INTERNAL PERMITTING DOCUMENT TRACKING MANIFEST

Company Name M3 Appalachia Gathering, LLC

Permitting Action Number R13-3291 Total Days 50 DAQ Days 20

Permitting Action:

- ○ Permit Determination
- ○ General Permit
- ○ Administrative Update
- ○ Temporary
- ○ Relocation
- ✓ Construction
- ○ Modification
- ○ PSD (Rule 14)
- ○ NNSR (Rule 19)

Documents Attached:

- ✓ Engineering Evaluation/Memo
- ✓ Draft Permit
- ✓ Notice
- ○ Denial
- ○ Final Permit/General Permit Registration
- ✓ Completed Database Sheet
- ○ Withdrawal
- ○ Letter
- ✓ Other *(specify)* R13 Info Table

Date	From	To	Action Requested
02/24	Lee	Bev	Review + Approval to go to Notice
3/8	Bev	Lee	Cir to Notice

NOTE: Retain a copy of this manifest for your records when transmitting your document(s).

Entire Document
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Permit / Application Information Sheet
Division of Environmental Protection
West Virginia Office of Air Quality

Company:	M3 Appalachia Gathering, LLC			**Facility:**	Coopers Run Station
Region:	6	**Plant ID:**	061-00205	**Application #:**	13-3291
Engineer:	Martin, Thornton			**Category:**	
Physical Address:	Indian Camp Rd. Blacksville WV			**SIC:** [4922] ELECTRIC, GAS AND SANITARY SERVICES - NATURAL GAS TRANSMISSION **NAICS:** [486210] Pipeline Transportation of Natural Gas **SIC:** [1311] OIL AND GAS EXTRACTION - CRUDE PETROLEUM & NATURAL GAS **NAICS:** [211111] Crude Petroleum and Natural Gas Extraction	
County:	Monongalia				
Other Parties:	VICE PRES - Roberts, James 970-769-1955 MANAGER - Tennison, Eric 304-212-4403				

Information Needed for Database and AIRS
1. Need valid physical West Virginia address with zip
2. Air Program
3. Inspection result
4. Pollutant and class

Regulated Pollutants

CO	Carbon Monoxide	10.650 TPY
	Formaldehyde	3.390 TPY
SO2	Sulfur Dioxide	0.093 TPY
VOC	Volatile Organic Compounds (Reactive organic gases)	9.961 TPY
PM2.5	Particulate Matter < 2.5 um	0.072 TPY
THAP	Total HAP Pollutants	6.715 TPY
NOX	Nitrogen Oxides (including NO, NO2, NO3, N2O3, N2O4, and N2O5)	26.930 TPY
CO2E	Carbon Dioxide Equivalents	23326.000 TPY

Summary from this Permit 13-3291

Air Programs	Applicable Regulations
NSPS	13 16 22 60 JJJJ 60 OOOO 63
SIP	ZZZZ

Fee Program	Fee	Application Type
8D	$2,000.00	CONSTRUCTION

Activity Dates

APPLICATION RECIEVED	01/05/2016	
ASSIGNED DATE	01/06/2016	
APPLICANT PUBLISHED LEGAL AD	01/06/2016	per. exp. 2/5/16
APPLICATION FEE PAID	01/14/2016	
APPLICATION DEEMED COMPLETE	02/04/2016	email sent

Notes from Database

Permit MM Note: Construction and operation of the Coopers Run natural gas compressor station located in Monongalia County, WV.

Permit MM Note: The Coopers Run Compressor Station will compress lean wet natural gas (Approximately 95-98% Methane) that originates from 3rd party producers and compresses the gas to pressures necessary to deliver into M3's Appalachia Gathering System (AGS) 24 inch pipeline. Between 75 MMSCFD and 100MMSCFD of wet natural gas at approximately 300-450 psig first enters the compressor station via pipeline into a 60 inch diameter by 10 foot inlet separator. The gas then travels through a suction control valve and into the main suction header which feeds into three natural gas driven CAT 3606 engine/compressor units. The gas is compressed to 900-1125 psig and travels to an off-site downstream Dehydration Station, for ultimate delivery into the AGS gathering system. The compressor station will be located in Monongalia County, WV, at 39° 42' 15.21" N and 80° 12' 17.25" W.

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Please note, this information sheet is not a substitute for file research and is limited to data entered into the AIRTRAX database.

Company ID: 061-00205
Company: M3 Appalachia Gathering, LLC
Printed: 02/23/2016
Engineer: Martin, Thornton

AIR QUALITY PERMIT NOTICE

Notice of Intent to Approve

On January 05, 2016, M3 Appalachia Gathering, LLC applied to the WV Department of Environmental Protection, Division of Air Quality (DAQ) for a permit to construct their Coopers Run Compressor Station located off of WV-7E, in Blacksville, Monongalia County, WV. The latitude and longitude are: 39.703886 N and -80.205344 W. A preliminary evaluation has determined that all State and Federal air quality requirements will be met by the proposed facility. The DAQ is providing notice to the public of its preliminary determination to issue the permit as R13-3291.

The following potential to discharge emissions will be authorized by this permit action: Particulate Matter less than 10 microns in diameter (PM_{10}), 0.072 TPY; Sulfur Dioxide (SO_2), 0.1 TPY; Volatile Organic Compounds (VOC), 9.96 TPY; Carbon Monoxide (CO), 10.65 TPY; Nitrogen Oxides (NO_x), 26.93 TPY; total Hazardous Air Pollutants (HAP's), 6.72 TPY and Carbon Dioxide Equivalents (CO2e), 23,326 TPY.

Written comments or requests for a public meeting must be received by the DAQ before 5:00 p.m. on _____. A public meeting may be held if the Director of the DAQ determines that significant public interest has been expressed, in writing, or when the Director deems it appropriate.

The purpose of the DAQ's permitting process is to make a preliminary determination if the proposed Modification will meet all state and federal air quality requirements. The purpose of the public review process is to accept public comments on air quality issues relevant to this determination. Only written comments received at the address noted below within the specified time frame, or comments presented orally at a scheduled public meeting, will be considered prior to final action on the permit. All such comments will become part of the public record.

Thornton E. Martin Jr.
WV Department of Environmental Protection
Division of Air Quality
601 57th Street, SE
Charleston, WV 25304
Telephone: 304/926-0499, ext. 1212
FAX: 304/926-0478

Additional information, including copies of the draft permit, application and all other supporting materials relevant to the permit decision may be obtained by contacting the engineer listed above. The draft permit and engineering evaluation can be downloaded at:

www.dep.wv.gov/daq/Pages/NSRPermitsforReview.aspx

Entire Document
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Permit Writer	Thornton E. Martin Jr.
Email Address	thornton.e.martin@wv.gov
Company Name	M3 Appalachia Gathering, LLC
Company ID	061-00205
Facility Name	Coopers Run Compressor Station
Permit Number	R13-3291
County	Monongalia
Newspaper	The Dominion Post
Company Contact & Email	James C. Roberts, VP, Environmental Health & Safety 742 Fairmont Road, Suite E Westover, WV 26501 j.roberts@m3midstream.com 970-769-1955 Eric Tennison, Manager, Environmental Health & Safety 742 Fairmont Road, Suite E Westover, WV 26501 e.tennison@m3midstream.com 304-212-4403 ext. 5006
Consultant Email Address	Not Applicable
Regional Office (if applicable)	North Central Regional Office

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west virginia department of environmental protection

Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone (304) 926-0475 • FAX: (304) 926-0479

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

ENGINEERING EVALUATION / FACT SHEET

BACKGROUND INFORMATION

Application No.:	R13-3291
Plant ID No.:	061-00205
Applicant:	M3 Appalachia Gathering, LLC
Facility Name:	Coopers Run Station
Location:	Middlebourne, Monongalia County
NAICS Code:	486210 (Natural Gas Transmission)
Application Type:	Construction
Received Date:	January 05, 2016
Engineer Assigned:	Thornton E. Martin Jr.
Fee Amount:	$2,000.00
Date Received:	January 14, 2016
Complete Date:	February 23, 2016
Applicant Ad Date	January 06, 2016
Newspaper:	*The Dominion Post*
UTM's:	Easting: 568.12409 km Northing: 4,395.19410 km Zone: 17S
Description:	Construction and operation of the Coopers Run natural gas compressor station located in Blacksville, Monongalia County, WV.

