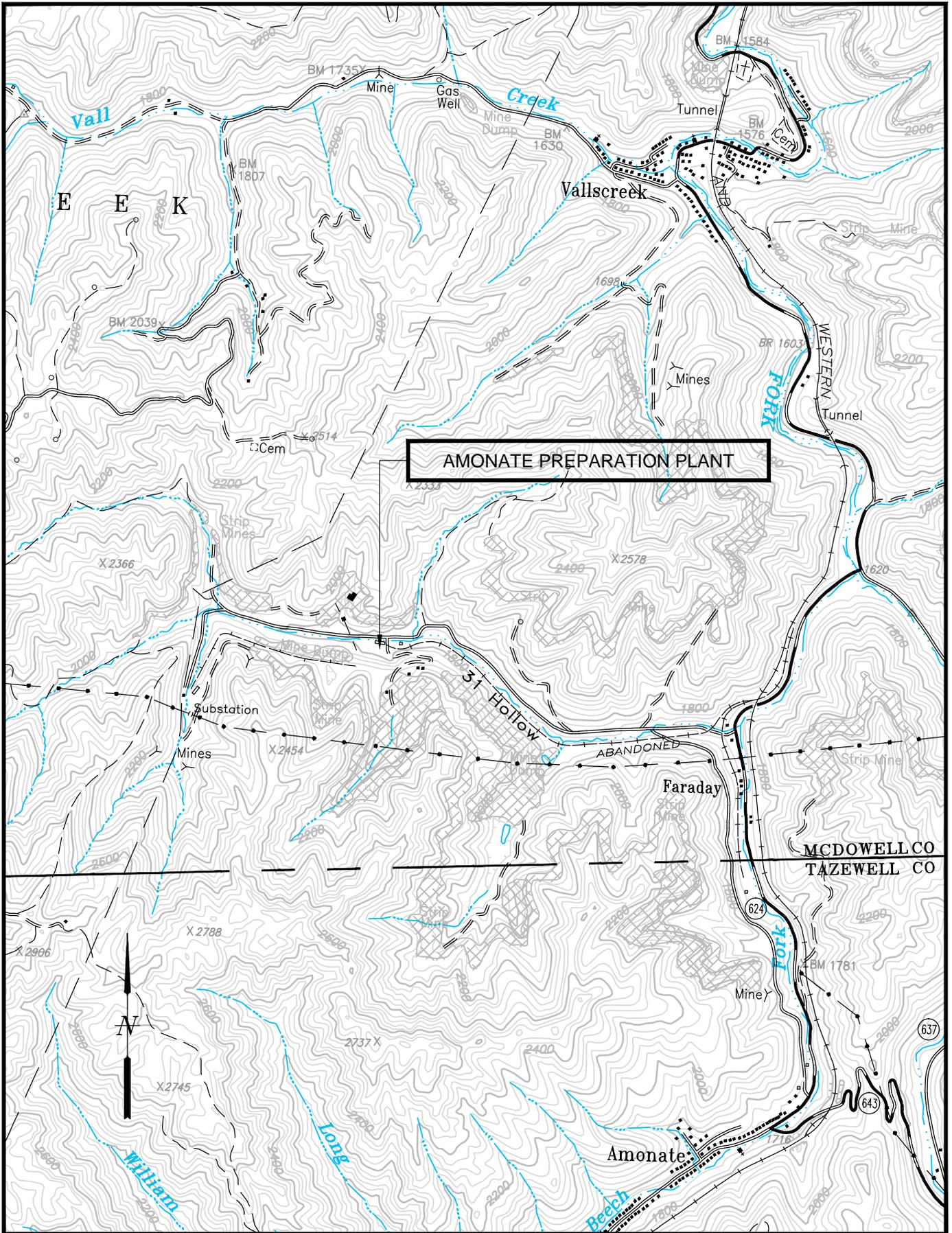
Note: Please check all applicable attachments included with this permit application:

<input checked="" type="checkbox"/>	ATTACHMENT A: Area Map
<input checked="" type="checkbox"/>	ATTACHMENT B: Plot Plan(s)
<input checked="" type="checkbox"/>	ATTACHMENT C: Process Flow Diagram(s)
<input checked="" type="checkbox"/>	ATTACHMENT D: Equipment Table
<input checked="" type="checkbox"/>	ATTACHMENT E: Emission Unit Form(s)
<input type="checkbox"/>	ATTACHMENT F: Schedule of Compliance Form(s)
<input checked="" type="checkbox"/>	ATTACHMENT G: Air Pollution Control Device Form(s)
<input checked="" type="checkbox"/>	ATTACHMENT H: Compliance Assurance Monitoring (CAM) Form(s)

All of the required forms and additional information can be found and downloaded from, the DEP website at www.dep.wv.gov/dag, requested by phone (304) 926-0475, and/or obtained through the mail.

ATTACHMENT A

AREA MAP



AMONATE PREPARATION PLANT

**MCDOWELL CO
TAZEWELL CO**



PERMIT NO.	R30-04700017-2013	DATE :	MAY 23, 2017
APPLICATION NO.	RENEWAL	PROJECT NO.	14-08.14
DESIGNED :	MBW	FILE NAME :	LOCATION.DWG
CHECKED :	MBW	SCALE :	1" = 2,000'
USGS QUAD:	AMONATE, VA	DRAWING NO.	1 OF 1

**CONSOL AMONATE FACILITY LLC
AMONATE PREPARATION PLANT**

GENERAL LOCATION MAP

ATTACHMENT B

PLOT PLAN



EMISSION SOURCES:

H	- HAULROAD
TP	- TRANSFER POINT
CS	- ROTARY BREAKER
SP	- STOCKPILE
TD	- THERMAL DRYER
C	- CONVEYOR
TL	- TANK (LIQUIDS)
P	- STACK

NOTE: ELEVATIONS ARE IN FEET ABOVE MEAN SEA LEVEL (AMSL).



**AMONATE PREPARATION PLANT BUILDING
UTM REFERENCE COORDINATES**

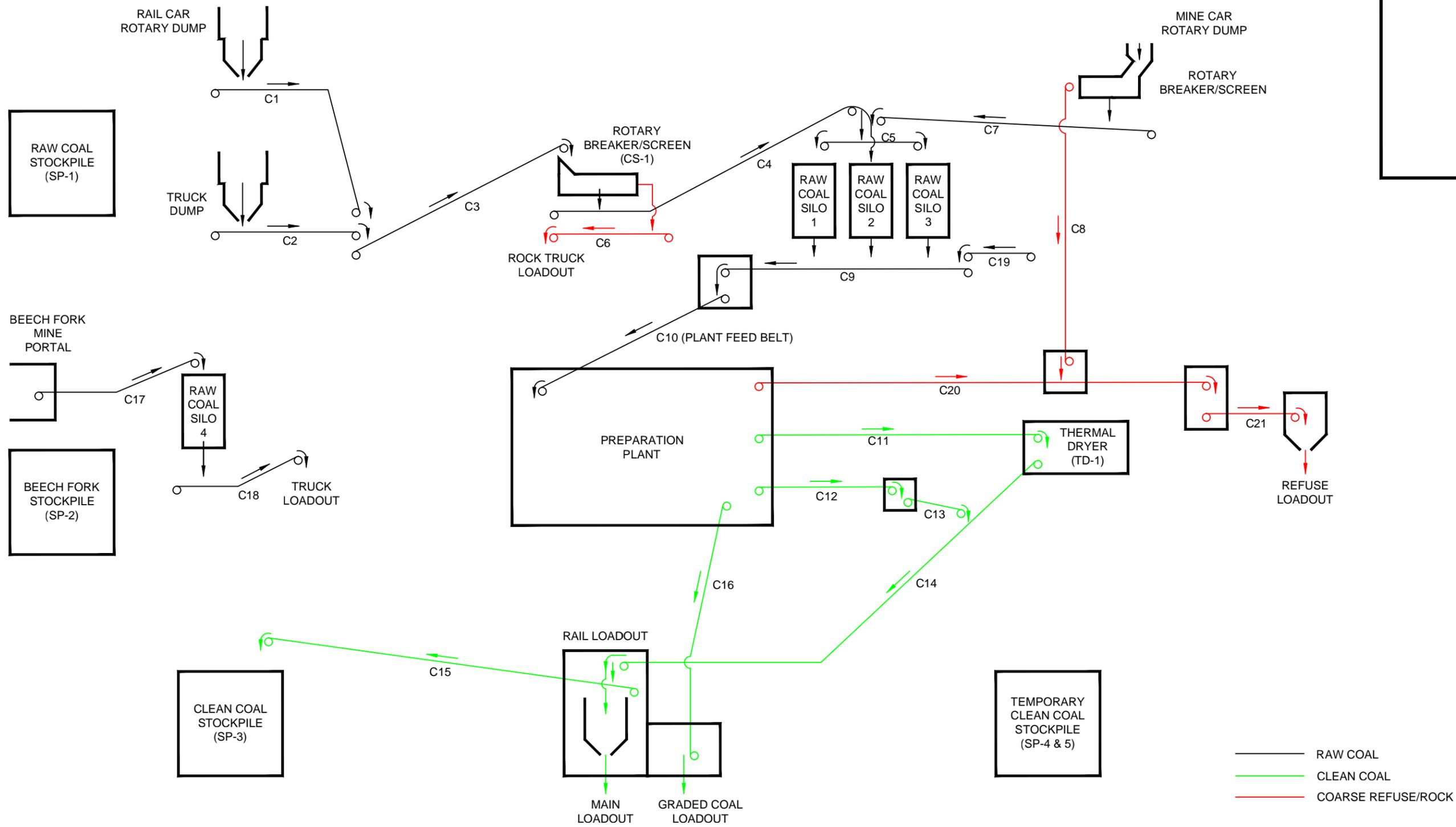
UTM ZONE:	17
UTM VERTICAL:	4,118,335
UTM HORIZONTAL:	441,762

NOTE: ONE-WAY DISTANCE TO RDA IS 0.7 MILES.

**PLOT PLAN
CONSOL AMONATE FACILITY LLC
AMONATE PREPARATION PLANT
McDOWELL COUNTY,
WEST VIRGINIA
SCALE 1" = 100'
JUNE 2, 2017**

ATTACHMENT C

PROCESS FLOW DIAGRAM



CONSOL AMONATE FACILITY LLC
 AMONATE PREPARATION PLANT
 PROCESS FLOW DIAGRAM
 BULK MATERIALS HANDLING EQUIPMENT

PERMIT NO. R30-04700017-2013 DATE: JUNE 2, 2017
 APPLICATION NO. N/A PROJECT NO. 14-08-14
 DESIGNED: MBW FILE NAME: PROCESS-FLOW-DIAGRAM.DWG
 CHECKED: MBW SCALE: N.T.S.
 USGS QUAD: N/A DRAWING NO. 1 OF 1

AMONATE CONVEYOR BELTS

ID #	Description	Capacity (TPH)	Thruput (TPY)
C1	Rotary Dump Belt	800	7,008,000
C2	Truck Dump Belt	800	7,008,000
C3	Rotary Breaker Building Feed Belt	800	7,008,000
C4	Raw Coal Silo Feed Belt	750	6,570,000
C5	Raw Coal Silo Load-in Transfer Belt	750	6,570,000
C6	Rotary Breaker Reject/Rock Belt	100	876,000
C7	Mine Car Rotary Dump Belt	750	6,570,000

AMONATE CONVEYOR BELTS

ID #	Description	Capacity (TPH)	Thruput (TPY)
C8	Mine Car Rotary Reject/Rock Belt	100	876,000
C9	Raw Coal Silo Reclaim Belt	658	5,764,080
C10	Plant Feed Belt	658	5,764,080
C11	Thermal Dryer Feed Belt	411.8	3,607,368
C12	Plant Coarse Product Belt	525	4,599,000
C13	Coarse Product Transfer Belt	525	4,599,000
C14	Load out Belt	525	4,599,000

AMONATE CONVEYOR BELTS

ID #	Description	Capacity (TPH)	Thruput (TPY)
C15	Clean Coal Stockpile Feed Belt	525	4,599,000
C16	Graded Coal Belt (Stoker)	125	1,095,000
C17	Beech Fork Silo Feed Belt	100	876,000
C18	Beech Fork Silo Reclaim Belt	100	876,000
C19	Beech Fork Mine Plant Feed Belt		Out of Service
C20	Plant Refuse Belt	400	3,504,000
C21	Over Land Refuse Belt	400	3,504,000



ATTACHMENT D

TITLE V EQUIPMENT TABLE

ATTACHMENT D - Title V Equipment Table
(includes all emission units at the facility except those designated as
insignificant activities in Section 4, Item 24 of the General Forms)

Emission Point ID ¹	Control Device ¹	Emission Unit ID ¹	Emission Unit Description	Design Capacity	Year Installed/Modified
Thermal Dryer Group 001					
001	RC-FCC, RC-FKHV	TD-1	Thermal Dryer	411.8 tph	1977
Storage Piles Group 003					
003	MC	SP-1	Stockpile at Truck Dump	NA	1990
003	MC	SP-2	Beech Fork Storage Pile	197,000 tons	1990
003	MC	SP-3	Main Clean Coal Stockpile	195,000 tons	1990
003	MC	SP-4	Loop #1 Stockpile (Emergency Stockpiling)	245,000 tons	1990
003	MC	SP-5	Loop #2 Stockpile (Emergency Stockpiling)	109,000 tons	1990
Rotary Breaker with Screen Group 004					
004	FE,MC	CS-1	Main Rotary Breaker with Scalping Screen	800 tph	1977
004	FE,MC	CS-2	Mine Car Dump Breaker with Scalping Screen	800 tph	1977
Miscellaneous VOC Process Group 005					
005	N	FC1	Froth Flotation Cell	NA	1977
005	N	TH1	Thickner	NA	1977
Unpaved Road Emissions Group 006					
006	WT	H-1	Haulroad- Raw Coal from Beech Fork Mine to Truck Dump	NA	Pre 1977
006	WT	H-2	Haulroad- Raw Coal from offsite to Truck Dump	NA	Pre 1977
006	WT	H-3	Haulroad-Coarse Refuse Impoundment	NA	Pre 1977
006	WT	H-4	Haulroad-Beech Fork Stockpile to Plant	NA	Pre 1977
006	WT	H-5	Haulroad-Loop #1 to Plant	NA	Pre 1977
006	WT	H-6	Haulroad-Loop #2 to Plant	NA	Pre 1977
Transfer Points with Baghouse Group 007					
007	FE	TP-42	Magnetite Truck to Magnetite Bin	20 tph	1977
Transfer Points with Full Enclosure Group 008					
008	FE	TP-19	Silo Feeders to Silo Reclaim Belt	658 tph	1977
008	FE	TP-21	Thermal Dryer Belt to Thermal Dryer	411.8 tph	1977
008	FE	TP-21A	Thermal Dryer Bypass	411.8 tph	1977