DESCRIPTION OF PROCESS

The following process description was taken from Permit Application R13-3291:

The Coopers Run Compressor Station will compress lean wet natural gas (Approximately 95-98% Methane) that originates from 3rd party producers and compresses the gas to pressures necessary to deliver into M3's Appalachia Gathering System (AGS) 24 inch pipeline. Between 75 MMSCFD and 100MMSCFD of wet natural gas at approximately 300-450 psig first enters the compressor station via pipeline into a 60 inch diameter by 10 foot inlet separator. The gas then travels through a suction control valve and into the main suction header which feeds into

three natural gas driven CAT 3606 engine/compressor units. The gas is compressed to 900-1125 psig and travels to an off-site downstream Dehydration Station, for ultimate delivery into the AGS gathering system. The compressor station will be located in Monongalia County, WV, at 39° 70' 38.86" N and 80° 20' 53.44" W.

Other major equipment on site will include one 30 barrel waste oil tank, three 500 gallon engine lube oil make-up tanks, three 500 gallon compressor lube oil tanks, two 30 barrel engine coolant tanks, and a 335 gallon methanol storage/containment tank.

M3 AGS is proposing to install three (3) natural gas-fired reciprocating engines (CAT 3606 Units) to compress the natural gas to main gathering system pressures. The engines will be 4-stroke, lean burn, spark ignition engines, each rated at 1775 hp and equipped with an oxidation catalyst for control of carbon monoxide (CO), volatile organic compounds (VOC) and formaldehyde (HCHO) emissions.

Only T02 (Methanol) is expected to have VOC emissions although they will be minimal. The other tanks consist of lube oils for both the engine and compressor on the Compressor Units, engine coolant which consists of a 50% ethylene glycol and water mix, or wastes of each. All tanks will have secondary containment. The Coopers Run Compressor Station will include 10 storage tanks as follows:

- T02 – Methanol 335 gallons
- T03 – Coolant Make Up Tank – 30 barrel
- T04 – Coolant Drain Tank – 30 barrel
- T05 – Engine Lube Oil for CE-1 – 500 gallon
- T06 – Compressor Lube Oil for CE-1 – 500 gallon
- T07 – Engine Lube Oil for CE-2 – 500 gallon
- T08 – Compressor Lube Oil for CE-2 – 500 gallon
- T09 – Engine Lube Oil for CE-3 – 500 gallon
- T10 – Compressor Lube Oil for CE-3 – 500 gallon

There will be one small natural gas driven Generator set (GE-1) that will be required for electrical instrumentation and control purposes. The Genset will be a Gillette Generator natural gas driven 126 hp unit.

Other equipment located at the compressor station includes piping, separators, gas scrubbers, filters, valves and meters. None of the equipment is expected to be a significant source of air emissions although are considered as part of the evaluation of fugitive emissions.

SITE INSPECTION

A site inspection was conducted by Brian Tephabock of the North Central Regional Office of the Division of Air Quality on February 24, 2016. Mr. Tephabock stated that the site is currently an undeveloped well pad. The access road will pass by a few homes, but the well pad is very remote and at least 1200 feet from any home.

Latitude: 39.703886
Longitude: -80.205344

Directions to the facility are as follows:

From Charleston, WV: Merge onto I-79 N for approximately 154 miles. Take exit 155 toward WV-7/West Virginia University. Keep right on fork and follow signs for Star City/WVU/Osage and merge onto Chaplin Hill Road. Turn left onto US-19 N / WV-7 W. Turn left onto WV-7 E and drive for approximately 14.5miles to Blacksville. Turn left onto Rt. 218 and follow for approximately 2.2 miles and turn left onto access road which is directly across Rt. 218 from Jess Tennant Hill Road. Follow that access road for approximately 1.0 mile to well pad.

ESTIMATE OF EMISSIONS BY REVIEWING ENGINEER

Emissions associated with this construction application consist of the combustion emissions from three (3) natural gas fired compressor engines (CE-1, CE-2 and CE-3), one (1) natural gas fired generator (GE-1), one (1) Methanol Tank (T02) and fugitive emissions. Fugitive emissions for the facility are based on calculation methodologies presented in EPA Protocol for Equipment Leak Emission Estimates. The following table indicates which methodology was used in the emissions determination:

Emission Unit ID#	**Process Equipment**	**Calculation Methodology**
CE-1 CE-2 CE-3	1,775 hp Caterpillar 3606 Reciprocating Internal Combustion Engine (RICE) w/ oxidation catalyst	Manufacturer's Data, EPA AP-42 Emission Factors
GE-1	126 hp Gillette Natural Gas Generator	Manufacturer's Data, EPA AP-42 Emission Factors
T02	(335 gal) Methanol Storage Tank	E & P Tank v4.09 (Working, Breathing & Flashing)
Fugitive	Equipment Leaks, Blowdown Events, Methanol Transfer (Loading)	EPA AP-42 Emission Factors, 40CFR Part 98, Subpart W Engineering Estimates

The following table indicates the control device efficiencies that are required for this facility:

Emission Unit	Pollutant	Control Device	Control Efficiency
1,775 hp, Caterpillar 3606 RICE, (CE-1, CE-2, CE-3)	Carbon Monoxide	EMIT Technologies, Catalytic Oxidation Catalyst Model No. ELS-4200-820F-4CEO-361	94 %
	Volatile Organic Compounds		73 %
	Formaldehyde		77 %
126 hp Gillette Generator (GE-1)	Volatile Organic Compounds	Not Applicable	
	Hazardous Air Pollutants		
Methanol Storage (T02)	Volatile Organic Compounds	Not Applicable	
	Hazardous Air Pollutants		
Methanol Loading	Volatile Organic Compounds	Not Applicable	
	Hazardous Air Pollutants		

The Applicant published their Class I Legal Notice with total facility PTE values (rounded) for the Coopers Run Station as shown in the following table:

Pollutant	Facility Wide PTE (tons/year)
Nitrogen Oxides	27.0
Carbon Monoxide	11.0
Volatile Organic Compounds	10.4
Particulate Matter-10/2.5	0.01
Sulfur Dioxide	0.10
Formaldehyde	3.40
Total HAPs	6.70
Carbon Dioxide Equivalent	23,330

Note: it appears that the values for Particulate Matter-10/2.5 and Sulfur Dioxide were reversed in error within the Applicants' Class I Legal Notice. The maximum detailed controlled point source emissions were calculated by M3 AGS and checked for accuracy by the writer and are summarized in the table on the next page. These values will be published in the DAQ Notice of Intent to Approve.

M3 Appalachia Gathering, LLC – Coopers Run Station (R13-3291)

Emission Point ID#	Source	NOx		CO		VOC		PM-10/2.5		SO_2		Formaldehyde		Total HAPs		CO2e
		lb/hr	ton/year	lb/hr	ton/year	lb/hr	ton/year	lb/hr	ton/year	lb/hr	ton/year	lb/hr	ton/year	lb/hr	ton/year	ton/year
CE-1	Compressor Engine	1.96	8.57	0.63	2.74	0.67	2.91	0.001	0.004	0.007	0.03	0.24	1.03	0.45	1.99	7559
CE-2	Compressor Engine	1.96	8.57	0.63	2.74	0.67	2.91	0.001	0.004	0.007	0.03	0.24	1.03	0.45	1.99	7559
CE-3	Compressor Engine	1.96	8.57	0.63	2.74	0.67	2.91	0.001	0.004	0.007	0.03	0.24	1.03	0.45	1.99	7559
GE-1	Generator Set	0.28	1.22	0.56	2.43	0.19	0.85	0.013	0.06	0.001	0.003	0.07	0.30	0.09	0.41	537
T02	Methanol Tank	----	----	----	----	0.002	0.009	----	----	----	----	----	----	0.002	0.009	----
T02 Transfer	Tank Loadout	----	----	----	----	0.008	0.033	----	----	----	----	----	----	0.008	0.033	----
Total Point Source		**6.16**	**26.93**	**2.45**	**10.65**	**2.21**	**9.622**	**0.016**	**0.072**	**0.022**	**0.093**	**0.79**	**3.39**	**1.45**	**6.422**	**23214**
Fugitive	Component Leaks / Venting	----	----	----	----	----	0.339	----	----	----	----	----	----	----	0.293	112
Total Fugitive		----	----	----	----	----	**0.339**	----	----	----	----	----	----	----	**0.293**	**112**
Total Site Wide		**6.16**	**26.93**	**2.45**	**10.65**	**2.21**	**9.961**	**0.016**	**0.072**	**0.022**	**0.093**	**0.79**	**3.39**	**1.45**	**6.715**	**23326**

REGULATORY APPLICABILITY

The following rules apply to the facility:

45CSR13 (Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Administrative Updates, Temporary Permits, General Permits, and Procedures for Evaluation)

45CSR13 applies to this source due to the fact that M3 AGS exceeds the regulatory emission threshold for criteria pollutants of 6 lb/hr and 10 ton/year, and they are also subject to a substantive requirement of an emission control rule promulgated by the Secretary (40CFR60, Subparts JJJJ and OOOO, 40CFR63 Subpart ZZZZ).

M3 AGS paid the appropriate application fee and published the required legal advertisement for a construction permit application.

45CSR16 (Standards of Performance for New Stationary Sources Pursuant to 40 CFR Part 60)

45CSR16 applies to this source by reference of 40CFR60, Subparts JJJJ and OOOO, and 40CFR63 Subpart ZZZZ. These requirements are discussed under that rule below.

45CSR22 (Air Quality Management Fee Program)

M3 AGS is not subject to 45CSR30. The Coopers Run Station is subject to 40CFR60, Subparts JJJJ and OOOO, and 40CFR63 Subpart ZZZZ, however they are exempt from the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 71, provided they are not required to obtain a permit for a reason other than their status as an area source.

M3 AGS is required to pay the appropriate annual fees and keep their Certificate to Operate current.

40CFR60 Subpart JJJJ (Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (SI ICE))

40CFR60 Subpart JJJJ establishes emission standards for applicable SI ICE.

The proposed 126 hp Gillette Generator (GE-1) was manufactured after July 1, 2008 and is EPA certified to meet the emission standards listed in 40CFR60 Subpart JJJJ. Certificate Number: FPS1B8.80NGP-020.

The 1,775 hp Caterpillar 3606 RICE (CE-1, CE-2 and CE-3) were manufactured after the July 1, 2007 date for engines with a maximum rated power capacity greater than or equal to 500 hp.

The proposed 1,775 hp Caterpillar 3606 RICE (CE-1, CE-2 and CE-3) will be subject to the following emission limits: NOx – 1.0 g/hp-hr(3.91 lb/hr); CO – 2.0 g/hp-hr(7.81

lb/hr); and VOC – 0.7 g/hp-hr(2.73 lb/hr). Based on the manufacturer's specifications for these engines, the emission standards will be met.

The proposed 1,775 hp Caterpillar 3606 RICE (CE-1, CE-2 and CE-3) are not EPA certified by the manufacturer to meet the emission standards listed in 40CFR60 Subpart JJJJ. Therefore, M3 AGS will be required to conduct an initial performance test and conduct subsequent performance testing every 8,760 hours or three (3) years, whichever comes first, to demonstrate compliance.

40CFR60 Subpart OOOO (Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution)

EPA published in the Federal Register new source performance standards (NSPS) and air toxics rules for the oil and gas sector on August 16, 2012. 40CFR60 Subpart OOOO establishes emission standards and compliance schedules for the control of volatile organic compounds (VOC) and sulfur dioxide (SO_2) emissions from affected facilities that commence construction, modification or reconstruction after August 23, 2011. The following affected sources which commence construction, modification or reconstruction after August 23, 2011 are subject to the applicable provisions of this subpart:

- Gas wells
- Centrifugal compressors
- Reciprocating compressors
- Pneumatic controllers
- Storage vessels
- Equipment (as defined in §60.5430) located at onshore natural gas processing plants
- Sweetening units located onshore that process natural gas produced from either onshore or offshore wells

The Coopers Run Compressor Station does not include gas wells or centrifugal compressors, therefore, the only potentially applicable requirements are those for reciprocating compressors, storage vessels and pneumatic controllers. Rule applicability for each of these affected categories are as follows:

There are no gas wells at this facility. Therefore, all requirements regarding gas well affected facilities under 40 CFR 60 Subpart OOOO would not apply.

a. Each reciprocating compressor affected facility, which is a single reciprocating compressor located between the wellhead and the point of custody transfer to the natural gas transmission and storage segment. For the purposes of this subpart, your reciprocating compressor is considered to have commenced construction on the date the compressor is installed (excluding relocation) at the facility. A reciprocating compressor located at a well site, or an adjacent well site and servicing more than one well site, is not an affected facility under this subpart.

There are reciprocating internal combustion engines located at the Coopers Run Station that were constructed after August 23, 2011. Therefore, the requirements

regarding reciprocating compressors under 40 CFR 60 Subpart OOOO will apply. M3 AGS will be required to perform the following:

- Replace the reciprocating compressor rod packing at least every 26,000 hours of operation or 36 months.
- Demonstrate initial compliance by continuously monitoring the number of hours of operation or track the number of months since the last rod packing replacement.
- Submit the appropriate start up notifications.
- Submit the initial annual report for the reciprocating compressors.
- Maintain records of hours of operation since last rod packing replacement, records of the date and time of each rod packing replacement, and records of deviations in cases where the reciprocating compressor was not operated in compliance.

b. Pneumatic Controllers

- Each pneumatic controller affected facility, which is a single continuous bleed natural gas-driven pneumatic controller operating at a natural gas bleed rate greater than 6 scfh which commenced construction after August 23, 2011, and is located between the wellhead and the point of custody transfer to the natural gas transmission and storage segment and not located at a natural gas processing plant.
- Each pneumatic controller affected facility, which is a single continuous bleed natural gas-driven pneumatic controller which commenced construction after August 23, 2011, and is located at a natural gas processing plant.

No pneumatic controllers installed will meet the definition of a pneumatic controller affected facility. Therefore, these units are not subject to the requirements of Subpart OOOO.

c. Each storage vessel affected facility, which is a single storage vessel, located in the oil and natural gas production segment, natural gas processing segment or natural gas transmission and storage segment.

40CFR60 Subpart OOOO defines a storage vessel as a unit that is constructed primarily of non-earthen materials (such as wood, concrete, steel, fiberglass, or plastic) which provides structural support and is designed to contain an accumulation of liquids or other materials. The following are not considered storage vessels:

- Vessels that are skid-mounted or permanently attached to something that is mobile (such as trucks, railcars, barges or ships), and are intended to be located at a site for less than 180 consecutive days. If the source does not keep or are not able to produce records, as required by §60.5420(c)(5)(iv), showing that the vessel has been located at a site for less than 180 consecutive days, the vessel described herein is considered to be a storage vessel since the original vessel was first located at the site.

- Process vessels such as surge control vessels, bottoms receivers or knockout vessels.

- Pressure vessels designed to operate in excess of 204.9 kilopascals and without emissions to the atmosphere.

This rule requires that the permittee determine the VOC emission rate for each storage vessel affected facility utilizing a generally accepted model or calculation methodology within 30 days of startup, and minimize emissions to the extent practicable during the 30 day period using good engineering practices. For each storage vessel affected facility that emits more than 6 tpy of VOC, the permittee must reduce VOC emissions by 95% or greater within 60 days of startup. The compliance date for applicable storage vessels is October 15, 2013.

M3 AGS will not be installing any produced fluid tanks at the Coopers Run Compressor Station and only one (1) 335 gallon methanol tank that has potential for VOC emissions. Potential VOC emissions from the 335 gallon methanol tank are less than 6 tpy. As such, the tank will not be a storage vessel affected facility under this rule.

40CFR63 Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines)

Subpart ZZZZ establishes national emission limitations and operating limitations for HAPs emitted from stationary RICE located at major and area sources of HAP emissions. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations. The engines at the Coopers Run Station are subject to the area source requirements for non-emergency spark ignition engines.

The applicability requirements for new four stroke lean burn stationary engines (CE-1, CE-2 and CE-3) that are located at an area source of HAPs is to meet the requirements of 40CFR60 Subpart JJJJ. These requirements were outlined above.

Because the three (3) compressor engines will not be EPA certified by the manufacturer, M3 AGS will be required to perform an initial performance test within 180 days from startup, and subsequent testing every 8,760 hours or 3 years, whichever comes first.

The applicability requirements for the EPA certified four stroke lean burn stationary engines (GE-1) that are located at an area source of HAPs is to minimize idle time at

startup, and change engine oil and filter, inspect spark plugs, and inspect/replace as necessary all hoses and belts every 1,440 hours or annually (whichever comes first).

The following rules do not apply to the facility:

45CSR2 (Particulate Air Pollution from Combustion of Fuel in Indirect Heat Exchangers)

The purpose of 45CSR2 is to establish emission limitations for smoke and particulate matter which are discharged from fuel burning units. 45CSR2 states that any fuel burning unit that has a heat input under ten (10) million B.T.U.'s per hour is exempt from sections 4 (weight emission standard), 5 (control of fugitive particulate matter), 6 (registration), 8 (testing, monitoring, recordkeeping, reporting) and 9 (startups, shutdowns, malfunctions). However, failure to attain acceptable air quality in parts of some urban areas may require the mandatory control of these sources at a later date.