Emission Point ID ¹	Control Device ¹	Emission Unit ID ¹	Emission Unit Description	Design Capacity	Year Installed/Modified
008	FE	TP-23	Thermal Dryer to Load Out Belt	350 tph	1977
Transfer Points with Partial Enclosure Group 009					
009	PE	TP-4	Truck Dump Hoppers to Truck Dump Belt	800 tph	1977
009	PE	TP-5	Transfer Bin	800 tph	1997
009	PE	TP-6	Transfer Bin to Breaker Feed Belt (C3)	800 tph	1997
009	PE	TP-7	Breaker Feed Belt to Rotary Breaker	800 tph	1997
009	PE	TP-8	Rotary Breaker to Main Silo Feed Belt	750 tph	1977
009	PE	TP-9	Rotary Breaker to Breaker Refuse Books	100 tph	1977
009	PE	TP-10	Breaker Refuse Belt (C6) to Breaker Refuse Bin	100 tph	1977
009	PE	TP-12	Car Rotary Dump to Rail Dump Hopper	800 tph	1977
009	PE	TP-13	Rail Car Dump Hopper to Breaker Feed Belt	800 tph	1977
009	PE	TP-14	Mine Car Rotary Dump to Mine Dump Breaker	800 tph	1977
009	PE	TP-15	Mine Dump Breaker to Mine Dump Breaker Refuse Belt	100 tph	1977
009	PE	TP-16	Mine Dump Breaker to Mine Dump Silo Feed	750 tph	1977
009	PE	TP-17	Silo Feed Belts to Silo Transfer Belt	750 tph	1977
009	PE	TP-18	Silo Transfer Belt to Raw Coal Silos	750 tph	1977
009	PE	TP-20	Silo Reclaim Belt (C9) to Plant Feed Belt (C10)	658 tph	1977
009	PE	TP-22	Coarse Coal Belt to Coarse Coal Transfer Belt	525 tph	1977
009	PE	TP-24	Coarse Coal Transfer Belt to Load Out Belt	525 tph	1977
009	PE	TP-25	Load Out Belt to Load Out Bin/Storage Pile Feed Belt	525 tph	1977
009	PE	TP-27	Beech Fork Mine Belt to Beech Fork Silo #4	100 tph	1977
009	PE	TP-28	Beech Fork Silo #4 to Beech Fork Silo Reclaim Belt	100 tph	1977
009	MC	TP-29	Beech Fork Silo Reclaim Belt to Trucks	100 tph	1977
009	MC	TP-35	Load Out Bin to Rail Cars	100 tph	1977
009	MC	TP-36	Graded Coal Belt to Graded Coal Load Out Bin	125 tph	1977
009	MC	TP-38	Plant Refuse Belt to Overland Refuse belt	400 tph	1977

Emission Point ID ¹	Control Device ¹	Emission Unit ID ¹	Emission Unit Description	Design Capacity	Year Installed/Modified
009	MC	TP-39	Refuse Bin	400 tph	1977
Transfer Points with No Enclosures Group 00A					
00A	MC	TP-1	Raw Coal truck Dump Hoppers	800 tph	1977
00A	MC	TP-2	Trucks to Raw Coal Storage Pile (SP-1)	800 tph	1977
00A	MC	TP-3	Raw Coal Storage Pile (SP-1) by End Loader to Truck Dump Hoppers	800 tph	1977
00A	MC	TP-11	Breaker Refuse Bin to Rock Truck	100 tph	1977
00A	MC	TP-26	Stockpile Feed Belt to Main Clean Coal Stockpile	525 tph	1977
00A	MC	TP-37	Graded Coal Load Out Bin to Graded Coal Rail Cars	125 tph	1977
00A	MC	TP-40	Refuse Truck	400 tph	1977
00A	MC	TP-41	End Loader to Rail Cars	525 tph	1977
Conveyor Belts Group 00B					
00B	PE	C1	Rotary Dump Belt	800 tph	1977
00B	PE	C2	Truck Dump Belt	800 tph	1977
00B	PE	C3	Rotary Breaker Building Feed Belt	800 tph	1977
00B	PE	C4	Raw Coal Silos Feed Belt	750 tph	1977
00B	PE	C5	Raw Coal Silos Load-in Transfer Belt	750 tph	1977
00B	PE	C6	Main Rotary Breaker (CS-1) Reject/Rock Belt	100 tph	1977
00B	PE	C7	Mine Car Rotary Dump Belt	750 tph	1977
00B	PE	C8	Mine Car Rotary Dump (CS-2) Reject/Rock Belt	100 tph	1977
00B	PE	C9	Raw Coal Silo Reclaim Belt	658 tph	1977
00B	PE	C10	Plant Feed Belt from Silo Reclaim Belt to Preparation Plant	658 tph	1977
00B	PE	C11	Thermal Dryer Belt to Thermal Dryer	411.8 tph	1977
00B	PE	C12	Plant Coarse Product Belt	525 tph	1977
00B	PE	C13	Coarse Product Transfer Belt	525 tph	1977
00B	PE	C14	Load Belt from Thermal Dryer to Load Out	525 tph	1977
00B	MC	C15	Clean Coal Stockpile Feed Belt	525 tph	1977

Emission Point ID ¹	Control Device ¹	Emission Unit ID ¹	Emission Unit Description	Design Capacity	Year Installed/Modified
00B	MC	C16	Graded Coal Belt (Stoker)	125 tph	1977
00B	MC	C17	Beech Fork Silo Feed Belt	100 tph	1977
00B	MC	C18	Beech Fork Silo Reclaim Belt	100 tph	1977
00B	MC	C19	Beech Fork Mine Plant Feed Belt (out of service)	0 tph	1977
00B	PE	C20	Plant Refuse Belt	400 tph	1977
00B	MC	C21	Overland Refuse Belt	400 tph	1977
Silos Group 00B					
00B	MC	Silo 1	Plant Silo #1	2,400 tons	1977
00B	MC	Silo 2	Plant Silo #2	2,800 tons	1977
00B	MC	Silo 3	Plant Silo #3	2,400 tons	1977
00B	MC	Silo 4	Beech Fork Silo	1,200 tons	1977
Tank Group 002					
002	NA	TL-1	Froth Cell Storage Tank	10,000 Gallons	1977
002	NA	TL-2	Diesel Storage Tank	4,000 Gallons	1977
002	NA	TL-3	Diesel Storage Tank	5,000 Gallons	1977
002	NA	TL-4	Gasoline Storage Tank	1,000 Gallons	1977
002	NA	TL-5	Freeze Conditioner Storage Tank	8,000 Gallons	1977
002	NA	TL-6	Flocculent	8,000 Gallons	1977
002	NA	TL-7	Froth Cell Frother Reagent Tank	3,000 Gallons	1977
002	NA	TL-8	Froth Cell Diesel (Holding Tank)	275 Gallons	1977

¹For 45CSR13 permitted sources, the numbering system used for the emission points, control devices, and emission units should be consistent with the numbering system used in the 45CSR13 permit. For grandfathered sources, the numbering system should be consistent with registrations or emissions inventory previously submitted to DAQ. For emission points, control devices, and emissions units which have not been previously labeled, use the following 45CSR13 numbering system: 1S, 2S, 3S,... or other appropriate description for emission units; 1C, 2C, 3C,... or other appropriate designation for control devices; 1E, 2E, 3E, ... or other appropriate designation for emission points.

ATTACHMENT E

EMISSION UNIT FORMS

ATTACHMENT E - Emission Unit Form

Emission Unit Description Group 001

Emission unit ID number: TD-1	Emission unit name: Thermal Dryer	List any control devices associated with this emission unit: RC-FCC; RC-FKHV
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Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Coal-fired fluidized bed thermal dryer at a coal preparation plant with a maximum design heat input of 145 MM Btu/hour.

Manufacturer: ENI Engineering Co.	Model number: ENI # 12.5 Coal Flo Dryer	Serial number: NA
Construction date: NA	Installation date: 1977	Modification date(s): NA

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 145,000,000 Btu
Two (2) Peabody #2 fuel oil igniters used for startup with Btu rating of 12 X 106 Btu/hr

Maximum Hourly Throughput: 411.8 tons per hour.	Maximum Annual Throughput: 3,607,000 tons per year.	Maximum Operating Schedule: 8,760 hrs/year.
---	---	---

Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, is it? <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired
--	---

Maximum design heat input and/or maximum horsepower rating: 145,000,000 Btu	Type and Btu/hr rating of burners: 2 Riley Horizontal Flared Type Draft Burners 145,000,000 Btu
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List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.
Coal 10 tons per hour/ 87,600 tons per year.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Coal	1%	9.00%	13,800 btu/ lb

Emissions Data

Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	164.3	709.68
Nitrogen Oxides (NO _x)	58.0	215.11
Lead (Pb)	NA	NA
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)	16.19	70.91
Total Particulate Matter (TSP)	34	148.92
Sulfur Dioxide (SO ₂)	190	832.2
Volatile Organic Compounds (VOC)	22.0	95.92
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Not Applicable		
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
Hydrochloric Acid Aerosols	1.1	4.8
Hydrofluoric Acid	0.87	3.8
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions estimate is unchanged from existing permit- controlled emission rates are based on values determined during an August 1999 stack test. SO2 control efficiency was also determined during this stack test. The particulate control efficiency is an engineering estimate based on stack tests at other coal thermal dryers.</p>		

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit** with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable rules are 45CSR5 and 40CFR60, Subpart Y.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Monitoring, testing, recordkeeping, and reporting will be conducted in accordance with the existing permit requirements.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form

Emission Unit Description Group 002

Emission unit ID number: TL-1; TL-2; TL-3; TL-4; TL-5; TL-6; TL-7; TL-8	Emission unit name: Storage Tanks	List any control devices associated with this emission unit: None
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Provide a description of the emission unit (type, method of operation, design parameters, etc.):
 TL-1 Froth Cell Diesel (main tank), 10,000 gal; TL-2 Diesel 4,000 gal; TL-3 Diesel 5,000 gal; TL-4 Gasoline 2,000 gal; TL-5 Freeze Conditioning 8,000 gal; TL-6 Flocculent 8,000 gal; TL-7 Froth Cell Frother Reagent 3,000 gal; TL-8 Froth Cell Diesel (holding tank) 275 gal.

Manufacturer: NA	Model number: NA	Serial number: NA
Construction date: NA	Installation date: NA	Modification date(s): NA

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): See description above.

Maximum Hourly Throughput: NA	Maximum Annual Throughput: NA	Maximum Operating Schedule: 8,760 hrs/year
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Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? ___ Yes <u> X </u> No	If yes, is it? ___ Indirect Fired ___ Direct Fired
Maximum design heat input and/or maximum horsepower rating:	Type and Btu/hr rating of burners:

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO _x)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)	NA	NA
Total Particulate Matter (TSP)	NA	NA
Sulfur Dioxide (SO ₂)	NA	NA
Volatile Organic Compounds (VOC)	0.81	0.19
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Not Applicable		
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
Not Applicable		
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions estimate is unchanged from existing permit- TANKS.</p>		

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit** with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable rules are 45CSR5 and 40CFR60, Subpart Y.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Monitoring, testing, recordkeeping, and reporting will be conducted in accordance with the existing permit requirements.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form

Emission Unit Description Group 003

Emission unit ID number: SP-1; SP-2; SP-3; SP-4; SP-5	Emission unit name: Storage Piles	List any control devices associated with this emission unit: MC
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Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Coal stockpiles.

Manufacturer: NA	Model number: NA	Serial number: NA
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Construction date: 1990	Installation date: 1990	Modification date(s): NA
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Design Capacity (examples: furnaces - tons/hr, tanks - gallons): NA

Maximum Hourly Throughput: 525 tons per hour	Maximum Annual Throughput: 4,364,030 tons per year	Maximum Operating Schedule: 8,760 hrs/year
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Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? ___ Yes <u> X </u> No	If yes, is it? ___ Indirect Fired ___ Direct Fired
--	--

Maximum design heat input and/or maximum horsepower rating:	Type and Btu/hr rating of burners:
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List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO _x)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)	2.04	8.94
Total Particulate Matter (TSP)	4.29	18.78
Sulfur Dioxide (SO ₂)	NA	NA
Volatile Organic Compounds (VOC)	NA	NA
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Not Applicable		
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
Not Applicable		
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions estimate is unchanged from existing permit- calculation based on estimated maximum footprint area of the stockpile, EPA 450/3-88-008 Sept 1986, Section 4.1.2.2. *TSP divided by 2.1.</p>		

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit** with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable rules are 45CSR5 and 40CFR60, Subpart Y.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Monitoring, testing, recordkeeping, and reporting will be conducted in accordance with the existing permit requirements.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form

Emission Unit Description Group 004

Emission unit ID number: CS-1 CS-2	Emission unit name: Main Rotary Breaker with Scalping Screen Mine Car Dump Breaker with Scalping Screen	List any control devices associated with this emission unit: FE, MC FE, MC
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Provide a description of the emission unit (type, method of operation, design parameters, etc.):
800 tons per hour / 7,008,000 tons per year rotary breaker
800 tons per hour / 7,008,000 tons per year rotary breaker

Manufacturer: NA	Model number: NA	Serial number: NA
Construction date: NA	Installation date: 1977 for both	Modification date(s): NA

Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 800 tons per hour each

Maximum Hourly Throughput: 800 tons per hour each	Maximum Annual Throughput: 7,008,000 tons per year each	Maximum Operating Schedule: 8,760 hrs/year
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Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? ___ Yes <u> X </u> No	If yes, is it? ___ Indirect Fired ___ Direct Fired
--	--

Maximum design heat input and/or maximum horsepower rating:	Type and Btu/hr rating of burners:
--	---

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO _x)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)	24.38	106.79
Total Particulate Matter (TSP)	51.20	224.26
Sulfur Dioxide (SO ₂)	NA	NA
Volatile Organic Compounds (VOC)	NA	NA
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Not Applicable		
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
Not Applicable		
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions estimate is unchanged from existing permit- per WVDEP OAQ guidance an emission factor 0.16 lb/ton of coal processed is assumed to account for emissions generated by both the vibrating screen and the primary crushing activity occurring in the rotary breaker. Control efficiency of 80% for full enclosure applied. *TSP divided by 2.1.</p>		

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or **construction permit** with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable rules are 45CSR5 and 40CFR60, Subpart Y.

Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Monitoring, testing, recordkeeping, and reporting will be conducted in accordance with the existing permit requirements.

Are you in compliance with all applicable requirements for this emission unit? Yes No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form

Emission Unit Description Group 005

Emission unit ID number: FC1 TH1	Emission unit name: Froth Flotation Cell Thickener	List any control devices associated with this emission unit: NA
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Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Froth Flotation Cell is used to separate fine particle sized coal.
 The Thickener is used to promote settling.

Manufacturer: NA	Model number: NA	Serial number: NA
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Construction date: NA	Installation date: NA	Modification date(s): Not Applicable
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Design Capacity (examples: furnaces - tons/hr, tanks - gallons): NA

Maximum Hourly Throughput: 6.52 gal/hr frother reagent 34.87 gal/hr diesel fuel reagent 2.71 gal/hr flocculent	Maximum Annual Throughput: 57,139 gal/yr frother reagent 305,479 gal/yr diesel fuel reagent 23,776 gal/yr flocculent	Maximum Operating Schedule: 8,760 hrs/year
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Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? ___Yes <input checked="" type="checkbox"/> No	If yes, is it? ___ Indirect Fired ___ Direct Fired
--	--

Maximum design heat input and/or maximum horsepower rating:	Type and Btu/hr rating of burners:
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List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO _x)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)	NA	NA
Total Particulate Matter (TSP)	NA	NA
Sulfur Dioxide (SO ₂)	NA	NA
Volatile Organic Compounds (VOC)	25.63	112.25
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Not Applicable		
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
Not Applicable		

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Emissions estimate is unchanged from existing permit- Fine coal froth flotation VOC emission calculations assume 90% of the volatile VOC content of the froth and diesel fuel reagents are released to the atmosphere. Frother and diesel fuel VOC content is estimated at 12% and 9% respectively using a modified Reference Method 24A. Reagent densities are taken from the manufacturer's material safety data sheet. 95% of the anionic flocculent used in water treatment at the thickener is thought to be bound with the particles that settle out.

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable rules are 45CSR5 and 40CFR60, Subpart Y.

X Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Monitoring, testing, recordkeeping, and reporting will be conducted in accordance with the existing permit requirements.

Are you in compliance with all applicable requirements for this emission unit? X Yes ___ No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form

Emission Unit Description Group 006

Emission unit ID number: H-1; H-2; H-3; H-4; H-5; H-6	Emission unit name: Unpaved Haulroads	List any control devices associated with this emission unit: WT
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Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Vehicle haulroads includes delivery of raw coal and placement of refuse in the refuse area. It also includes endloader activity within the stockpile.

Manufacturer: NA	Model number: NA	Serial number: NA
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Construction date: Pre 1977	Installation date: Pre 1977	Modification date(s): NA
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Design Capacity (examples: furnaces - tons/hr, tanks - gallons): NA

Maximum Hourly Throughput: NA	Maximum Annual Throughput: NA	Maximum Operating Schedule: 8,760 hrs/year
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Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? ___ Yes <input checked="" type="checkbox"/> No	If yes, is it? ___ Indirect Fired ___ Direct Fired
---	--

Maximum design heat input and/or maximum horsepower rating:	Type and Btu/hr rating of burners:
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List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO _x)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)	41.09	179.95
Total Particulate Matter (TSP)	86.28	377.9
Sulfur Dioxide (SO ₂)	NA	NA
Volatile Organic Compounds (VOC)	NA	NA
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Not Applicable		
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
Not Applicable		
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions estimate is unchanged from existing permit- Emission factor for Unpaved Roads, AP42, 5th Edition, Section 13.2.2. *TSP divided by 2.1.</p>		

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable rules are 45CSR5 and 40CFR60, Subpart Y.

X Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Monitoring, testing, recordkeeping, and reporting will be conducted in accordance with the existing permit requirements.

Are you in compliance with all applicable requirements for this emission unit? X Yes ___ No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form

Emission Unit Description 007, 008, 009, 00A

Emission unit ID number: TP-1 to TP-29; TP-35 to TP-39; TP-40 to TP-42	Emission unit name: Transfer Points	List any control devices associated with this emission unit: FE; PE; MC
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Provide a description of the emission unit (type, method of operation, design parameters, etc.):
See Attachment D for description.

Manufacturer: ENI Eng. Co.	Model number: Not Applicable	Serial number: Not Applicable
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Construction date: 1977	Installation date: 1977	Modification date(s): Not Applicable
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Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 800 tons per hour maximum

Maximum Hourly Throughput: 800 tons per hour	Maximum Annual Throughput: 7,008,000 tons per year	Maximum Operating Schedule: 8,760 hrs/year
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Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? ___Yes <u>X</u> No	If yes, is it? ___ Indirect Fired ___Direct Fired
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Maximum design heat input and/or maximum horsepower rating:	Type and Btu/hr rating of burners:
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List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	NA	NA
Nitrogen Oxides (NO _x)	NA	NA
Lead (Pb)	NA	NA
Particulate Matter (PM _{2.5})		
Particulate Matter (PM ₁₀)	4.64	20.32
Total Particulate Matter (TSP)	9.75	42.68
Sulfur Dioxide (SO ₂)	NA	NA
Volatile Organic Compounds (VOC)	NA	NA
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Not Applicable		
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY
Not Applicable		
<p>List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).</p> <p>Emissions estimate is unchanged from existing permit- Transfer Points (batch and continuous drop operation), AP42, Section 13.2.4. *TSP divided by 2.1.</p>		

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

Applicable rules are 45CSR5, 45CSR10 and 40CFR60, Subpart Y.

X Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

Monitoring, testing, recordkeeping, and reporting will be conducted in accordance with the existing permit requirements.

Are you in compliance with all applicable requirements for this emission unit? X Yes ___ No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

ATTACHMENT F

SCHEDULE OF COMPLIANCE FORM

ATTACHMENT F - Schedule of Compliance Form

Complete this section if you indicated noncompliance with any of the applicable requirements identified in the permit application. For each emission unit which is not in compliance, identify the applicable requirement, the reason(s) for noncompliance, a description of how the source will achieve compliance, and a detailed schedule of compliance. If there is a consent order that applies to this requirement, attach a copy to this form.

1. Applicable Requirement

Unit(s): Thermal Dryer Group 001

Applicable Requirement: R30-04700017-2008
Conditions 4.1.1(2) and 4.1.6.

2. Reason for Noncompliance:

Consol believes that the particulate matter standards were not achieved due to use of recirculating water for the venture scrubber.

3. How will Compliance be Achieved?

The venturi scrubber system has been modified to use only direct clean water.

4. Consent Order Number (if applicable): NA

5. Schedule of Compliance. Provide a schedule of remedial measures, including an enforceable sequence of actions with milestones, leading to compliance, including a date for final compliance.

Remedial Measure or Action	Date to be Achieved
Modification of venture scrubber water system	Completed August 2012
Stack test modified venture scrubber	To be performed when mine resumes operation

6. Submittal of Progress Reports.

Content of Progress Report:

Report starting date: MM/DD/YYYY

Submittal frequency:

ATTACHMENT G

AIR POLLUTION CONTROL DEVICE FORMS

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: 0007	List all emission units associated with this control device. TD001 Thermal Dryer
--	--

Manufacturer: NA	Model number: NA	Installation date: 06/01/1978
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Type of Air Pollution Control Device:

<input type="checkbox"/> Baghouse/Fabric Filter	<input checked="" type="checkbox"/> Venturi Scrubber	<input type="checkbox"/> Multiclone
<input type="checkbox"/> Carbon Bed Adsorber	<input type="checkbox"/> Packed Tower Scrubber	<input type="checkbox"/> Single Cyclone
<input type="checkbox"/> Carbon Drum(s)	<input type="checkbox"/> Other Wet Scrubber	<input type="checkbox"/> Cyclone Bank
<input type="checkbox"/> Catalytic Incinerator	<input type="checkbox"/> Condenser	<input type="checkbox"/> Settling Chamber
<input type="checkbox"/> Thermal Incinerator	<input type="checkbox"/> Flare	<input type="checkbox"/> Other (describe) _____
<input type="checkbox"/> Wet Plate Electrostatic Precipitator	<input type="checkbox"/> Dry Plate Electrostatic Precipitator	

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter	NA	96%
SO2	NA	79%

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Wet Scrubber: Medium Efficiency

Is this device subject to the CAM requirements of 40 C.F.R. 64? Yes No

If Yes, **Complete ATTACHMENT H**

If No, **Provide justification.**

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Water pressure to scrubber and pressure drop across scrubber.

ATTACHMENT G - Air Pollution Control Device Form

Control device ID number: 0008	List all emission units associated with this control device. TD001 Thermal Dryer
--	--

Manufacturer: NA	Model number: NA	Installation date: 06/01/1978
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Type of Air Pollution Control Device:

<input type="checkbox"/> Baghouse/Fabric Filter	<input type="checkbox"/> Venturi Scrubber	<input type="checkbox"/> Multiclone
<input type="checkbox"/> Carbon Bed Adsorber	<input type="checkbox"/> Packed Tower Scrubber	<input type="checkbox"/> Single Cyclone
<input type="checkbox"/> Carbon Drum(s)	<input type="checkbox"/> Other Wet Scrubber	<input type="checkbox"/> Cyclone Bank
<input type="checkbox"/> Catalytic Incinerator	<input type="checkbox"/> Condenser	<input type="checkbox"/> Settling Chamber
<input type="checkbox"/> Thermal Incinerator	<input type="checkbox"/> Flare	<input checked="" type="checkbox"/> Other (describe) <u>Mist Eliminator</u>
<input type="checkbox"/> Wet Plate Electrostatic Precipitator	<input type="checkbox"/> Dry Plate Electrostatic Precipitator	

List the pollutants for which this device is intended to control and the capture and control efficiencies.

Pollutant	Capture Efficiency	Control Efficiency
Particulate Matter	NA	90%

Explain the characteristic design parameters of this control device (flow rates, pressure drops, number of bags, size, temperatures, etc.).

Is this device subject to the CAM requirements of 40 C.F.R. 64? Yes No

If Yes, **Complete ATTACHMENT H**

If No, **Provide justification.**

Describe the parameters monitored and/or methods used to indicate performance of this control device.

Water pressure to scrubber and pressure drop across scrubber.

ATTACHMENT H

COMPLIANCE ASSURANCE MONITORING (CAM) PLAN FORM

ATTACHMENT H - Compliance Assurance Monitoring (CAM) Plan Form

For definitions and information about the CAM rule, please refer to 40 CFR Part 64. Additional information (including guidance documents) may also be found at <http://www.epa.gov/ttn/emc/cam.html>

CAM APPLICABILITY DETERMINATION

1) Does the facility have a PSEU (Pollutant-Specific Emissions Unit considered separately with respect to **EACH** regulated air pollutant) that is subject to CAM (40 CFR Part 64), which must be addressed in this CAM plan submittal? To determine applicability, a PSEU must meet **all** of the following criteria (*If No, then the remainder of this form need not be completed*):

YES NO

- a. The PSEU is located at a major source that is required to obtain a Title V permit;
- b. The PSEU is subject to an emission limitation or standard for the applicable regulated air pollutant that is **NOT** exempt;

LIST OF EXEMPT EMISSION LIMITATIONS OR STANDARDS:

- NSPS (40 CFR Part 60) or NESHAP (40 CFR Parts 61 and 63) proposed after 11/15/1990.
 - Stratospheric Ozone Protection Requirements.
 - Acid Rain Program Requirements.
 - Emission Limitations or Standards for which a WVDEP Division of Air Quality Title V permit specifies a continuous compliance determination method, as defined in 40 CFR §64.1.
 - An emission cap that meets the requirements specified in 40 CFR §70.4(b)(12).
- c. The PSEU uses an add-on control device (as defined in 40 CFR §64.1) to achieve compliance with an emission limitation or standard;
 - d. The PSEU has potential pre-control device emissions of the applicable regulated air pollutant that are equal to or greater than the Title V Major Source Threshold Levels; AND
 - e. The PSEU is **NOT** an exempt backup utility power emissions unit that is municipally-owned.

BASIS OF CAM SUBMITTAL

2) Mark the appropriate box below as to why this CAM plan is being submitted as part of an application for a Title V permit:

RENEWAL APPLICATION. **ALL** PSEUs for which a CAM plan has **NOT** yet been approved need to be addressed in this CAM plan submittal.

INITIAL APPLICATION (submitted after 4/20/98). **ONLY** large PSEUs (i. e., PSEUs with potential post-control device emissions of an applicable regulated air pollutant that are equal to or greater than Major Source Threshold Levels) need to be addressed in this CAM plan submittal.

SIGNIFICANT MODIFICATION TO LARGE PSEUs. **ONLY** large PSEUs being modified after 4/20/98 need to be addressed in this cam plan submittal. For large PSEUs with an approved CAM plan, **Only** address the appropriate monitoring requirements affected by the significant modification.

3) ^a BACKGROUND DATA AND INFORMATION

Complete the following table for **all** PSEUs that need to be addressed in this CAM plan submittal. This section is to be used to provide background data and information for each PSEU in order to supplement the submittal requirements specified in 40 CFR §64.4. If additional space is needed, attach and label accordingly.

PSEU DESIGNATION	DESCRIPTION	POLLUTANT	CONTROL DEVICE	^b EMISSION LIMITATION or STANDARD	^c MONITORING REQUIREMENT
TD-1	Thermal Dryer	TSP	Venturi Scrubber and Mist Eliminator	40CFR60 Subpart Y	Continuously measure the exit temperature of the thermal dryer; continuously measure the pressure of water supply to scrubber; continuously measure pressure loss through the scrubber.
<u>EXAMPLE</u> Boiler No. 1	Wood-Fired Boiler	PM	Multiclone	45CSR§2-4.1.c.; 9.0 lb/hr	Monitor pressure drop across multiclone: Weekly inspection of multiclone

^a If a control device is common to more than one PSEU, one monitoring plan may be submitted for the control device with the affected PSEUs identified and any conditions that must be maintained or monitored in accordance with 40 CFR §64.3(a). If a single PSEU is controlled by more than one control device similar in design and operation, one monitoring plan for the applicable control devices may be submitted with the applicable control devices identified and any conditions that must be maintained or monitored in accordance with 40 CFR §64.3(a).

^b Indicate the emission limitation or standard for any applicable requirement that constitutes an emission limitation, emission standard, or standard of performance (as defined in 40 CFR §64.1).

^c Indicate the monitoring requirements for the PSEU that are required by an applicable regulation or permit condition.

CAM MONITORING APPROACH CRITERIA

Complete this section for EACH PSEU that needs to be addressed in this CAM plan submittal. This section may be copied as needed for each PSEU. This section is to be used to provide monitoring data and information for EACH indicator selected for EACH PSEU in order to meet the monitoring design criteria specified in 40 CFR §64.3 and §64.4. If more than two indicators are being selected for a PSEU or if additional space is needed, attach and label accordingly with the appropriate PSEU designation, pollutant, and indicator numbers.