There are no planned heaters or boilers at the Coopers Run Compressor Station so this regulation will not apply.

45CSR6 (To Prevent and Control Air Pollution from the Combustion of Refuse)

The purpose of this rule is to prevent and control air pollution from combustion of refuse.

The Coopers Run Compressor Station will not have any processes meeting this definition and therefore this regulation will not apply.

45CSR10 (To Prevent and Control Air Pollution from the Emission of Sulfur Oxides)

45CSR10 has requirements limiting SO_2 emissions from "fuel burning units," limiting in-stack SO_2 concentrations of "manufacturing processes," and limiting H_2S concentrations in process gas streams. The only potential applicability of 45CSR10 to the Coopers Run natural gas compression station is the limitations on fuel burning units. The engines each have been determined to not meet the definition of a "fuel burning unit" under 45CSR10 - they do not use indirect heat transfer - and are not, therefore, subject to the applicable requirements therein.

45CSR14 (Permits for Construction and Major Modification of Major Stationary Sources of Air Pollutants)

45CSR19 (Permits for Construction and Major Modification of Major Stationary Sources of Air Pollution which Cause or Contribute to Nonattainment)

The Cooper Run Compressor Station is located in Monongalia County, which is an unclassified county for all criteria pollutants, therefore the Coopers Run Station is not applicable to 45CSR19.

As shown in the following table, M3 AGS is not a major source subject to 45CSR14 or 45CSR19 review. According to 45CSR14 Section 2.43.e, fugitive emissions are not included in the major source determination because it is not listed as one of the source

categories in Table 1. Therefore, the fugitive emissions are not included in the PTE below.

Pollutant	PSD (45CSR14) Threshold (tpy)	NANSR (45CSR19) Threshold (tpy)	Coopers Run PTE (tpy)	45CSR14 or 45CSR19 Review Required?
Carbon Monoxide	250	NA	11.0	No
Nitrogen Oxides	250	NA	27.0	No
Sulfur Dioxide	250	NA	0.1	No
Particulate Matter 2.5	250	NA	0.01	No
Ozone (VOC)	250	NA	10.4	No
Greenhouse Gas (CO_2e)	100,000	NA	23,330	No

45CSR30 (Requirements for Operating Permits)

M3 AGS is not subject to 45CSR30. The Coopers Run Station is subject to 40CFR60 Subparts JJJJ and OOOO, however they are exempt from the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 71, provided they are not required to obtain a permit for a reason other than their status as an area source.

40CFR60 Subpart Kb (Standards of Performance for VOC Liquid Storage Vessels)

40CFR60 Subpart Kb does not apply to storage vessels with a capacity less than 75 cubic meters (~19,813 gallons). All of the proposed tanks at the Coopers Run Compressor Station have a capacity of 1260 gallons or less. Therefore, M3 AGS would not be subject to this rule.

40CFR60 Subpart KKK (Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants)

40CFR60 Subpart KKK applies to onshore natural gas processing plants that commenced construction after January 20, 1984, and on or before August 23, 2011. The Coopers Run Station is not a natural gas processing facility, therefore, M3 AGS is not subject to this rule.

40CFR63 Subpart HH (National Emission Standards for Hazardous Air Pollutants for Oil and Natural Gas Production Facilities)

Subpart HH establishes national emission limitations and operating limitations for HAPs emitted from oil and natural gas production facilities located at major and area sources of HAP emissions and either process, upgrade or store hydrocarbon liquids prior to custody transfer or that process, upgrade or store natural gas prior to entering the natural gas transmission and storage source category.

The proposed Coopers Run Compressor Station will not process or store hydrocarbon liquids and therefore this subpart will not apply.

TOXICITY OF NON-CRITERIA REGULATED POLLUTANTS

The majority of non-criteria regulated pollutants fall under the definition of HAPs which, with some revision since, were 188 compounds identified under Section 112(b) of the Clean Air Act (CAA) as pollutants or groups of pollutants that EPA knows or suspects may cause cancer or other serious human health effects. The following HAPs are common to this industry. The following table lists each HAP's carcinogenic risk (as based on analysis provided in the Integrated Risk Information System (IRIS)):

HAPs	Type	Known/Suspected Carcinogen	Classification
Formaldehyde	VOC	Yes	Category B1 - Probable Human Carcinogen
Benzene	VOC	Yes	Category A - Known Human Carcinogen
Ethylbenzene	VOC	No	Inadequate Data
Toluene	VOC	No	Inadequate Data
Xylenes	VOC	No	Inadequate Data

All HAPs have other non-carcinogenic chronic and acute effects. These adverse health effects may be associated with a wide range of ambient concentrations and exposure times and are influenced by source-specific characteristics such as emission rates and local meteorological conditions. Health impacts are also dependent on multiple factors that affect variability in humans such as genetics, age, health status (e.g., the presence of pre-existing disease) and lifestyle. As stated previously, *there are no federal or state ambient air quality standards for these specific chemicals*. For a complete discussion of the known health effects of each compound refer to the IRIS database located at *www.epa.gov/iris*.

AIR QUALITY IMPACT ANALYSIS

Modeling was not required of this source due to the fact that the facility is not subject to 45CSR14 (Permits for Construction and Major Modification of Major Stationary Sources of Air Pollutants) or 45CSR19 (Permits for Construction and Major Modification of Major Stationary Sources of Air Pollution which Cause or Contribute to Nonattainment) as shown in the table listed in the Regulatory Discussion section under 45CSR14/45CSR19.

MONITORING OF OPERATIONS

M3 AGS will be required to perform the following monitoring:

- Monitor and record quantity of natural gas consumed for all engines and combustion sources.
- Monitor all applicable requirements of 40CFR60 Subparts JJJJ and OOOO, 40CFR63 Subpart ZZZZ.

M3 AGS will be required to perform the following recordkeeping:

- Maintain records of the amount of natural gas consumed and hours of operation for all engines and combustion sources.
- Maintain records of testing conducted in accordance with the permit. Said records shall be maintained on-site or in a readily accessible off-site location
- Maintain the corresponding records specified by the on-going monitoring requirements of and testing requirements of the permit.
- Maintain records of the visible emission opacity tests conducted per the permit.
- Maintain a record of all potential to emit (PTE) HAP calculations for the entire facility. These records shall include the natural gas compressor engines and ancillary equipment.
- Monitor all applicable requirements of 40CFR60 Subparts JJJJ and OOOO, 40CFR63 Subpart ZZZZ.
- The records shall be maintained on site or in a readily available off-site location maintained by M3 AGS for a period of five (5) years.

RECOMMENDATION TO DIRECTOR

The information provided in the permit application indicates that M3 AGS meets all the requirements of applicable regulations. Therefore, impact on the surrounding area should be minimized and it is recommended that the Coopers Run Compressor Station should be granted a 45CSR13 construction permit for their facility.

Thornton E. Martin Jr.
Permit Engineer

February 23, 2016
Date

West Virginia Department of Environmental Protection

Earl Ray Tomblin
Governor

Division of Air Quality

Randy C. Huffman
Cabinet Secretary

Permit to Construct

R13-3291-D-R-A-F-T

This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§22-5-1 et seq.) and 45 C.S.R. 13 – Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation. The permittee identified at the above-referenced facility is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.

Issued to:

M3 Appalachia Gathering, LLC
Coopers Run Station
061-00205

William F. Durham
Director

Effective: D-R-A-F-T

Facility Location:	Blacksville, Monongalia County, West Virginia
Mailing Address:	742 Fairmont Road, Suite E, Westover, WV 26501
Facility Description:	Natural gas compressor station
NAICS Codes:	211111
UTM Coordinates:	568.12409 km Easting • 4,395.19410 km Northing • Zone 17S
Permit Type:	Construction
Description of Change:	Installation and operation of a natural gas compressor station.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §§22-5-14.

The source is not subject to 45CSR30.