4a) PSEU Designation: TD-1	4b) Pollutant: TSP	4c) ^a Indicator No. 1: Water Pressure to Scrubber R30-04700017-2008 Condition (4.2.1(2)(ii)).	4d) ^a Indicator No. 2: Pressure Drop Across Scrubber R30-04700017-2008 Condition (4.2.1(2)(i)).
5a) GENERAL CRITERIA Describe the <u>MONITORING APPROACH</u> used to measure the indicators:		Gauges are monitored by operator during periods of normal operation.	Gauges are monitored by operator during periods of normal operation.
^b Establish the appropriate <u>INDICATOR RANGE</u> or the procedures for establishing the indicator range which provides a reasonable assurance of compliance:		20-30 psi R30-04700017-2008 Condition (4.4.5).	25-35 inches R30-04700017-2008 Condition (4.4.5)
5b) PERFORMANCE CRITERIA Provide the <u>SPECIFICATIONS FOR OBTAINING REPRESENTATIVE DATA</u> , such as detector location, installation specifications, and minimum acceptable accuracy:		Water pressure sensor is located close to the water discharge point. R30-04700017-2008 Condition (4.2.1(2)(ii)).	Pressure drop will be measured through the venture constriction of the control equipment. R30-04700017-2008 Condition (4.2.1(2)(i)).
^c For new or modified monitoring equipment, provide <u>VERIFICATION PROCEDURES</u> , including manufacturer's recommendations, <u>TO CONFIRM THE OPERATIONAL STATUS</u> of the monitoring:		NA. Existing, non-modified equipment.	NA. Existing, non-modified equipment.
Provide <u>QUALITY ASSURANCE AND QUALITY CONTROL (QA/QC) PRACTICES</u> that are adequate to ensure the continuing validity of the data, (i.e., daily calibrations, visual inspections, routine maintenance, RATA, etc.):		Recalibration is conducted annually in accordance with procedures under 40 C.F.R. §60.13(b). R30-04700017-2008 Condition (4.2.2)	Recalibration is conducted annually in accordance with procedures under 40 C.F.R. §60.13(b). R30-04700017-2008 Condition (4.2.2).
^d Provide the <u>MONITORING FREQUENCY</u> :		Continuously monitored and recorded by charts.	Continuously monitored and recorded by charts.
Provide the <u>DATA COLLECTION PROCEDURES</u> that will be used:		Recorded at least once every 12 hours during periods of normal operation. R30-04700017-2008 Condition (4.2.6)	Recorded at least once every 12 hours during periods of normal operation. R30-04700017-2008 Condition (4.2.6)
Provide the <u>DATA AVERAGING PERIOD</u> for the purpose of determining whether an excursion or exceedance has occurred:		Exceedances of the indicator ranges does not specifically indicate an emissions exceedance.	Exceedances of the indicator ranges does not specifically indicate an emissions exceedance.

^a Describe all indicators to be monitored which satisfies 40 CFR §64.3(a). Indicators of emission control performance for the control device and associated capture system may include measured or predicted emissions (including visible emissions or opacity), process and control device operating parameters that affect control device (and capture system) efficiency or emission rates, or recorded findings of inspection and maintenance activities.

^b Indicator Ranges may be based on a single maximum or minimum value or at multiple levels that are relevant to distinctly different operating conditions, expressed as a function of process variables, expressed as maintaining the applicable indicator in a particular operational status or designated condition, or established as interdependent between more than one indicator. For CEMS, COMS, or PEMS, include the most recent certification test for the monitor.

^c The verification for operational status should include procedures for installation, calibration, and operation of the monitoring equipment, conducted in accordance with the manufacturer's recommendations, necessary to confirm the monitoring equipment is operational prior to the commencement of the required monitoring.

^d Emission units with post-control PTE ≥ 100 percent of the amount classifying the source as a major source (i.e., Large PSEU) must collect four or more values per hour to be averaged. A reduced data collection frequency may be approved in limited circumstances. Other emission units must collect data at least once per 24 hour period.

RATIONALE AND JUSTIFICATION

Complete this section for EACH PSEU that needs to be addressed in this CAM plan submittal. This section may be copied as needed for each PSEU. This section is to be used to provide rationale and justification for the selection of EACH indicator and monitoring approach and EACH indicator range in order to meet the submittal requirements specified in 40 CFR §64.4.

6a) PSEU Designation:
TD-1

6b) Regulated Air Pollutant:
TSP

7) **INDICATORS AND THE MONITORING APPROACH**: Provide the rationale and justification for the selection of the indicators and the monitoring approach used to measure the indicators. Also provide any data supporting the rationale and justification. Explain the reasons for any differences between the verification of operational status or the quality assurance and control practices proposed, and the manufacturer's recommendations. (If additional space is needed, attach and label accordingly with the appropriate PSEU designation and pollutant):

Indicators were provided in Title V permit 30-04700017-2003.

8) **INDICATOR RANGES**: Provide the rationale and justification for the selection of the indicator ranges. The rationale and justification shall indicate how EACH indicator range was selected by either a COMPLIANCE OR PERFORMANCE TEST, a TEST PLAN AND SCHEDULE, or by ENGINEERING ASSESSMENTS. Depending on which method is being used for each indicator range, include the specific information required below for that specific indicator range. (If additional space is needed, attach and label accordingly with the appropriate PSEU designation and pollutant):

- COMPLIANCE OR PERFORMANCE TEST (Indicator ranges determined from control device operating parameter data obtained during a compliance or performance test conducted under regulatory specified conditions or under conditions representative of maximum potential emissions under anticipated operating conditions. Such data may be supplemented by engineering assessments and manufacturer's recommendations). The rationale and justification shall INCLUDE a summary of the compliance or performance test results that were used to determine the indicator range, and documentation indicating that no changes have taken place that could result in a significant change in the control system performance or the selected indicator ranges since the compliance or performance test was conducted.
- TEST PLAN AND SCHEDULE (Indicator ranges will be determined from a proposed implementation plan and schedule for installing, testing, and performing any other appropriate activities prior to use of the monitoring). The rationale and justification shall INCLUDE the proposed implementation plan and schedule that will provide for use of the monitoring as expeditiously as practicable after approval of this CAM plan, except that in no case shall the schedule for completing installation and beginning operation of the monitoring exceed 180 days after approval.
- ENGINEERING ASSESSMENTS (Indicator Ranges or the procedures for establishing indicator ranges are determined from engineering assessments and other data, such as manufacturers' design criteria and historical monitoring data, because factors specific to the type of monitoring, control device, or PSEU make compliance or performance testing unnecessary). The rationale and justification shall INCLUDE documentation demonstrating that compliance testing is not required to establish the indicator range.

RATIONALE AND JUSTIFICATION:

Compliance testing conducted for this permit application.

ATTACHMENT I

APPLICABILITY / NON-APPLICABILITY DETERMINATION TABLE

CONSOL Amonate Facility LLC		
Amonate Preparation Plant		
40 CFR Part 60 Applicability		
Subpart	Rule	Applicable
A	General Provisions	Applicable
B	Adoption And Submittal Of State Plans For Designated Facilities	Not applicable, not an affected source.
C	Emission Guidelines And Compliance Times	Not applicable, not an affected source.
Ca	[Reserved]	
Cb	Emission Guidelines And Compliance Times For Large Municipal Waste Combustors That Are Constructed On Or Before September 20, 1994	Not applicable, not an affected source.
Cc	Emission Guidelines And Compliance Times For Municipal Solid Waste Landfills	Not applicable, not an affected source.
Cd	Emissions Guidelines And Compliance Times For Sulfuric Acid Production Units	Not applicable, not an affected source.
Ce	Emission Guidelines And Compliance Times For Hospital/Medical/Infectious Waste Incinerators	Not applicable, not an affected source.
D	Standards Of Performance For Fossil-Fuel-Fired Steam Generators	Not applicable, not an affected source.
Da	Standards Of Performance For Electric Utility Steam Generating Units	Not applicable, not an affected source.
Db	Standards Of Performance For Industrial-Commercial-Institutional Steam Generating Units	Not applicable, not an affected source.
Dc	Standards Of Performance For Small Industrial-Commercial-Institutional Steam Generating Units	Not applicable, not an affected source.
E	Standards Of Performance For Incinerators	Not applicable, not an affected source.
Ea	Standards Of Performance For Municipal Waste Combustors For Which Construction Is Commenced After December 20, 1989 And On Or Before September 20, 1994	Not applicable, not an affected source.
Eb	Standards Of Performance For Large Municipal Waste Combustors For Which Construction Is Commenced After September 20, 1994 Or For Which Modification Or Reconstruction Is Commenced After June 19, 1996	Not applicable, not an affected source.
Ec	Standards Of Performance For Hospital/Medical/Infectious Waste Incinerators For Which Construction Is Commenced After June 20, 1996	Not applicable, not an affected source.
F	Standards Of Performance For Portland Cement Plants	Not applicable, not an affected source.
G	Standards Of Performance For Nitric Acid Plants	Not applicable, not an affected source.
Ga	Standards Of Performance For Nitric Acid Plants For Which Construction, Reconstruction, Or Modification Commenced After October 14, 2011	Not applicable, not an affected source.
H	Standards Of Performance For Sulfuric Acid Plants	Not applicable, not an affected source.
I	Standards Of Performance For Asphalt Concrete Plants	Not applicable, not an affected source.
J	Standards Of Performance For Petroleum Refineries	Not applicable, not an affected source.
Ja	Standards Of Performance For Petroleum Refineries For Which Construction, Reconstruction, Or Modification Commenced After May 14, 2007	Not applicable, not an affected source.
K	Standards Of Performance For Storage Vessels For Petroleum Liquids For Which Construction, Reconstruction, Or Modification Commenced After June 11, 1973, And Prior To May 19, 1978	Not applicable, not an affected source.
Ka	Standards Of Performance For Storage Vessels For Petroleum Liquids For Which Construction, Reconstruction, Or Modification Commenced After May 18, 1978, And Prior To July 23, 1984	Not applicable, not an affected source.
Kb	Standards Of Performance For Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) For Which Construction, Reconstruction, Or Modification Commenced After July 23, 1984	Not applicable, not an affected source.
L	Standards Of Performance For Secondary Lead Smelters	Not applicable, not an affected source.
M	Standards Of Performance For Secondary Brass And Bronze Production Plants	Not applicable, not an affected source.

Subpart	Rule	Applicable
N	Standards Of Performance For Primary Emmisions From Basic Oxygen Process Furnaces For Which Construction Is Commenced After June 11, 1973	Not applicable, not an affected source.
Na	Standards Of Performance For Secondary Emissions From Basic oxygen Process Steelmaking Facilities For Which Construction Is Commenced After January 20, 1983	Not applicable, not an affected source.
O	Standards Of Performance For Sewage Treatment Plants	Not applicable, not an affected source.
P	Standards Of Performance For Primary Copper Smelters	Not applicable, not an affected source.
Q	Standards Of Performance For Primary Zinc Smelters	Not applicable, not an affected source.
R	Standards Of Performance For Primary Lead Smelters	Not applicable, not an affected source.
S	Standards Of Performance For Primary Aluminum Reduction Plants	Not applicable, not an affected source.
T	Standards Of Performance For The Phosphate Fertilizer Industry: Wet-Process Phosphoric Acid Plants	Not applicable, not an affected source.
U	Standards Of Performance For The Phosphate Fertilizer Industry: Superphosphoric Acid Plants	Not applicable, not an affected source.
V	Standards Of Performance For The Phosphate Fertilizer Industry: Diammonium Phosphate Plants	Not applicable, not an affected source.
W	Standards Of Performance For The Phosphate Fertilizer Industry: Triple Superphosphate Plants	Not applicable, not an affected source.
X	Standards Of Performance For The Phosphate Fertilizer Industry: Granular Triple Superphosphate Storage Facilities	Not applicable, not an affected source.
Y	Standards Of Performance For Coal Preparation And Processing Plants	Applicable
Z	Standards Of Performance For Ferroalloy Production Facilities	Not applicable, not an affected source.
AA	Standards Of Performance For Steel Plants: Electric Arc Furnaces Constructed After October 21, 1974 And On Or Before August 17, 1983	Not applicable, not an affected source.
Aaa	Standards Of Performance For Steel Plants: Electric Arc Furnaces And Argon-Oxygen Decarburization Vessels Constructed After August 17, 1983	Not applicable, not an affected source.
BB	Standards Of Performance For Kraft Pulp Mills	Not applicable, not an affected source.
CC	Standards Of Performance For Glass Manufacturing Plants	Not applicable, not an affected source.
DD	Standards Of Performance For Grain Elevators	Not applicable, not an affected source.
EE	Standards Of Performance For Surface Coating Of Metal Furniture	Not applicable, not an affected source.
FF	[Reserved]	
GG	Standards Of Performance For Stationary Gas Turbines	Not applicable, not an affected source.
HH	Standards Of Performance For Lime Manufacturing Plants	Not applicable, not an affected source.
KK	Standards Of Performance For Lead-Acid Battery Manufacturing Plants	Not applicable, not an affected source.
LL	Standards Of Performance For Metallic Mineral Processing Plants	Not applicable, not an affected source.
MM	Standards Of Performance For Automobile And Light-Duty Truck Surface Coating Operations	Not applicable, not an affected source.
NN	Standards Of Performance For Phosphate Rock Plants	Not applicable, not an affected source.
PP	Standards Of Performance For Ammonium Sulfate Manufacture	Not applicable, not an affected source.
QQ	Standards Of Performance For The Graphic Arts Industry: Publication Rotogravure Printing	Not applicable, not an affected source.
RR	Standards Of Performance For Pressure Sensitive Tape And Label Surface Coating Operations	Not applicable, not an affected source.
SS	Standards Of Performance For Industrial Surface Coating: Large Appliances	Not applicable, not an affected source.
TT	Standards Of Performance For Metal Coil Surface Coating	Not applicable, not an affected source.
UU	Standards Of Performance For Asphalt Processing And Asphalt Roofing Manufacture	Not applicable, not an affected source.
VV	Standards Of Performance For Equipment Leaks Of VOC In The Synthetic Organic Chemicals Manufacturing Industry For Which Construction, Reconstruction, Or Modification Commenced After January 5, 1981, And On Or Before November 7, 2006	Not applicable, not an affected source.