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1.0. Emission Units

Emission Unit ID#	AMR[1]	Date	Process Equipment	Design Capacity	Type of Change	Control Device
CE-1	A	2016	Caterpillar 3606 Compressor Engine	1,775 hp	New	(Oxidation Catalyst)
CE-2	A	2016	Caterpillar 3606 Compressor Engine	1,775 hp	New	(Oxidation Catalyst)
CE-3	A	2016	Caterpillar 3606 Compressor Engine	1,775 hp	New	(Oxidation Catalyst)
T02	A	2016	Methanol Storage Tank	335 gal	New	None
GE-1	A	2016	Gillette Generator	126 hp	New	None
T03-T04	A	2016	Coolant Tanks	30 bbl (each)	New	None
T05-T10	A	2016	Lube Oil Tanks	500 gal (each)	New	None

1 A - Addition; M - Modification; R - Removal

1.1. Control Devices

Emission Unit	Pollutant	Control Device	Control Efficiency
1,775 hp, Caterpillar 3606 RICE, (CE-1, CE-2, CE-3)	Carbon Monoxide	EMIT Technologies, Catalytic Oxidation Catalyst Model No. ELS-4200-820F-4CEO-361	94 %
	Volatile Organic Compounds		73 %
	Formaldehyde		77 %
126 hp Gillette Generator (GE-1)	Volatile Organic Compounds	Not Applicable	
	Hazardous Air Pollutants		
Methanol Storage (T02)	Volatile Organic Compounds	Not Applicable	
	Hazardous Air Pollutants		
Methanol Loading	Volatile Organic Compounds	Not Applicable	

2.0. General Conditions

2.1. Definitions

2.1.1. All references to the "West Virginia Air Pollution Control Act" or the "Air Pollution Control Act" mean those provisions contained in W.Va. Code §§ 22-5-1 to 22-5-18.

2.1.2. The "Clean Air Act" means those provisions contained in 42 U.S.C. §§ 7401 to 7671q, and regulations promulgated thereunder.

2.1.3. "Secretary" means the Secretary of the Department of Environmental Protection or such other person to whom the Secretary has delegated authority or duties pursuant to W.Va. Code §§ 22-1-6 or 22-1-8 (45CSR§30-2.12.). The Director of the Division of Air Quality is the Secretary's designated representative for the purposes of this permit.

2.2. Acronyms

CAAA	Clean Air Act Amendments	**NOx**	Nitrogen Oxides
CBI	Confidential Business Information	**NSPS**	New Source Performance Standards
CEM	Continuous Emission Monitor	**PM**	Particulate Matter
CES	Certified Emission Statement	**$PM_{2.5}$**	Particulate Matter less than 2.5 µm in diameter
C.F.R. *or* CFR	Code of Federal Regulations	**PM_{10}**	Particulate Matter less than 10µm in diameter
CO	Carbon Monoxide	**Ppb**	Pounds per Batch
C.S.R. *or* CSR	Codes of State Rules	**Pph**	Pounds per Hour
DAQ	Division of Air Quality	**Ppm**	Parts per Million
DEP	Department of Environmental Protection	**Ppmv or ppmv**	Parts per Million by Volume
dscm	Dry Standard Cubic Meter	**PSD**	Prevention of Significant Deterioration
FOIA	Freedom of Information Act	**Psi**	Pounds per Square Inch
HAP	Hazardous Air Pollutant	**SIC**	Standard Industrial Classification
HON	Hazardous Organic NESHAP	**SIP**	State Implementation Plan
HP	Horsepower	**SO_2**	Sulfur Dioxide
lbs/hr	Pounds per Hour	**TAP**	Toxic Air Pollutant
LDAR	Leak Detection and Repair	**TPY**	Tons per Year
M	Thousand	**TRS**	Total Reduced Sulfur
MACT	Maximum Achievable Control Technology	**TSP**	Total Suspended Particulate
MDHI	Maximum Design Heat Input	**USEPA**	United States Environmental Protection Agency
MM	Million	**UTM**	Universal Transverse Mercator
MMBtu/hr *or* mmbtu/hr	Million British Thermal Units per Hour	**VEE**	Visual Emissions Evaluation
MMCF/hr *or* mmcf/hr	Million Cubic Feet per Hour	**VOC**	Volatile Organic Compounds
NA	Not Applicable	**VOL**	Volatile Organic Liquids
NAAQS	National Ambient Air Quality Standards		
NESHAPS	National Emissions Standards for Hazardous Air Pollutants		

2.3. Authority

This permit is issued in accordance with West Virginia air pollution control law W.Va. Code §§ 22-5-1. et seq. and the following Legislative Rules promulgated thereunder:

2.3.1. 45CSR13 – *Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation*;

2.4. Term and Renewal

2.4.1. This Permit shall remain valid, continuous and in effect unless it is revised, suspended, revoked or otherwise changed under an applicable provision of 45CSR13 or any other applicable legislative rule;

2.5. Duty to Comply

2.5.1. The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-3291 and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to;
[45CSR§§13-5.11 and -10.3.]

2.5.2. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA;

2.5.3. Violations of any of the conditions contained in this permit, or incorporated herein by reference, may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7;

2.5.4. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and obtain all other permits, licenses, and/or approvals from other agencies; i.e., local, state, and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.

2.6. Duty to Provide Information

The permittee shall furnish to the Secretary within a reasonable time any information the Secretary may request in writing to determine whether cause exists for administratively updating, modifying, revoking, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Secretary copies of records to be kept by the permittee. For information claimed to be confidential, the permittee shall furnish such records to the Secretary along with a claim of confidentiality in accordance with 45CSR31. If confidential information is to be sent to USEPA, the permittee shall directly provide such information to USEPA along with a claim of confidentiality in accordance with 40 C.F.R. Part 2.

2.7. Duty to Supplement and Correct Information

Upon becoming aware of a failure to submit any relevant facts or a submittal of incorrect information in any permit application, the permittee shall promptly submit to the Secretary such supplemental facts or corrected information.

2.8. Administrative Update

The permittee may request an administrative update to this permit as defined in and according to the procedures specified in 45CSR13.
[45CSR§13-4.]

2.9. Permit Modification

The permittee may request a minor modification to this permit as defined in and according to the procedures specified in 45CSR13.
[45CSR§13-5.4.]

2.10 Major Permit Modification

The permittee may request a major modification as defined in and according to the procedures specified in 45CSR14 or 45CSR19, as appropriate.
[45CSR§13-5.1]

2.11. Inspection and Entry

The permittee shall allow any authorized representative of the Secretary, upon the presentation of credentials and other documents as may be required by law, to perform the following:

a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

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

c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;

d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

2.12. Emergency

2.12.1. An "emergency" means any situation arising from sudden and reasonable unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by

improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

2.12.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of Section 2.12.3 are met.

2.12.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

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

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

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

d. The permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

2.12.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.

2.12.5 The provisions of this section are in addition to any emergency or upset provision contained in any applicable requirement.

2.13. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it should have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. However, nothing in this paragraph shall be construed as precluding consideration of a need to halt or reduce activity as a mitigating factor in determining penalties for noncompliance if the health, safety, or environmental impacts of halting or reducing operations would be more serious than the impacts of continued operations.

2.14. Suspension of Activities

In the event the permittee should deem it necessary to suspend, for a period in excess of sixty (60) consecutive calendar days, the operations authorized by this permit, the permittee shall notify the Secretary, in writing, within two (2) calendar weeks of the passing of the sixtieth (60) day of the suspension period.

2.15. Property Rights

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

2.16. Severability

The provisions of this permit are severable and should any provision(s) be declared by a court of competent jurisdiction to be invalid or unenforceable, all other provisions shall remain in full force and effect.

2.17. Transferability

This permit is transferable in accordance with the requirements outlined in Section 10.1 of 45CSR13. **[45CSR§13-10.1.]**

2.18. Notification Requirements

The permittee shall notify the Secretary, in writing, no later than thirty (30) calendar days after the actual startup of the operations authorized under this permit.

2.19. Credible Evidence

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defense otherwise available to the permittee including, but not limited to, any challenge to the credible evidence rule in the context of any future proceeding.

3.0. Facility-Wide Requirements

3.1. Limitations and Standards

3.1.1. **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.
[45CSR§6-3.1.]

3.1.2. **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.
[45CSR§6-3.2.]

3.1.3. **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.
[40CFR§61.145(b) and 45CSR§34]

3.1.4. **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.
[45CSR§4-3.1] ***[State Enforceable Only]***

3.1.5. **Permanent shutdown.** A source which has not operated at least 500 hours in one 12-month period within the previous five (5) year time period may be considered permanently shutdown, unless such source can provide to the Secretary, with reasonable specificity, information to the contrary. All permits may be modified or revoked and/or reapplication or application for new permits may be required for any source determined to be permanently shutdown.
[45CSR§13-10.5.]

3.1.6. **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.
[45CSR§11-5.2.]

3.1.7. The registrant shall not create a nuisance to the surrounding community by way of unreasonable noise and light during operation.

3.2. Monitoring Requirements

[Reserved]

3.3. Testing Requirements

3.3.1. **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 in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4. or 45CSR§13-5.4 as 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 Section 3.3.1.a. of this permit. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4. or 45CSR§13-5.4 as applicable.

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.

d. The permittee shall submit a report of the results of the stack test within sixty (60) days of completion of the test. The test report shall provide the information necessary to document the objectives of the test and to determine whether proper procedures were used to accomplish these objectives. The report shall include the following: the certification described in paragraph 3.5.1.; a statement of compliance status, also signed by a responsible official; and, a summary of conditions which form the basis for the compliance status evaluation. The summary of conditions shall include the following:

    1. The permit or rule evaluated, with the citation number and language;
    2. The result of the test for each permit or rule condition; and,
    3. A statement of compliance or noncompliance with each permit or rule condition.

[WV Code § 22-5-4(a)(14-15) and 45CSR13]

3.4. Recordkeeping Requirements

3.4.1. **Retention of records.** The permittee shall maintain records of all information (including monitoring data, support information, reports, and notifications) required by this permit recorded in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on site. The remaining three (3) years of data may be maintained off site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on a computer, on computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.

3.4.2. **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.
[45CSR§4. *State Enforceable Only.*]

3.5. Reporting Requirements

3.5.1. **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.

3.5.2. **Confidential information.** A permittee may request confidential treatment for the submission of reporting required by this permit pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.

3.5.3. **Correspondence.** 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, or mailed first class 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
Charleston, WV 25304-2345

If to the US EPA:
Associate Director
Office of Air Enforcement and Compliance Assistance
(3AP20)
U.S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

3.5.4. Operating Fee

3.5.4.1. In accordance with 45CSR22 – Air Quality Management Fee Program, the permittee shall not operate nor cause to operate the permitted facility or other associated facilities on the same or contiguous sites comprising the plant without first obtaining and having in current effect a

Certificate to Operate (CTO). Such Certificate to Operate (CTO) shall be renewed annually, shall be maintained on the premises for which the certificate has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

3.5.4.2. In accordance with 45CSR22 – Air Quality Management Fee Program, enclosed with this permit is an Application for a Certificate to Operate (CTO). The CTO will cover the time period beginning with the date of initial startup through the following June 30. Said application and the appropriate fee shall be submitted to this office prior to the date of initial startup. For any startup date other than July 1, the permittee shall pay a fee or prorated fee in accordance with Section 4.5 of 45CSR22. A copy of this schedule may be found on the reverse side of the CTO application.

3.5.5. **Emission inventory.** At such time(s) as the Secretary may designate, the permittee herein shall prepare and submit an emission inventory for the previous year, addressing the emissions from the facility and/or process(es) authorized herein, in accordance with the emission inventory submittal requirements of the Division of Air Quality. After the initial submittal, the Secretary may, based upon the type and quantity of the pollutants emitted, establish a frequency other than on an annual basis.

4.0. Source-Specific Requirements

4.1. Limitations and Standards

4.1.1. **Record of Monitoring.** 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.

4.1.2. **Minor Source of Hazardous Air Pollutants (HAP).** HAP emissions from the facility shall be less than 10 tons/year of any single HAP or 25 tons/year of any combination of HAPs. Compliance with this Section shall ensure that the facility is a minor HAP source.

4.1.3. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11.]

4.1.4. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

a. The equipment involved.
b. Steps taken to minimize emissions during the event.
c. The duration of the event.
d. The estimated increase in emissions during the event.

For each such case associated with an equipment malfunction, the additional information shall also be recorded:

e. The cause of the malfunction.
f. Steps taken to correct the malfunction.
g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

4.1.5. The permittee shall not exceed the number and type of components (valves, pump seals, connectors, etc.) in gas/vapor or light liquid (as applicable) listed in Permit Applications R13-3291.

4.1.6. The permittee shall install, maintain, and operate all above-ground piping, valves, pumps, etc. that service lines in the transport of potential sources of regulated air pollutants to prevent any substantive fugitive escape of regulated air pollutants. Any above-ground piping, valves, pumps, etc. that shows signs of excess wear and that have a reasonable potential for substantive fugitive emissions of regulated air pollutants shall be replaced.

5.0. Source-Specific Requirements (CE-1, CE-2, CE-3 and GE-1)

5.1. Limitations and Standards

5.1.1. The quantity of natural gas that shall be consumed in each of the 1,775 hp natural gas fired reciprocating engines equipped with oxidation catalyst, Caterpillar 3606 (CE-1, CE-2 and CE-3) shall not exceed 13,080 cubic feet per hour or 114.6 x 10^6 cubic feet per year.

5.1.2. Maximum emissions from each of the 1,775 hp natural gas fired reciprocating engines equipped with oxidation catalyst, Caterpillar 3606 (CE-1, CE-2 and CE-3) shall not exceed the following limits:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (ton/year)
Nitrogen Oxides	1.96	8.57
Carbon Monoxide	0.63	2.74
Volatile Organic Compounds	0.67	2.91
Formaldehyde	0.24	1.03

5.1.3. The quantity of natural gas that shall be consumed in the 126 hp natural gas fired Generator (GE-1) shall not exceed 1330 cubic feet per hour or 11.6 x 10^6 cubic feet per year.

5.1.4. Maximum emissions from the 126 hp natural gas fired Generator (GE-1) shall not exceed the following limits:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (ton/year)
Nitrogen Oxides	0.28	1.22
Carbon Monoxide	0.56	2.43
Volatile Organic Compounds	0.19	0.85
Formaldehyde	0.07	0.30

5.1.5. Requirements for Use of Catalytic Reduction Devices (Engines CE-1, CE-2 and CE-3)

a. Lean-burn natural gas compressor engines equipped with oxidation catalyst air pollution control devices shall be fitted with a closed-loop automatic air/fuel ratio feedback controller to ensure emissions of regulated pollutants do not exceed the potential to emit for any engine/oxidation catalyst combination under varying load. The closed-loop, automatic air/fuel ratio controller shall control a fuel metering valve to ensure a lean-rich mixture.

b. For natural gas compressor engines, the permittee shall monitor the temperature to the inlet of the catalyst and in accordance with manufacturer's specifications; a high temperature alarm shall shut off the engine before thermal deactivation of the catalyst occurs. If the engine shuts off due to high temperature, the permittee shall also check for thermal deactivation of the catalyst before normal operations are resumed.

c. The permittee shall follow a written operation and maintenance plan that provides the periodic and annual maintenance requirements.

d. Upon request by the Director, testing shall be conducted using a portable analyzer in accordance with a protocol approved by the Director. Such controls shall ensure proper and efficient operation of the engine and air pollution control devices.

e. No person shall knowingly:
   1. Remove or render inoperative any air pollution or auxiliary air pollution control device installed subject to the requirements of this permit;
   2. Install any part or component when the principal effect of the part or component is to bypass, defeat or render inoperative any air pollution control device or auxiliary air pollution control device installed subject to the requirements of this permit; or
   3. Cause or allow engine exhaust gases to bypass any catalytic reduction device.

5.2. Monitoring Requirements

5.2.1. Catalytic Oxidizer Control Devices (Engines CE-1, CE-2 and CE-3)

a. The permittee shall regularly inspect, properly maintain and/or replace catalytic reduction devices and auxiliary air pollution control devices to ensure functional and effective operation of the engine's physical and operational design. The permittee shall ensure proper operation, maintenance and performance of catalytic reduction devices and auxiliary air pollution control devices by:

   1. Maintaining proper operation of the automatic air/fuel ratio controller or automatic feedback controller.
   2. Following operating and maintenance recommendations of the catalyst element manufacturer.

5.3. Testing Requirements

5.3.1. See Facility-Wide Testing Requirements Section 3.3 and Testing Requirements of Sections 6.2, and 6.3.

5.4. Recordkeeping Requirements

5.4.1. To demonstrate compliance with sections 5.1.1 – 5.1.4, the permittee shall maintain records of the amount of natural gas consumed in each engine and the hours of operation of each engine. Said records shall be maintained on site or in a readily accessible off-site location maintained by the permittee for a period of five (5) years. Said records shall be readily available to the Director of the Division of Air Quality or his/her duly authorized representative for expeditious inspection and review. Any records submitted to the agency pursuant to a requirement of this permit or upon request by the Director shall be certified by a responsible official.