Subpart	Rule	Applicable
Vva	Standards Of Performance For Equipment Leaks Of VOC In The Synthetic Organic Chemicals Manufacturing Industry For Which Construction, Reconstruction, Or Modification Commenced After November 7, 2006	Not applicable, not an affected source.
WW	Standards Of Performance For The Beverage Can Surface Coating Industry	Not applicable, not an affected source.
XX	Standards Of Performance For Bulk Gasoline Terminals	Not applicable, not an affected source.
AAA	Standards Of Performance For New Residential Wood Heaters	Not applicable, not an affected source.
BBB	Standards Of Performance For The Rubber Tire Manufacturing Industry	Not applicable, not an affected source.
CCC	[Reserved]	
DDD	Standards Of Performance For Volatile Organic Compound (VOC) Emissions From The Polymer Manufacturing industry	Not applicable, not an affected source.
EEE	[Reserved]	
FFF	Standards Of Performance For Flexible Vinyl And Urethane Coating And Printing	Not applicable, not an affected source.
GGG	Standards Of Performance For Equipment Leaks Of VOC In Petroleum Refineries For Which Construction, Reconstruction, Or Modification Commenced After January 4, 1983, And On Or Before November 7, 2006	Not applicable, not an affected source.
GGGa	Standards Of Performance For Equipment Leaks Of VOC In Petroleum Refineries For Which Construction, Reconstruction, Or Modification Commenced After November 7, 2006	Not applicable, not an affected source.
HHH	Standards Of Performance For Synthetic Fiber Production Facilities	Not applicable, not an affected source.
III	Standards Of Performance For Volatile Organic Compound (VOC) Emissions From The Synthetic Organic Chemical Manufacturing Industry (SOCMI) Air Oxidation Unit Processes	Not applicable, not an affected source.
JJJ	Standards Of Performance For Petroleum Dry Cleaners	Not applicable, not an affected source.
KKK	Standards Of Performance For Equipment Leaks Of VOC From Onshore Natural Gas Processing Plants For Which Construction, Reconstruction, Or Modification Commenced After January 20, 1984, And On Or Before August 23, 2011	Not applicable, not an affected source.
LLL	Standards Of Performance For SO ₂ Emissions From Onshore Natural Gas Processing For Which Construction, Reconstruction, Or Modification Commenced After January 20, 1984, And On Or Before August 23, 2011	Not applicable, not an affected source.
MMM	[Reserved]	
NNN	Standards Of Performance For Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations	Not applicable, not an affected source.
OOO	Standards Of Performance For Nonmetallic Mineral Processing Plants	Not applicable, not an affected source.
PPP	Standard Of Performance For Wool Fiberglass Insulation Manufacturing Plants	Not applicable, not an affected source.
QQQ	Standards Of Performance For VOC Emissions From Petroleum Refinery Wastewater Systems	Not applicable, not an affected source.
RRR	Standards Of Performance For Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor	Not applicable, not an affected source.
SSS	Standards Of Performance For Magnetic Tape Coating Facilities	Not applicable, not an affected source.
TTT	Standards Of Performance For Industrial Surface Coating: Surface Coating Of Plastic Parts For Business Machines	Not applicable, not an affected source.
UUU	Standards Of Performance For Calciners And Dryers In Mineral Industries	Not applicable, not an affected source.
VVV	Standards Of Performance For Polymeric Coating Of Supporting Substrates Facilities	Not applicable, not an affected source.
WWW	Standards Of Performance For Municipal Solid Waste Landfills	Not applicable, not an affected source.
AAAA	Standards Of Performance For Small Municipal Waste Combustion Units For Which Construction Is Commenced After August 30, 1999 Or For Which Modification Or Reconstruction Is Commenced After June 6, 2001	Not applicable, not an affected source.
BBBB	Emission Guidelines And Compliance Times For Small Municipal Waste Combustion Units Constructed On Or Before August 30, 1999	Not applicable, not an affected source.

Subpart	Rule	Applicable
CCCC	Standards Of Performance For Commercial And Industrial Solid Waste Incineration Units For Which Construction Is Commenced After November 30, 1999 Or For Which Modification Or Reconstruction Is Commenced On Or After June 1, 2001	Not applicable, not an affected source.
DDDD	Emissions Guidelines And Compliance Times For Commercial And Industrial Solid Waste Incineration Units That Commenced Construction On Or Before November 30, 1999	Not applicable, not an affected source.
EEEE	Standards Of Performance For Other Solid Waste Incineration Units For Which Construction Is Commenced After December 9, 2004, Or For Which Modification Or Reconstruction Is Commenced On Or After June 16, 2006	Not applicable, not an affected source.
FFFF	Emission Guidelines and Compliance Times for Other Solid Waste Incineration Units That Commenced Construction On or Before December 9, 2004	Not applicable, not an affected source.
GGGG	[Reserved]	
HHHH	[Reserved]	
IIII	Standards Of Performance For Stationary Compression Ignition Internal Combustion Engines	Not applicable, not an affected source.
JJJJ	Standards Of Performance For Stationary Spark Ignition Internal Combustion Engines	Not applicable, not an affected source.
KKKK	Standards Of Performance For Stationary Combustion Turbines	Not applicable, not an affected source.
LLLL	Standards Of Performance For New Sewage Sludge Incineration Units	Not applicable, not an affected source.
MMMM	Emission Guidelines And Compliance Times For Existing Sewage Sludge Incineration Units	Not applicable, not an affected source.
OOOO	Standards Of Performance For Crude Oil And Natural Gas Production, Transmission And Distribution	Not applicable, not an affected source.

CONSOL Amonate Facility LLC		
Amonate Preparation Plant		
40 CFR Part 63 Applicability		
Subpart	Rule	Applicable
A	General Provisions	Not applicable, not a major source of HAP emissions.
B	Requirements For Control Technology Determinations For Major Sources In Accordance With Clean Air Act Sections, Sections 112(g) And 112(j)	Not applicable, not a major source of HAP emissions.
C	List Of Hazardous Air Pollutants, Petition Process, Lesser Quantity Designations, Source Category List	Not applicable, not a major source of HAP emissions.
D	Regulations Governing Compliance Extensions For Early Reductions Of Hazardous Air Pollutants	Not applicable, not a major source of HAP emissions.
E	Approval Of State Programs And Delegation Of Federal Authorities	Not applicable, not a major source of HAP emissions.
F	National Emission Standards For Organic Hazardous Air Pollutants From The Synthetic Organic Chemical Manufacturing Industry	Not applicable, not a major source of HAP emissions.
G	National Emission Standards For Organic Hazardous Air Pollutants From The Synthetic Organic Chemical Manufacturing Industry For Process Vents, Storage Vessels, Transfer Operations, And Wastewater	Not applicable, not a major source of HAP emissions.
H	National Emission Standards For Organic Hazardous Air Pollutants For Equipment Leaks	Not applicable, not a major source of HAP emissions.
I	National Emission Standards For Organic Hazardous Air Pollutants For Certain Processes Subject To The Negotiated Regulation For Equipment Leaks	Not applicable, not a major source of HAP emissions.
J	National Emission Standards For Hazardous Air Pollutants For Polyvinyl Chloride And Copolymers Production	Not applicable, not a major source of HAP emissions.
K	[Reserved]	
L	National Emission Standards For Coke Oven Batteries	Not applicable, not a major source of HAP emissions.
M	National Perchloroethylene Air Emission Standards For Dry Cleaning Facilities	Not applicable, not a major source of HAP emissions.
N	National Emission Standards For Chromium Emissions From Hard And Decorative Chromium Electroplating And Chromium Anodizing Tanks	Not applicable, not a major source of HAP emissions.
O	Ethylene Oxide Emissions Standards For Sterilization Facilities	Not applicable, not a major source of HAP emissions.
P	[Reserved]	
Q	National Emission Standards For Hazardous Air Pollutants For Industrial Process Cooling Towers	Not applicable, not a major source of HAP emissions.
R	National Emission Standards For Gasoline Distribution Facilities (Bulk Gasoline Terminals And Pipeline Breakout Stations)	Not applicable, not a major source of HAP emissions.
S	National Emission Standards For Hazardous Air Pollutants From The Pulp And Paper Industry	Not applicable, not a major source of HAP emissions.
T	National Emission Standards For Halogenated Solvent Cleaning	Not applicable, not a major source of HAP emissions.
U	National Emission Standards For Hazardous Air Pollutant Emissions: Group I Polymers And Resins	Not applicable, not a major source of HAP emissions.
V	[Reserved]	
W	National Emission Standards For Hazardous Air Pollutants For Epoxy Resins Production And Non-Nylon Polyamides Production	Not applicable, not a major source of HAP emissions.
X	National Emission Standards For Hazardous Air Pollutants From Secondary Lead Smelting	Not applicable, not a major source of HAP emissions.
Y	National Emission Standards For Marine Tank Vessel Loading Operations	Not applicable, not a major source of HAP emissions.
Z	[Reserved]	
AA	National Emission Standards For Hazardous Air Pollutants From Phosphoric Acid Manufacturing Plants	Not applicable, not a major source of HAP emissions.
BB	National Emission Standards For Hazardous Air Pollutants From Phosphate Fertilizers Production Plants	Not applicable, not a major source of HAP emissions.
CC	National Emission Standards For Hazardous Air Pollutants From Petroleum Refineries	Not applicable, not a major source of HAP emissions.
DD	National Emission Standards For Hazardous Air Pollutants From Off-Site Waste And Recovery Operations	Not applicable, not a major source of HAP emissions.
EE	National Emission Standards For Magnetic Tape Manufacturing Operations	Not applicable, not a major source of HAP emissions.
FF	[Reserved]	
GG	National Emission Standards For Aerospace Manufacturing And Rework Facilities	Not applicable, not a major source of HAP emissions.
HH	National Emission Standards For Hazardous Air Pollutants From Oil And Natural Gas Production Facilities	Not applicable, not a major source of HAP emissions.
II	National Emission Standards For Shipbuilding And Ship Repair (Surface Coating)	Not applicable, not a major source of HAP emissions.
JJ	National Emission Standards For Wood Furniture Manufacturing Operations	Not applicable, not a major source of HAP emissions.
KK	National Emission Standards For The Printing And Publishing Industry	Not applicable, not a major source of HAP emissions.
LL	National Emission Standards For Hazardous Air Pollutants For Primary Aluminum Reduction Plants	Not applicable, not a major source of HAP emissions.
MM	National Emission Standards For Hazardous Air Pollutants For Chemical Recovery Combustion Sources At Kraft, Soda, Sulfite, And Stand-Alone Semichemical Pulp Mills	Not applicable, not a major source of HAP emissions.
OO	National Emission Standards For Tanks-Level 1	Not applicable, not a major source of HAP emissions.
PP	National Emission Standards For Containers	Not applicable, not a major source of HAP emissions.
QQ	National Emission Standards For Surface Impoundments	Not applicable, not a major source of HAP emissions.
RR	National Emission Standards For Individual Drain Systems	Not applicable, not a major source of HAP emissions.

SS	National Emission Standards For Closed Vent Systems, Control Devices, Recovery Devices And Routing To A Fuel Gas System Or A Process	Not applicable, not a major source of HAP emissions.
TT	National Emission Standards For Equipment Leaks--Control Level 1	Not applicable, not a major source of HAP emissions.
UU	National Emission Standards For Equipment Leaks--Control Level 2 Standards	Not applicable, not a major source of HAP emissions.
VV	National Emission Standards For Oil-Water Separators And Organic-Water Separators	Not applicable, not a major source of HAP emissions.
WW	National Emission Standards For Storage Vessels (Tanks)--Control Level 2	Not applicable, not a major source of HAP emissions.
XX	National Emission Standards For Ethylene Manufacturing Process Units: Heat Exchange Systems And Waste Operations	Not applicable, not a major source of HAP emissions.
YY	National Emission Standards For Hazardous Air Pollutants For Source Categories: Generic Maximum Achievable Control Technology Standards	Not applicable, not a major source of HAP emissions.
ZZ-BBB	[Reserved]	
CCC	National Emission Standards For Hazardous Air Pollutants For Steel Pickling--HCl Process Facilities And Hydrochloric Acid Regeneration Plants	Not applicable, not a major source of HAP emissions.
DDD	National Emission Standards For Hazardous Air Pollutants For Mineral Wool Production	Not applicable, not a major source of HAP emissions.
EEE	National Emission Standards For Hazardous Air Pollutants From Hazardous Waste Combustors	Not applicable, not a major source of HAP emissions.
FFF	[Reserved]	
GGG	National Emission Standards For Pharmaceuticals Production	Not applicable, not a major source of HAP emissions.
HHH	National Emission Standards For Hazardous Air Pollutants From Natural Gas Transmission And Storage Facilities	Not applicable, not a major source of HAP emissions.
III	National Emission Standards For Hazardous Air Pollutants For Flexible Polyurethane Foam Production	Not applicable, not a major source of HAP emissions.
JJJ	National Emission Standards For Hazardous Air Pollutant Emissions: Group IV Polymers And Resins	Not applicable, not a major source of HAP emissions.
KKK	[Reserved]	
LLL	National Emission Standards For Hazardous Air Pollutants From The Portland Cement Manufacturing Industry	Not applicable, not a major source of HAP emissions.
MMM	National Emission Standards For Hazardous Air Pollutants For Pesticide Active Ingredient Production	Not applicable, not a major source of HAP emissions.
NNN	National Emission Standards For Hazardous Air Pollutants For Wool Fiberglass Manufacturing	Not applicable, not a major source of HAP emissions.
OOO	National Emission Standards For Hazardous Air Pollutant Emissions: Manufacture Of Amino/Phenolic Resins	Not applicable, not a major source of HAP emissions.
PPP	National Emission Standards For Hazardous Air Pollutant Emissions For Polyether Polyols Production	Not applicable, not a major source of HAP emissions.
QQQ	National Emission Standards For Hazardous Air Pollutants For Primary Copper Smelting	Not applicable, not a major source of HAP emissions.
RRR	National Emission Standards For Hazardous Air Pollutants For Secondary Aluminum Production	Not applicable, not a major source of HAP emissions.
SSS	[Reserved]	
TTT	National Emission Standards For Hazardous Air Pollutants For Primary Lead Smelting	Not applicable, not a major source of HAP emissions.
UUU	National Emission Standards For Hazardous Air Pollutants For Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, And Sulfur Recovery Units	Not applicable, not a major source of HAP emissions.
VVV	National Emission Standards For Hazardous Air Pollutants: Publicly Owned Treatment Works	Not applicable, not a major source of HAP emissions.
WWW	[Reserved]	
XXX	National Emission Standards For Hazardous Air Pollutants For Ferroalloys Production: Ferromanganese And Silicomanganese	Not applicable, not a major source of HAP emissions.
AAAA	National Emission Standards For Hazardous Air Pollutants: Municipal Solid Waste Landfills	Not applicable, not a major source of HAP emissions.
CCCC	National Emission Standards For Hazardous Air Pollutants: Manufacturing Of Nutritional Yeast	Not applicable, not a major source of HAP emissions.
DDDD	National Emission Standards For Hazardous Air Pollutants: Plywood And Composite Wood Products	Not applicable, not a major source of HAP emissions.
EEEE	National Emission Standards For Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)	Not applicable, not a major source of HAP emissions.
FFFF	National Emission Standards For Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing	Not applicable, not a major source of HAP emissions.
GGGG	National Emission Standards For Hazardous Air Pollutants: Solvent Extraction For Vegetable Oil Production	Not applicable, not a major source of HAP emissions.
HHHH	National Emission Standards For Hazardous Air Pollutants For Wet-Formed Fiberglass Mat Production	Not applicable, not a major source of HAP emissions.
IIII	National Emission Standards For Hazardous Air Pollutants: Surface Coating Of Automobiles And Light-Duty Trucks	Not applicable, not a major source of HAP emissions.
JJJJ	National Emission Standards For Hazardous Air Pollutants: Paper And Other Web Coating	Not applicable, not a major source of HAP emissions.
KKKK	National Emission Standards For Hazardous Air Pollutants: Surface Coating Of Metal Cans	Not applicable, not a major source of HAP emissions.
MMMM	National Emission Standards For Hazardous Air Pollutants For Surface Coating Of Miscellaneous Metal Parts And Products	Not applicable, not a major source of HAP emissions.
NNNN	National Emission Standards For Hazardous Air Pollutants: Surface Coating Of Large Appliances	Not applicable, not a major source of HAP emissions.
OOOO	National Emission Standards For Hazardous Air Pollutants: Printing, Coating, And Dyeing Of Fabrics And Other Textiles	Not applicable, not a major source of HAP emissions.
PPPP	National Emission Standards For Hazardous Air Pollutants For Surface Coating Of Plastic Parts And Products	Not applicable, not a major source of HAP emissions.
QQQQ	National Emission Standards For Hazardous Air Pollutants: Surface Coating Of Wood Building Products	Not applicable, not a major source of HAP emissions.
RRRR	National Emission Standards For Hazardous Air Pollutants: Surface Coating Of Metal Furniture	Not applicable, not a major source of HAP emissions.
SSSS	National Emission Standards For Hazardous Air Pollutants: Surface Coating Of Metal Coil	Not applicable, not a major source of HAP emissions.
TTTT	National Emission Standards For Hazardous Air Pollutants For Leather Finishing Operations	Not applicable, not a major source of HAP emissions.
UUUU	National Emission Standards For Hazardous Air Pollutants For Cellulose Products Manufacturing	Not applicable, not a major source of HAP emissions.