5.4.2. To demonstrate compliance with section 5.1.5 the permittee shall maintain records of all catalytic reduction device maintenance. Said records shall be maintained on site or in a readily accessible off-site location maintained by the permittee for a period of five (5) years. Said records shall be readily available to the Director of the Division of Air Quality or his/her duly authorized representative for expeditious inspection and review. Any records submitted to the agency pursuant to a requirement of this permit or upon request by the Director shall be certified by a responsible official.

5.5. Reporting Requirements

5.5.1. See Facility-Wide Reporting Requirements Section 3.5 and Reporting Requirements of Sections 6.6.

6.0. Source-Specific Requirements (40CFR60 Subpart JJJJ Requirements, CE-1, CE-2, CE-3 and GE-1)

6.1. Limitations and Standards

6.1.1. The provisions of this subpart are applicable to owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) as specified below. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

a. Owners and operators of stationary SI ICE that commence construction after June 12, 2006, where the stationary SI ICE are manufactured:

1. On or after July 1, 2007, for engines with a maximum engine power greater than or equal to 500 HP (except lean burn engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP);

2. *Reserved;*

3. on or after July 1, 2008, for engines with a maximum engine power less than 500 HP; or

4. *Reserved.*

b. Owners and operators of stationary SI ICE that commence modification or reconstruction after June 12, 2006.

[40CFR§60.4230(a)]

6.1.2. The provisions of this subpart are not applicable to stationary SI ICE being tested at an engine test cell/stand. **[40CFR§60.4230(b)]**

6.1.3. If you are an owner or operator of an area source subject to this subpart, you are exempt from the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart as applicable. **[40CFR§60.4230(c)]**

6.1.4. Stationary SI ICE may be eligible for exemption from the requirements of this subpart as described in 40 CFR part 1068, subpart C (or the exemptions described in 40 CFR parts 90 and 1048, for engines that would need to be certified to standards in those parts), except that owners and operators, as well as manufacturers, may be eligible to request an exemption for national security. **[40CFR§60.4230(e)]**

6.1.5. Owners and operators of facilities with internal combustion engines that are acting as temporary replacement units and that are located at a stationary source for less than 1 year and that have been properly certified as meeting the standards that would be applicable to such engine under the appropriate non-road engine provisions, are not required to meet any other provisions under this subpart with regard to such engines. **[40CFR§60.4230(f)]**

6.2. Emission Standards for Owners and Operators

6.2.1. Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards in Table 1 to this subpart for their stationary SI ICE. For owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 100 HP (except gasoline and rich burn engines that use LPG) manufactured prior to January 1, 2011 that were certified to the certification emission standards in 40 CFR part 1048 applicable to engines that are not severe duty engines, if such stationary SI ICE was certified to a carbon monoxide (CO) standard above the standard in Table 1 to this subpart, then the owners and operators may meet the

CO certification (not field testing) standard for which the engine was certified. **[40CFR§60.4233(e)]**

6.2.2. Owners and operators of stationary SI ICE that are required to meet standards that reference 40 CFR 1048.101 must, if testing their engines in use, meet the standards in that section applicable to field testing, except as indicated in paragraph (e) of this section. **[40CFR§60.4233(h)]**

6.2.3. Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in §60.4233 over the entire life of the engine. **[40CFR§60.4234]**

6.3. Other Requirements for Owners and Operators

6.3.1. After July 1, 2010, owners and operators may not install stationary SI ICE with a maximum engine power of less than 500 HP that do not meet the applicable requirements in §60.4233. **[40CFR§60.4236(a)]**

6.3.2. After July 1, 2009, owners and operators may not install stationary SI ICE with a maximum engine power of greater than or equal to 500 HP that do not meet the applicable requirements in §60.4233, except that lean burn engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP that do not meet the applicable requirements in §60.4233 may not be installed after January 1, 2010. **[40CFR§60.4236(b)]**

6.3.3. For emergency stationary SI ICE with a maximum engine power of greater than 19 KW (25 HP), owners and operators may not install engines that do not meet the applicable requirements in §60.4233 after January 1, 2011. **[40CFR§60.4236(c)]**

6.3.4. In addition to the requirements specified in §§60.4231 and 60.4233, it is prohibited to import stationary SI ICE less than or equal to 19 KW (25 HP), stationary rich burn LPG SI ICE, and stationary gasoline SI ICE that do not meet the applicable requirements specified in paragraphs (a), (b), and (c) of this section, after the date specified in paragraph (a), (b), and (c) of this section. **[40CFR§60.4236(d)]**

6.3.5. The requirements of this section do not apply to owners and operators of stationary SI ICE that have been modified or reconstructed, and they do not apply to engines that were removed from one existing location and reinstalled at a new location. **[40CFR§60.4236(e)]**

6.3.6. Starting on January 1, 2011, if the emergency stationary SI internal combustion engine that is greater than or equal to 130 HP and less than 500 HP that was built on or after January 1, 2011, does not meet the standards applicable to non-emergency engines, the owner or operator must install a non-resettable hour meter. **[40CFR§60.4237(b)]**

6.4. Compliance Requirements for Owners and Operators

6.4.1. If you are an owner or operator of a stationary SI internal combustion engine and must comply with the emission standards specified in §60.4233(d) or (e), you must demonstrate compliance according to one of the methods specified in paragraphs (b)(1) and (2) of this section.

a. Purchasing an engine certified according to procedures specified in this subpart, for the same model year and demonstrating compliance according to one of the methods specified in paragraph (a) of this section.

b. Purchasing a non-certified engine and demonstrating compliance with the emission standards specified in §60.4233(d) or (e) and according to the requirements specified in §60.4244, as applicable, and according to paragraphs (b)(2)(i) and (ii) of this section.

1. If you are an owner or operator of a stationary SI internal combustion engine greater than 25 HP and less than or equal to 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance.
2. If you are an owner or operator of a stationary SI internal combustion engine greater than 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test and conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

[40CFR§60.4243(b)]

6.4.2. If you are an owner or operator of a stationary SI internal combustion engine that must comply with the emission standards specified in §60.4233(f), you must demonstrate compliance according paragraph (b)(2)(i) or (ii) of this section, except that if you comply according to paragraph (b)(2)(i) of this section, you demonstrate that your non-certified engine complies with the emission standards specified in §60.4233(f). **[40CFR§60.4243(c)]**

6.4.3. Emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. Emergency stationary ICE may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. For owners and operators of emergency engines, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in this section, is prohibited. **[40CFR§60.4243(d)]**

6.4.4. Owners and operators of stationary SI natural gas fired engines may operate their engines using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations, but must keep records of such use. If propane is used for more than 100 hours per year in an engine that is not certified to the emission standards when using propane, the owners and operators are required to conduct a performance test to demonstrate compliance with the emission standards of §60.4233. **[40CFR§60.4243(e)]**

6.4.5. If you are an owner or operator of a stationary SI internal combustion engine that is less than or equal to 500 HP and you purchase a non-certified engine or you do not operate and maintain your certified stationary SI internal combustion engine and control device according to the manufacturer's written emission-related instructions, you are required to perform initial performance testing as indicated in this section, but you are not required to conduct subsequent performance testing unless the stationary engine is rebuilt or undergoes major repair or maintenance. A rebuilt stationary SI ICE means an engine that has been rebuilt as that term is defined in 40 CFR 94.11(a). **[40CFR§60.4243(f)]**

6.4.6. It is expected that air-to-fuel ratio controllers will be used with the operation of three-way catalysts/non-selective catalytic reduction. The AFR controller must be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times. **[40CFR§60.4243(g)]**

6.4.7. If you are an owner/operator of an stationary SI internal combustion engine with maximum engine power greater than or equal to 500 HP that is manufactured after July 1, 2007 and before July 1, 2008, and must comply with the emission standards specified in sections 60.4233(b) or (c), you must comply by one of the methods specified in paragraphs (h)(1) through (h)(4) of this section.

a. Purchasing an engine certified according to 40 CFR part 1048. The engine must be installed and configured according to the manufacturer's specifications.

b. Keeping records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in this subpart and these methods must have been followed correctly.

c. Keeping records of engine manufacturer data indicating compliance with the standards.

d. Keeping records of control device vendor data indicating compliance with the standards.