VVVV	National Emission Standards For Hazardous Air Pollutants For Boat Manufacturing	Not applicable, not a major source of HAP emissions.
WWWWW	National Emissions Standards For Hazardous Air Pollutants: Reinforced Plastic Composites Production	Not applicable, not a major source of HAP emissions.
XXXX	National Emission Standards For Hazardous Air Pollutants: Rubber Tire Manufacturing	Not applicable, not a major source of HAP emissions.
YYYY	National Emission Standards for Hazardous Air Pollutants For Stationary Combustion Turbines	Not applicable, not a major source of HAP emissions.
ZZZZ	National Emission Standards For Hazardous Air Pollutants For Stationary Reciprocating Internal Combustion Engines	Not applicable, not a major source of HAP emissions.
AAAAA	National Emission Standards For Hazardous Air Pollutants For Lime Manufacturing Plants	Not applicable, not a major source of HAP emissions.
BBBBB	National Emission Standards For Hazardous Air Pollutants For Semiconductor Manufacturing	Not applicable, not a major source of HAP emissions.
CCCC	National Emission Standards For Hazardous Air Pollutants For Coke Ovens: Pushing, Quenching, And Battery Stacks	Not applicable, not a major source of HAP emissions.
DDDDD	National Emission Standards For Hazardous Air Pollutants For Major Sources: Industrial, Commercial, And Institutional Boilers And Process Heaters	Not applicable, not a major source of HAP emissions.
EEEE	National Emission Standards For Hazardous Air Pollutants For Iron And Steel Foundries	Not applicable, not a major source of HAP emissions.
FFFF	National Emission Standards For Hazardous Air Pollutants For Integrated Iron And Steel Manufacturing Facilities	Not applicable, not a major source of HAP emissions.
GGGG	National Emission Standards For Hazardous Air Pollutants: Site Remediation	Not applicable, not a major source of HAP emissions.
HHHH	National Emission Standards For Hazardous Air Pollutants: Miscellaneous Coating Manufacturing	Not applicable, not a major source of HAP emissions.
IIII	National Emission Standards For Hazardous Air Pollutants: Mercury Emissions From Mercury Cell Chlor-Alkali Plants	Not applicable, not a major source of HAP emissions.
JJJJ	National Emission Standards For Hazardous Air Pollutants For Brick And Structural Clay Products Manufacturing	Not applicable, not a major source of HAP emissions.
KKKK	National Emission Standards For Hazardous Air Pollutants For Clay Ceramics Manufacturing	Not applicable, not a major source of HAP emissions.
LLLL	National Emission Standards For Hazardous Air Pollutants: Asphalt Processing And Asphalt Roofing Manufacturing	Not applicable, not a major source of HAP emissions.
MMMM	National Emission Standards For Hazardous Air Pollutants: Flexible Polyurethane Foam Fabrication Operations	Not applicable, not a major source of HAP emissions.
NNNN	National Emission Standards For Hazardous Air Pollutants: Hydrochloric Acid Production	Not applicable, not a major source of HAP emissions.
OQQQ	[Reserved]	
PPPP	National Emission Standards For Hazardous Air Pollutants For Engine Test Cells/Stands	Not applicable, not a major source of HAP emissions.
QQQQ	National Emission Standards For Hazardous Air Pollutants For Friction Materials Manufacturing Facilities	Not applicable, not a major source of HAP emissions.
RRRR	National Emission Standards For Hazardous Air Pollutants: Taconite Iron Ore Processing	Not applicable, not a major source of HAP emissions.
SSSS	National Emission Standards For Hazardous Air Pollutants For Refractory Products Manufacturing	Not applicable, not a major source of HAP emissions.
TTTT	National Emissions Standards For Hazardous Air Pollutants For Primary Magnesium Refining	Not applicable, not a major source of HAP emissions.
UUUU	National Emission Standards For Hazardous Air Pollutants: Coal- And Oil-Fired Electric Utility Steam Generating Units	Not applicable, not a major source of HAP emissions.
VVVV	[Reserved]	
WWWWW	National Emission Standards For Hospital Ethylene Oxide Sterilizers	Not applicable, not a major source of HAP emissions.
XXXX	[Reserved]	Not applicable, not a major source of HAP emissions.
YYYY	National Emission Standards For Hazardous Air Pollutants For Area Sources: Electric Arc Furnace Steelmaking Facilities	Not applicable, not a major source of HAP emissions.
ZZZZ	National Emission Standards For Hazardous Air Pollutants For Iron And Steel Foundries Area Sources	Not applicable, not a major source of HAP emissions.
AAAAA	[Reserved]	Not applicable, not a major source of HAP emissions.
BBBBB	National Emission Standards For Hazardous Air Pollutants For Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, And Pipeline Facilities	Not applicable, not a major source of HAP emissions.
CCCCC	National Emission Standards For Hazardous Air Pollutants For Source Category: Gasoline Dispensing Facilities	Not applicable, not a major source of HAP emissions.
DDDDD	National Emission Standards For Hazardous Air Pollutants For Polyvinyl Chloride And Copolymers Production Area Sources	Not applicable, the facility does not manufacture polyvinyl chloride or copolymers.
EEEE	National Emission Standards For Hazardous Air Pollutants For Primary Copper Smelting Area Sources	Not applicable, the facility is not a primary copper smelting facility
FFFF	National Emission Standards For Hazardous Air Pollutants For Secondary Copper Smelting Area Sources	Not applicable, the facility does not manufacture For Secondary Copper Smelting facility
GGGGG	National Emission Standards For Hazardous Air Pollutants For Primary Nonferrous Metals Area Sources--Zinc, Cadmium, And Beryllium	Not applicable, the facility does not manufacture For Primary Nonferrous Metals Area Sources--Zinc, Cadmium, And Beryllium
HHHHH	National Emission Standards For Hazardous Air Pollutants: Paint Stripping And Miscellaneous Surface Coating Operations At Area Sources	Not applicable, the facility does not perform paint stripping or miscellaneous surface coating operations.
IIIII	[Reserved]	
JJJJJ	National Emission Standards For Hazardous Air Pollutants For Industrial, Commercial, And Institutional Boilers Area Sources	Not applicable, thermal dryer is not an affected source.
KKKKK	[Reserved]	
LLLLL	National Emission Standards For Hazardous Air Pollutants For Acrylic And Modacrylic Fibers Production Area Sources	Not applicable, the facility does not manufacture For Acrylic And Modacrylic Fibers Production facility
MMMMM	National Emission Standards For Hazardous Air Pollutants For Carbon Black Production Area Sources	Not applicable, the facility does not manufacture For Carbon Black Production facility

NNNNNN	National Emission Standards For Hazardous Air Pollutants For Chemical Manufacturing Area Sources: Chromium Compounds	Not applicable, the facility does not manufacture For Chemical Manufacturing Area Sources: Chromium Compounds
OOOOOO	National Emission Standards For Hazardous Air Pollutants For Flexible Polyurethane Foam Production And Fabrication Area Sources	Not applicable, the facility does not manufacture For Flexible Polyurethane Foam Production And Fabrication facility
PPPPPP	National Emission Standards For Hazardous Air Pollutants For Lead Acid Battery Manufacturing Area Sources	Not applicable, the facility does not manufacture For Lead Acid Battery Manufacturing facility
QQQQQQ	National Emission Standards For Hazardous Air Pollutants For Wood Preserving Area Sources	Not applicable, the facility does not manufacture For Wood Preserving facility
RRRRRR	National Emission Standards For Hazardous Air Pollutants For Clay Ceramics Manufacturing Area Sources	Not applicable, the facility is not a clay ceramics manufacturing facility.
SSSSSS	National Emission Standards For Hazardous Air Pollutants For Glass Manufacturing Area Sources	Not applicable, the facility is not a glass manufacturing facility.
TTTTTT	National Emission Standards For Hazardous Air Pollutants For Secondary Nonferrous Metals Processing Area Sources	Not applicable, the facility is not a secondary nonferrous metals processing facility
UUUUUU	[Reserved]	
VVVVVV	National Emission Standards For Hazardous Air Pollutants For Chemical Manufacturing Area Sources	Not applicable, the facility is not a chemical manufacturing facility
WWWWWW	National Emission Standards For Hazardous Air Pollutants: Area Source Standards For Plating And Polishing Operations	Not applicable, the facility does not conduct plating And polishing operations.
XXXXXX	National Emission Standards For Hazardous Air Pollutants Area Source Standards For Nine Metal Fabrication And Finishing Source Categories	Not applicable, the facility does not perform metal fabrication and finishing.
YYYYYY	National Emission Standards For Hazardous Air Pollutants For Area Sources: Ferroalloys Production Facilities	Not applicable, the facility is not a ferroalloys production facility.
ZZZZZZ	National Emission Standards For Hazardous Air Pollutants: Area Source Standards For Aluminum, Copper, And Other Nonferrous Foundries	Not applicable, the facility does not conduct aluminum, copper, or other nonferrous foundries operations.
AAAAAA	National Emission Standards For Hazardous Air Pollutants For Area Sources: Asphalt Processing And Asphalt Roofing Manufacturing	Not applicable, the facility is not an asphalt processing or asphalt roofing manufacturing facility.
BBBBBB	National Emission Standards For Hazardous Air Pollutants For Area Sources: Chemical Preparations Industry	Not applicable, the facility does not manufacture chemicals.
CCCCCC	National Emission Standards For Hazardous Air Pollutants For Area Sources: Paints And Allied Products Manufacturing	Not applicable, the facility does not manufacture paints or allied products.
DDDDDD	National Emission Standards For Hazardous Air Pollutants For Area Sources: Prepared Feeds Manufacturing	Not applicable, the facility does not manufacture prepared feeds.
EEEEEE	National Emission Standards For Hazardous Air Pollutants: Gold Mine Ore Processing And Production Area Source Category	Not applicable, the facility is not a gold mine ore processing and production facility.
FFFFFFF-	[Reserved]	
HHHHHH	National Emission Standards For Hazardous Air Pollutant Emissions For Polyvinyl Chloride And Copolymers Production	Not applicable, the facility is not a polyvinyl chloride or copolymers production facility.

CONSOL Amonate Facility LLC		
Amonate Preparation Plant		
40 CFR Part 98 Applicability		
Subpart	Rule	Applicability
A	General Provisions	Applicable
B	[Reserved]	
C	General Stationary Fuel Combustion Sources	Applicable
D	Electricity Generation	Not applicable, not an electricity generation facility.
E	Adipic Acid Production	Not applicable, not an adipic acid production facility.
F	Aluminum Production	Not applicable, not an aluminum production facility.
G	Ammonia Manufacturing	Not applicable, not an ammonia manufacturing facility.
H	Cement Production	Not applicable, not a cement production facility.
I	Electronics Manufacturing	Not applicable, not a electronics manufacturing facility.
J	[Reserved]	
K	Ferroalloy Production	Not applicable, not a ferroalloy production facility.
L	Fluorinated Gas Production	Not applicable, not a fluorinated gas production facility.
M	[Reserved]	
N	Glass Production	Not applicable, not a glass production facility.
O	HCFC-22 Production And HFC-23 Destruction	Not applicable, not a HCFC-22 production and HFC-23 destruction facility.
P	Hydrogen Production	Not applicable, not a hydrogen production facility.
Q	Iron And Steel Production	Not applicable, not a iron and steel Production facility.
R	Lead Production	Not applicable, not a lead production facility.
S	Lime Manufacturing	Not applicable, not a lime manufacturing facility.
T	Magnesium Production	Not applicable, not a magnesium production facility.
U	Miscellaneous Uses Of Carbonate	Not applicable, does not have miscellaneous uses of carbonate.
V	Nitric Acid Production	Not applicable, not a nitric acid production facility.
W	Petroleum And Natural Gas Systems	Not applicable, not a petroleum and natural gas systems facility.
X	Petrochemical Production	Not applicable, not a petrochemical production facility.
Y	Petroleum Refineries	Not applicable, not a petroleum refinery.
Z	Phosphoric Acid Production	Not applicable, not a phosphoric acid production facility.
AA	Pulp And Paper Manufacturing	Not applicable, not a pulp and paper manufacturing facility.
BB	Silicon Carbide Production	Not applicable, not a silicon carbide production facility.
CC	Soda Ash Manufacturing	Not applicable, not a soda ash manufacturing facility.
DD	Electrical Transmission And Distribution Equipment Use	Not applicable, does not use electrical transmission and distribution equipment.
EE	Titanium Dioxide Production	Not applicable, not a titanium dioxide production facility.
FF	Underground Coal Mines	Not applicable, not a underground coal mine facility.
GG	Zinc Production	Not applicable, not a Zinc Production facility.
HH	Municipal Solid Waste Landfills	Not applicable, not a municipal solid waste landfill.
II	Industrial Wastewater Treatment	Not applicable, not a industrial wastewater treatment facility.
JJ	Manure Management	Not applicable, not a manure management facility.
KK	[Reserved]	
LL	Suppliers Of Coal Based Liquid Fuels	Not applicable, not a supplier of coal based liquid fuels.
MM	Suppliers Of Petroleum Products	Not applicable, not a supplier of petroleum products.
NN	Suppliers Of Natural Gas And Natural Gas Liquids	Not applicable, not a supplier of natural gas or natural gas liquids.
OO	Suppliers Of Industrial Greenhouse Gases	Not applicable, not a supplier of industrial greenhouse gases.
PP	Suppliers Of Carbon Dioxide	Not applicable, not a supplier of carbon dioxide.
QQ	Importers And Exporters Of Fluorinated Greenhouse Gases Contained In PreCharged Equipment Or Closed Cell Foams	Not applicable, not an importer or exporter of fluorinated greenhouse gases contained in precharged equipment or closed cell foams.
RR	Geologic Sequestration Of Carbon Dioxide	Not applicable, does not conduct geologic sequestration of carbon dioxide.
SS	Electrical Equipment Manufacture Or Refurbishment	Not applicable, not a electrical equipment manufacture or refurbishment facility.
TT	Industrial Waste Landfills	Not applicable, not a industrial waste landfill facility.
UU	Injection Of Carbon Dioxide	Not applicable, does not conduct injection of carbon dioxide.

CONSOL Amonate Facility LLC		
Amonate Preparation Plant		
West Virginia Code of State Rules and Applicability		
Series	Rule	
45CSR1	[Repealed]	
45CSR2	To Prevent And Control Particulate Air Pollution From Combustion Of Fuel In Indirect Heat Exchangers	Not Applicable
45CSR2A	Testing, Monitoring, Recordkeeping And Reporting Requirements Under 45CSR2	Not Applicable
45CSR3	To Prevent And Control Air Pollution From The Operation Of Hot Mix Asphalt Plants	Not Applicable
45CSR4	To Prevent And Control The Discharge Of Air Pollutants Into The Open Air Which Causes Or Contributes To An Objectionable Odor Or Odors	Applicable
45CSR5	To Prevent And Control Air Pollution From The Operation Of Coal Preparation Plants, Coal Handling Operations And Coal Refuse Disposal Areas	Applicable
45CSR6	Control Of Air Pollution From Combustion Of Refuse	Applicable
45CSR7	To Prevent And Control Particulate Air Pollution From Manufacturing Processes And Associated Operations	Not Applicable
45CSR7A	TP-4-"Compliance Test Procedures For Series 7-"To Prevent And Control Particulate Air Pollution From Manufacturing Process Operations"	Not Applicable
45CSR8	Ambient Air Quality Standards	
45CSR10	To Prevent And Control Air Pollution From The Emission Of Sulfur Oxides	Applicable
45CSR10A	Testing, Monitoring, Recordkeeping And Reporting Requirements Under 45CSR10	Applicable
45CSR11	Prevention Of Air Pollution Emergency Episodes	Applicable
45CSR13	Permits For Construction, Modification, Relocation And Operation Of Stationary Sources Of Air Pollutants, Notification Requirements, Administrative Updates, Temporary Permits, General Permits, Permission To Commence Construction, And Procedures For Evaluation	Applicable
45CSR13A	The Permitting Of Research And Development (R&D) Activities Under 45CSR13	Not Applicable
45CSR13B	The Permitting Of Laboratory Facilities Under 45CSR13	Not Applicable
45CSR14	Permits For Construction And Major Modification Of Major Stationary Sources Of Air Pollution For The Prevention Of Significant Deterioration	Not Applicable
45CSR16	Standards Of Performance For New Stationary Sources	Applicable
45CSR17	To Prevent And Control Particulate Matter Air Pollution From Materials Handling, Preparation, Storage And Other Sources Of Fugitive Particulate Matter	Not Applicable
45CSR18	Control Of Air Pollution From Combustion Of Solid Waste	Not Applicable
45CSR19	Permits For Construction And Major Modification Of Major Stationary Sources Of Air Pollution Which Cause Or Contribute To Nonattainment	Not Applicable
45CSR20	Good Engineering Practice As Applicable To Stack Heights	Not Applicable
45CSR21	Regulation To Prevent And Control Air Pollution From The Emission Of Volatile Organic Compounds	Not Applicable
45CSR22	Air Quality Management Fee Program	Not Applicable
45CSR23	To Prevent And Control Emissions From Municipal Solid Waste Landfills	Not Applicable
45CSR24	[Repealed]	Not Applicable
45CSR25	Control Of Air Pollution From Hazardous Waste Treatment, Storage And Disposal Facilities	Not Applicable
45CSR26	[Repealed]	Not Applicable
45CSR27	To Prevent And Control The Emissions Of Toxic Air Pollutants	Not Applicable
45CSR28	Air Pollutant Emissions Banking And Trading	Not Applicable
45CSR29	Rules Requiring The Submission Of Emission Statements For Volatile Organic Compound Emissions And Oxides Of Nitrogen Emissions	Not Applicable
45CSR30	Requirements For Operating Permits	Applicable
45CSR30A	Deferral Of Nonmajor And Area Sources From Permitting Requirements	Not Applicable

45CSR30B	Identification And Counting Of Fugitive Emissions In Major Source Determinations Under WV 45CSR30	Not Applicable
45CSR31	Confidential Information	Not Applicable
45CSR31A	Release Of Previously Submitted Confidential Information	Not Applicable
45CSR31B	Confidential Business Information And Emission Data	Not Applicable
45CSR32	Serious And Minor Violations Of Applicable Rules	Not Applicable
45CSR33	Acid Rain Provisions And Permits	Not Applicable
45CSR34	Emission Standards For Hazardous Air Pollutants	Not Applicable
45CSR35	Requirements For Determining Conformity Of General Federal Actions To Applicable Air Quality Implementation Plans (General Conformity)	Not Applicable
45CSR36	Requirements For Determining Conformity Of Transportation Plans, Programs, And Projects Developed, Funded Or Approved Under Title 23 USC Or The Federal Transit Laws, To Applicable Air Quality Implementation Plans (Transportation Conformity)	Not Applicable
45CSR37	[Repealed]	Not Applicable
45CSR38	Provisions For Determination Of Compliance With Air Quality Management Rules	Not Applicable
45CSR39	Control Of Annual Nitrogen Oxides Emissions	Not Applicable
45CSR40	Control Of Ozone Season Nitrogen Oxides Emissions	Not Applicable
45CSR41	Control Of Annual Sulfur Dioxide Emissions	Not Applicable
45CSR42	Greenhouse Gas Emissions Inventory Program	Not Applicable: Repealed - Effective 06/01/2012
West VA Code 22--5-4 (a)(14)	The Secretary can request any pertinent information such as annual emission inventory reporting.	Applicable

ATTACHMENT J

FACILITY WIDE REQUIREMENTS

Attachment J – Facility Wide Requirements

Standard or Limitation	Monitoring	Testing	Recordkeeping	Reporting
<p>Open burning. The open burning of refuse by any person, firm, corporation, association or public agency is prohibited except as noted in 45CSR§6-3.1.</p> <p>[45CSR§6-3.1.] R30-04700017-2008 Condition 3.1.1</p>	As required.	See Facility Wide Testing Table	See Facility Wide Recordkeeping Table	See Facility Wide Reporting Table
<p>Open burning exemptions. The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause, suffer, allow or permit any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible.</p> <p>[45CSR§6-3.2.] R30-04700017-2008 Condition 3.1.2</p>	As required.	See Facility Wide Testing Table	See Facility Wide Recordkeeping Table	See Facility Wide Reporting Table
<p>Asbestos. The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management and the Bureau for Public Health – Environmental Health require a copy of this notice to be sent to them.</p> <p>[40 C.F.R. §61.145(b) and 45CSR15]</p>	As required.	See Facility Wide Testing Table	See Facility Wide Recordkeeping Table	See Facility Wide Reporting Table

<p>R30-04700017-2008 Condition 3.1.3</p> <p>Odor. No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public.</p> <p>[45CSR§4-3.1 State-Enforceable only.] R30-04700017-2008 Condition 3.1.4</p>	As required.	See Facility Wide Testing Table	<p>Odors. For the purposes of 45CSR4, the permittee shall maintain a record of all odor complaints received, any investigation performed in response to such a complaint, and any responsive action(s) taken.</p> <p>[45CSR§30-5.1.c. State-Enforceable only.] R30-04700017-2008 Condition 3.4.3</p>	See Facility Wide Reporting Table
<p>Standby plan for reducing emissions. When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45CSR11.</p> <p>[45CSR§11-5.2]</p> <p>R30-04700017-2008 Condition 3.1.5</p>	As required.	See Facility Wide Testing Table	See Facility Wide Recordkeeping Table	See Facility Wide Reporting Table
<p>Emission inventory. The permittee is responsible for submitting, on an annual basis, an emission inventory in accordance with the submittal requirements of the Division of Air Quality.</p> <p>[W.Va. Code § 22-5 4(a)(14)]</p> <p>R30-04700017-2008 Condition 3.1.6</p>	As required.	See Facility Wide Testing Table	See Facility Wide Recordkeeping Table	See Facility Wide Reporting Table
<p>Ozone-depleting substances. For those facilities performing maintenance, service, repair or disposal of appliances, the permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 C.F.R. Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:</p> <p>a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the</p>	As required.	See Facility Wide Testing Table	See Facility Wide Recordkeeping Table	See Facility Wide Reporting Table

<p>prohibitions and required practices pursuant to 40 C.F.R. §§ 82.154 and 82.156.</p> <p>b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 C.F.R. § 82.158. [40 C.F.R. 82, Subpart F] R30-04700017-2008 Condition 3.1.7</p>				
<p>Risk Management Plan. Should this stationary source, as defined in 40 C.F.R. § 68.3, become subject to Part 68, then the owner or operator shall submit a risk management plan (RMP) by the date specified in 40 C.F.R. § 68.10 and shall certify compliance with the requirements of Part 68 as part of the annual compliance certification as required by 40 C.F.R. Part 70 or 71. [40 C.F.R. 68] R30-04700017-2008 Condition 3.1.8</p>	As required.	See Facility Wide Testing Table	See Facility Wide Recordkeeping Table	See Facility Wide Reporting Table
<p>The Barnebey-Cheney Scentometer or any other instrument, device, or technique designated by the Director may be used as a guide in the enforcement of the rule and may be used in the determination of the objectionability of an odor. [45CSR§4-3.2, 45CSR13, R13-0267 (Condition B.2.) State-Enforceable only.] R30-04700017-2008 Condition 3.1.9</p>	As required.	See Facility Wide Testing Table	See Facility Wide Recordkeeping Table	See Facility Wide Reporting Table
<p>Accidental and other infrequent discharges which cause or contribute to objectionable odors will be considered on an individual basis and shall be reported by the person responsible therefore to the Director in the manner to be prescribed by the Director. [45CSR§4-4.1, 45CSR13, R13-0267 (Condition B.2.) State-Enforceable only.] R30-04700017-2008 Condition 3.1.10</p>	As required.	See Facility Wide Testing Table	See Facility Wide Recordkeeping Table	See Facility Wide Reporting Table
No person shall cause, suffer, allow or permit	The permittee shall conduct	See Facility	The permittee shall inspect all	

<p>emission of particulate matter into the open air from any fugitive dust control system which is twenty percent (20%) opacity or greater. [45CSR§5-3.4, 45CSR13, R13-0267 (Condition B.3.)] R30-04700017-2008 Condition 3.1.11</p>	<p>monitoring/recordkeeping/reporting as follows [Not required for open stockpiles (SP-1, SP-2, SP-3, SP-4, SP-5, Refuse Disposal Area) and haul roads (H1, H2, H3, H4, H5, H6)]: (NOTE: See Section 4.0. for the Thermal Dryer Unit Requirements).</p> <p>a. Visible emissions evaluation shall be conducted for each affected source at least once every consecutive 12-month period in accordance with 40CFR60 Appendix A, Method 9. This annual evaluation shall consist of a minimum of 24 consecutive observations for each emission unit.</p> <p>b. Each emissions unit with a visible emissions limit contained in this permit shall be observed visually at least each calendar week during periods of normal facility operation for a sufficient time interval to determine if the unit has any visible emissions using 40CFR60 Appendix A, Method 22. If visible emissions from any of the emissions units are observed during these weekly observations, or at any other time, that appear to exceed 50 percent of the allowable visible emission requirement for the emission unit, visible emissions evaluations in accordance with</p>	<p>Wide Testing Table</p>	<p>fugitive dust control systems weekly to ensure that they are operated and maintained in conformance with their designs. The permittee shall maintain records of such inspections and of all scheduled and non-scheduled maintenance. Records shall be maintained stating any maintenance or corrective actions taken as a result of the weekly inspections, and the times the fugitive dust control system(s) are inoperable and any corrective actions taken. [45CSR§30-5.1.c.] R30-04700017-2008 Condition 3.4.4</p> <p>The permittee shall maintain records indicating the use of any dust suppressants or any other suitable dust controls measures applied at the facility. [45CSR§30-5.1.c.] R30-04700017-2008 Condition 3.4.5</p>	
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	<p>40CFR60 Appendix A, Method 9 shall be conducted as soon as practicable, but no later than one (1) month from the time of the observation. A Method 9 evaluation shall not be required under this paragraph if the visible emissions condition is corrected in a timely manner; the emissions unit is operating at normal operating conditions; and, the cause and corrective measures taken are recorded.</p> <p>c. If any subsequent visible emissions evaluation indicates visible emissions in excess of 50 percent of the allowable visible emissions requirement for a given emission unit, a visible emissions evaluation shall be performed for that unit at least once every consecutive 14-day period in accordance with 40CFR60 Appendix A, Method 9. If subsequent visible emissions evaluations indicate visible emissions less than or equal to 50 percent of the allowable visible emissions requirement for the emission unit for 3 consecutive 14-day periods, the emission unit may comply with the visible emissions testing requirements of condition 3.2.1.b. in lieu of those established in this condition.</p>			
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	<p>d. A record of each visible emissions observation shall be maintained, including any data required by 40CFR60 Appendix A, Method 22 or Method 9, whichever is appropriate. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer. Records shall be maintained stating any maintenance or corrective actions taken as a result of the weekly inspections, and the times the fugitive dust control system(s) are inoperable and any corrective actions taken.</p> <p>[45CSR§30-5.1.c.] R30-04700017-2008 Condition 3.2.1</p>			
<p>No person shall cause, suffer, allow or permit a coal preparation plant or handling operation to operate that is not equipped with a fugitive dust control system. This system shall be operated and maintained in such a manner as to minimize the emission of particulate matter into the open air.</p> <p>[45CSR§5-6.1, 45CSR13, R13-0267 (Condition B.3.)]</p> <p>R30-04700017-2008 Condition 3.1.12</p>	As required.	See Facility Wide Testing Table	See Facility Wide Recordkeeping Table	See Facility Wide Reporting Table
<p>The owner or operator of a coal preparation plant or handling operation shall maintain dust control of the premises and owned, leased, or controlled access roads by paving, or other suitable measures. Good operating practices shall be observed in relation to stockpiling, car loading, breaking, screening, and general maintenance to minimize dust generation</p>	As required.	See Facility Wide Testing Table	See Facility Wide Recordkeeping Table	See Facility Wide Reporting Table

<p>and atmospheric entrainment. [45CSR§5-6.2, 45CSR13, R13-0267 (Condition B.3.)] R30-04700017-2008 Condition 3.1.13</p>				
<p>All fugitive dust control systems as specified in Section 1.0 (Emission Unit Table) shall remain functional year round, to the maximum extent practicable, including winter months and cold weather. [45CSR13, R13-0267 (Condition A.3.)] R30-04700017-2008 Condition 3.1.14</p>	As required.	See Facility Wide Testing Table	See Facility Wide Recordkeeping Table	See Facility Wide Reporting Table
<p>The permittee shall maintain a water truck on site and in good operating condition, and shall utilize same to apply water, or a mixture of water and an environmentally acceptable dust control additive, hereinafter referred to as solution, as often as is necessary in order to minimize the atmospheric entrainment of fugitive particulate emissions that may be generated from haul roads and other work areas where mobile equipment is used.</p> <p>The spray bar shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the surface being treated.</p> <p>The pump delivering the water or solution shall be of sufficient size and capacity so as to be capable of delivering to the spray nozzle(s) an adequate quantity of water, or solution, and at a sufficient pressure.</p> <p>Daily and monthly records will be kept on site for the amount of water and dust control additive used. Said records shall be certified by a “responsible official” and maintained on site for a period of no less than five years. Said records shall be made</p>	As required.	See Facility Wide Testing Table	See Facility Wide Recordkeeping Table	See Facility Wide Reporting Table

<p>available to the Director or his/her duly authorized representative upon request.</p> <p>A freeze protection plan shall be incorporated to insure that the wet suppression systems remain operational at all times. [45CSR13, R13-0267 (Condition A.4)] R30-0470017-2008 Condition 3.1.15</p>				
<p>On and after the date on which the performance test required to be conducted by 40CFR§60.8 is completed, an owner or operator subject to the provisions of 40CFR60 Subpart Y shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal, gases which exhibit 20 percent opacity or greater. [40CFR§60.252(c), 45CSR16, 45CSR13, R13-0267 (Condition B.5)] R30-0470017-2008 Condition 3.1.16</p>	As required.	See Facility Wide Testing Table	See Facility Wide Recordkeeping Table	See Facility Wide Reporting Table
<p>The opacity standards set forth in Condition 3.1.16 shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in the applicable standard. [40CFR§60.11(c), 45CSR16] R30-0470017-2008 Condition 3.1.17</p>	As required.	See Facility Wide Testing Table		See Facility Wide Reporting Table
<p>At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Director which may include, but is not limited to, monitoring results, opacity observations, review of operating</p>	As required.	See Facility Wide Testing Table	See Facility Wide Recordkeeping Table	See Facility Wide Reporting Table

<p>and maintenance procedures, and inspection of the source. This does not apply to haul roads, open storage piles, and thermal dryers. [40CFR§60.11(d), 45CSR16, 45CSR13, R13-0267 (Condition B.5.)] R30-04700017-2008 Condition 3.1.18</p>				
<p>In accordance with the information filed in permit application R13-0267, the maximum throughputs specified in the Emission Units Section 1.0 of this permit shall not be exceeded. [45CSR13, R13-0267 (Condition A.2.)] R30-04700017-2008 Condition 3.1.19</p>	<p>As required.</p>	<p>See Facility Wide Testing Table</p>	<p>For the purpose of determining compliance with the maximum throughput limits set forth in Condition 3.1.19, the permittee shall maintain on site certified monthly and annual records of the raw coal and clean coal transfer rates. Records shall be certified by a responsible official and maintained on site for a period of not less than five (5) years and shall be made available to the Director or his or her duly authorized representative upon request. [45CSR13, R13-0267 (Condition B.7.)] R30-04700017-2008 Condition 3.4.7</p>	<p>See Facility Wide Reporting Table</p>
<p>The permitted facility shall be constructed and operated in accordance with information filed in Permit Applications R13-0267, R13-0267A, and any amendments thereto. [45CSR13, R13-0267 (Condition C.3.)] R30-04700017-2008 Condition 3.1.20</p>	<p>As required.</p>	<p>See Facility Wide Testing Table</p>	<p>Compliance with all hourly and annual throughputs limits set forth in Condition 3.1.20 shall be determined using a twelve month rolling total. A twelve-month rolling total shall mean the sum of the amount of coal received, processed, stored, or shipped at any given time for</p>	<p>See Facility Wide Reporting Table</p>

			<p>the previous twelve- (12) consecutive calendar months. Compliance with the hourly throughput limit shall be demonstrated by dividing the daily total throughput by the number of hours operated in the same day to obtain an hourly average. The permittee shall maintain daily records of the coal throughput and the hours of operation.</p> <p>[45CSR§30-5.1.c, 45CSR13, R13-0267 (Condition A.2.)] R30-04700017-2008 Condition 3.4.6</p>	
<p>Reporting of greenhouse gas emissions [40CFR§98 Subpart C]</p>	<p>Monitoring And QA/QC Requirements [40CFR§98.34]</p>	<p>Estimating Missing Data [40 CFR §98.35]</p>	<p>Records [40 CFR §98.37]</p>	<p>Data Reporting Requirements [40 CFR §98.36]</p>

Attachment J – Facility Wide Testing
Requirements

Stack testing. As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit and/or established or set forth in underlying documents. The Secretary, or his duly authorized representative, may at his option witness or conduct such test(s). Should the Secretary exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

- a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63, if applicable, in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable.
- b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Condition 3.3.1.a of this permit.
- c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.

**[WV Code § 22-5-4(a)(15), 45CSR§§10-8.1.a, 10-8.1.b, 10-8.2.b, 45CSR13, R13-0267, (Condition B.4)]
R30-04700017-2008 Condition 3.3.1**

In conducting the performance tests required in 40CFR§60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of 40CFR60 or other methods and procedures as specified in this section, except as provided in 40CFR§60.8(b).

[40CFR§60.254(a), 45CSR13, R13-0267 (Condition B.5.)] R30-04700017-2008 Condition 3.3.2

The owner or operator shall determine compliance with the particulate matter standards in 40CFR§60.252 as follows:

(1) 40CFR60 Appendix A, Method 5 shall be used to determine the particulate matter concentration. The sampling time and sample volume for each run shall be at least 60 minutes and 0.85 dscm (30 dscf). Sampling shall begin no less than 30 minutes after startup and shall terminate before shutdown procedures begin.

(2) 40CFR60 Appendix A, Method 9 and the procedures in 40CFR§60.11 shall be used to determine opacity.

[40CFR§60.254(b), 45CSR13, R13-0267 (Condition B.5.)] R30-04700017-2008 Condition 3.3.3

Attachment J – Facility Wide Recordkeeping Requirements

Monitoring information. The permittee shall keep records of monitoring information that include the following:

- a. The date, place as defined in this permit and time of sampling or measurements;
- b. The date(s) analyses were performed; c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

[45CSR§30-5.1.c.2.A.] R30-04700017-2008 Condition 3.4.1

Retention of records. The permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of monitoring sample, measurement, report, application, or record creation date. 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. Where appropriate, records may be maintained in computerized form in lieu of the above records.

[45CSR§30-5.1.c.2.B.] R30-04700017-2008 Condition 3.4.2

Attachment J – Facility Wide Reporting Requirements

Responsible official. Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

[45CSR§§30-4.4. and 5.1.c.3.D.] R30-04700017-2008 Condition 3.5.1

A permittee may request confidential treatment for the submission of reporting required under 45CSR§30-5.1.c.3. pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.

[45CSR§30-5.1.c.3.E.] R30-04700017-2008 Condition 3.5.2

All notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, mailed first class or by private carrier with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

If to the DAQ:

Director
WVDEP
Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone: 304/926-0475
FAX: 304/926-0478

If to the US EPA:

Associate Director
Office of Enforcement and Permits Review
(3AP12)
U. S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

R30-04700017-2008 Condition 3.5.3

Certified emissions statement. The permittee shall submit a certified emissions statement and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality.

[45CSR§30-8.] R30-04700017-2008 Condition 3.5.4

Compliance certification. The permittee shall certify compliance with the conditions of this permit on the forms provided by the DAQ. In addition to the annual compliance certification, the permittee may be required to submit certifications more frequently under an applicable requirement of this permit. The annual certification shall be submitted to the DAQ and USEPA on or before March 15 of each year, and shall certify compliance for the period ending December 31. The permittee shall maintain a copy of the certification on site for five (5) years from submittal of the certification.

[45CSR§30-5.3.e.] R30-04700017-2008 Condition 3.5.5

Semi-annual monitoring reports. The permittee shall submit reports of any required monitoring on or before September 15 for the reporting period January 1 to June 30 and on or before March 15 for the reporting period July 1 to December 31. All instances of deviation from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official consistent with 45CSR§30-4.4.

[45CSR§30-5.1.c.3.A.] R30-04700017-2008 Condition 3.5.6

APPENDIX A

EMISSION CALCULATIONS

CONSOL Amonate Facility LLC
Amonate Preparation Plant
Greenhouse Gas Emissions - Thermal Dryer

Maximum Annual Throughput (tons/year) ¹		87,600			
High Heat Value (MMBtu/ton) ²		24.93			
Greenhouse Gas Pollutant	Emission Factor (kg emissions/MMBtu) ²	kg	Annual Emissions metric ton	CO ₂ e (metric tons) ^{3, 4}	
CO ₂	93.40	203,973,271	203,973	203,973	
CH ₄	1.1E-02	24,023	24.0	504	
N ₂ O	1.6E-03	3,494	3.49	1,083	
Total CO ₂ e				205,561	

¹ Data obtained from the Title V Permit Renewal Application, November 6, 2007.

² Values obtained from 40 CFR 98 Subpart C, Tables C-1 and C-2.

³ CO₂e (metric tons) is the number of metric ton of CO₂ emissions with the same global warming potential (GWP) as one metric ton of another greenhouse gas.

⁴ GWP for each pollutant obtained from 40 CFR 98 Table A-1.

Sample Calculations - Annual emissions of CH₄

$$\text{Annual CH}_4 \text{ Emissions (kg)} = \text{Maximum Annual Throughput (tons/year)} * \text{High Heat Value (MMBtu/ton)} * \text{CH}_4 \text{ Emission Factor (kg/MMBtu)}$$

$$\text{Annual CH}_4 \text{ Emissions (kg)} = 87,600 \text{ tons/year} * 24.93 \text{ MMBtu/ton} * 1.1\text{E-}02 \text{ kg/MMBtu}$$

$$\text{Annual CH}_4 \text{ Emissions (kg)} = 24,023$$

$$\text{Annual CH}_4 \text{ Emissions (metric tons)} = \text{Annual CH}_4 \text{ Emissions (kg)} * 0.001 \text{ metric ton/kg}$$

$$\text{Annual CH}_4 \text{ Emissions (metric tons)} = 24,023 \text{ kg} * 0.001 \text{ metric ton/kg}$$

$$\text{Annual CH}_4 \text{ Emissions (metric tons)} = 24.0$$

$$\text{Annual CH}_4 \text{ Emissions (CO}_2\text{e)} = \text{Annual CH}_4 \text{ Emissions (metric tons)} * \text{GWP}_{\text{CH}_4}$$

$$\text{Annual CH}_4 \text{ Emissions (CO}_2\text{e)} = 24.0 \text{ metric tons} * 21$$

$$\text{Annual CH}_4 \text{ Emissions (CO}_2\text{e)} = 504$$

CONSOL Amonate Facility LLC
Amonate Preparation Plant
Greenhouse Gas Emissions - Thermal Dryer

Maximum Rated Heat Input (MMBtu/hour) ¹		145			
Greenhouse Gas Pollutant	Emission Factor (kg emissions/MMBtu) ²	kg	Annual Emissions		CO ₂ e (metric tons) ^{3,4}
			metric ton		
CO ₂	93.40	118,636,680	118,637		118,637
CH ₄	1.1E-02	13,972	14.0		293
N ₂ O	1.6E-03	2,032	2.03		630
Total CO₂e					119,560

¹ Data obtained from the Title V Permit Renewal Application, November 6, 2007.

² Values obtained from 40 CFR 98 Subpart C, Tables C-1 and C-2.

³ CO₂e (metric tons) is the number of metric ton of CO₂ emissions with the same global warming potential as one metric ton of another greenhouse gas.

⁴ GWP for each pollutant obtained from 40 CFR 98 Table A-1.

Sample Calculations - Annual emissions of CH₄

$$\text{Annual CH}_4 \text{ Emissions (kg)} = \text{Maximum Rated Heat Input (MMBtu/hour)} * \text{Annual Hours (hours/year)} * \text{CH}_4 \text{ Emission Factor (kg/MMBtu)}$$

$$\text{Annual CH}_4 \text{ Emissions (kg)} = 145 \text{ MMBtu/hour} * 8,760 \text{ hours/year} * 1.1\text{E-}02 \text{ kg/MMBtu}$$

$$\text{Annual CH}_4 \text{ Emissions (kg)} = 13,972$$

$$\text{Annual CH}_4 \text{ Emissions (metric tons)} = \text{Annual CH}_4 \text{ Emissions (kg)} * 0.001 \text{ metric ton/kg}$$

$$\text{Annual CH}_4 \text{ Emissions (metric tons)} = 13,972 \text{ kg} * 0.001 \text{ metric ton/kg}$$

$$\text{Annual CH}_4 \text{ Emissions (metric tons)} = 14.0$$

$$\text{Annual CH}_4 \text{ Emissions (CO}_2\text{e)} = \text{Annual CH}_4 \text{ Emissions (metric tons)} * \text{GWP}_{\text{CH}_4}$$

$$\text{Annual CH}_4 \text{ Emissions (CO}_2\text{e)} = 14.0 \text{ metric tons} * 21$$

$$\text{Annual CH}_4 \text{ Emissions (CO}_2\text{e)} = 293$$

Appendix A – Continued

Emissions calculations remain unchanged from the existing permit and are not included in this renewal application.