[40CFR§60.4243(h)]

6.5. Testing Requirements for Owners and Operators

6.5.1. Owners and operators of stationary SI ICE who conduct performance tests must follow the procedures in paragraphs (a) through (f) of this section.

a. Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in §60.8 and under the specific conditions that are specified by Table 2 to this subpart. **[40CFR§60.4244(a)]**

b. You may not conduct performance tests during periods of startup, shutdown, or malfunction, as specified in §60.8(c). If your stationary SI internal combustion engine is non-operational, you do not need to start up the engine solely to conduct a performance test; however, you must conduct the performance test immediately upon startup of the engine. **[40CFR§60.4244(b)]**

c. You must conduct three separate test runs for each performance test required in this section, as specified in §60.8(f). Each test run must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and last at least 1 hour. **[40CFR§60.4244(c)]**

d. To determine compliance with the NO_X mass per unit output emission limitation, convert the concentration of NO_X in the engine exhaust using Equation 1 of this section:

$$ER = \frac{C_d \times 1.912 \times 10^{-3} \times Q \times T}{HP - hr} \qquad \text{(Eq. 1)}$$

Where:
ER = Emission rate of NO_X in g/HP-hr.

C_d= Measured NO_X concentration in parts per million by volume (ppmv).

1.912×10^{-3} = Conversion constant for ppm NO_X to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meter per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, horsepower-hour (HP-hr).

[40CFR§60.4244(d)]

e. To determine compliance with the CO mass per unit output emission limitation, convert the concentration of CO in the engine exhaust using Equation 2 of this section:

$$ER = \frac{C_d \times 1.164 \times 10^{-3} \times Q \times T}{HP - hr} \quad \text{(Eq. 2)}$$

Where:
ER = Emission rate of CO in g/HP-hr.

C_d= Measured CO concentration in ppmv.

1.164×10^{-3} = Conversion constant for ppm CO to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meters per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, in HP-hr.

[40CFR§60.4244(e)]

f. For purposes of this subpart, when calculating emissions of VOC, emissions of formaldehyde should not be included. To determine compliance with the VOC mass per unit output emission limitation, convert the concentration of VOC in the engine exhaust using Equation 3 of this section:

$$ER = \frac{C_d \times 1.833 \times 10^{-3} \times Q \times T}{HP - hr} \quad \text{(Eq. 3)}$$

Where:
ER = Emission rate of VOC in g/HP-hr.

C_d= VOC concentration measured as propane in ppmv.

1.833×10^{-3} = Conversion constant for ppm VOC measured as propane, to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meters per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, in HP-hr.

[40CFR§60.4244(f)]

g. If the owner/operator chooses to measure VOC emissions using either Method 18 of 40 CFR part 60, appendix A, or Method 320 of 40 CFR part 63, appendix A, then it has the option of correcting the measured VOC emissions to account for the potential differences in measured values between these methods and Method 25A. The results from Method 18 and Method 320 can be corrected for response factor differences using Equations 4 and 5 of this section. The corrected VOC concentration can then be placed on a propane basis using Equation 6 of this section.

$$RF_i = \frac{C_{Mi}}{C_{Ai}} \qquad \text{(Eq. 4)}$$

Where:
RF_i= Response factor of compound i when measured with EPA Method 25A.

C_{Mi}= Measured concentration of compound i in ppmv as carbon.

C_{Ai}= True concentration of compound i in ppmv as carbon.

$$C_{icorr} = RF_i \times C_{imeas} \qquad \text{(Eq. 5)}$$

Where:
C_{icorr}= Concentration of compound i corrected to the value that would have been measured by EPA Method 25A, ppmv as carbon.

C_{imeas}= Concentration of compound i measured by EPA Method 320, ppmv as carbon.

$$C_{Peq} = 0.6098 \times C_{icorr} \qquad \text{(Eq. 6)}$$

Where:
C_{Peq}= Concentration of compound i in mg of propane equivalent per DSCM.

[40CFR§60.4244(g)]

6.6. Notification, Reports, and Records for Owners and Operators

6.6.1. Owners or operators of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements.

a. Owners and operators of all stationary SI ICE must keep records of the information in paragraphs (a)(1) through (4) of this section.

1. All notifications submitted to comply with this subpart and all documentation supporting any notification.
2. Maintenance conducted on the engine.
3. If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90 and 1048.

4. If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to §60.4243(a)(2), documentation that the engine meets the emission standards.

[40CFR§60.4245(a)]

b. For all stationary SI emergency ICE greater than or equal to 500 HP manufactured on or after July 1, 2010, that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. For all stationary SI emergency ICE greater than or equal to 130 HP and less than 500 HP manufactured on or after July 1, 2011 that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. For all stationary SI emergency ICE greater than 25 HP and less than 130 HP manufactured on or after July 1, 2008, that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. **[40CFR§60.4245(b)]**

c. Owners and operators of stationary SI ICE greater than or equal to 500 HP that have not been certified by an engine manufacturer to meet the emission standards in §60.4231 must submit an initial notification as required in §60.7(a)(1). The notification must include the information in paragraphs (c)(1) through (5) of this section.

1. Name and address of the owner or operator;
2. The address of the affected source;
3. Engine information including make, model, engine family, serial number, model year, maximum engine power, and engine displacement;
4. Emission control equipment; and
5. Fuel used.

[40CFR§60.4245(c)]

d. Owners and operators of stationary SI ICE that are subject to performance testing must submit a copy of each performance test as conducted in §60.4244 within 60 days after the test has been completed. **[40CFR§60.4245(d)]**

7.0. Source-Specific Requirements (40CFR60 Subpart OOOO Requirements, Reciprocating Compressor Engines, CE-1, CE-2 and CE-3)

7.1. Limitations and Standards

7.1.1. You must comply with the standards in paragraphs (a) through (d) of this section for each reciprocating compressor affected facility.

a. You must replace the reciprocating compressor rod packing according to either paragraph (a)(1) or (2) of this section.

1. Before the compressor has operated for 26,000 hours. The number of hours of operation must be continuously monitored beginning upon initial startup of your reciprocating compressor affected facility, or October 15, 2012, or the date of the most recent reciprocating compressor rod packing replacement, whichever is later.

2. Prior to 36 months from the date of the most recent rod packing replacement, or 36 months from the date of startup for a new reciprocating compressor for which the rod packing has not yet been replaced.

b. You must demonstrate initial compliance with standards that apply to reciprocating compressor affected facilities as required by § 60.5410.

c. You must demonstrate continuous compliance with standards that apply to reciprocating compressor affected facilities as required by § 60.5415.

d. You must perform the required notification, recordkeeping, and reporting as required by § 60.5420.

[40CFR§60.5385, Reciprocating Compressor Engines]

7.2. Initial Compliance Demonstration

7.2.1. You must determine initial compliance with the standards for each affected facility using the requirements in paragraph (c) of this section. The initial compliance period begins on October 15, 2012 or upon initial startup, whichever is later, and ends no later than one year after the initial startup date for your affected facility or no later than one year after October 15, 2012. The initial compliance period may be less than one full year.

c. To achieve initial compliance with the standards for each reciprocating compressor affected facility you must comply with paragraphs (c)(1) through (4) of this section.

1. During the initial compliance period, you must continuously monitor the number of hours of operation or track the number of months since the last rod packing replacement.

2. Reserved.

3. You must submit the initial annual report for your reciprocating compressor as required in § 60.5420(b).

4. You must maintain the records as specified in § 60.5420(c)(3) for each reciprocating compressor affected facility.

[40CFR§60.5410]

7.3. Continuous Compliance Demonstration

7.3.1. For each reciprocating compressor affected facility, you must demonstrate continuous compliance according to paragraphs (1) through (3) of this section.

1. You must continuously monitor the number of hours of operation for each reciprocating compressor affected facility or track the number of months since initial startup, or October 15, 2012, or the date of the most recent reciprocating compressor rod packing replacement, whichever is later.

2. You must submit the annual report as required in § 60.5420(b) and maintain records as required in § 60.5420(c)(3).

3. You must replace the reciprocating compressor rod packing before the total number of hours of operation reaches 26,000 hours or the number of months since the most recent rod packing replacement reaches 36 months.
[40CFR§60.5415]

7.3.2. Affirmative defense for violations of emission standards during malfunction. In response to an action to enforce the standards set forth in §§ 60.5375, you may assert an affirmative defense to a claim for civil penalties for violations of such standards that are caused by malfunction, as defined at § 60.2. Appropriate penalties may be assessed, however, if you fail to meet your burden of proving all of the requirements in the affirmative defense. The affirmative defense shall not be available for claims for injunctive relief.

(1) To establish the affirmative defense in any action to enforce such a standard, you must timely meet the reporting requirements in § 60.5415(h)(2), and must prove by a preponderance of evidence that:

(i) The violation:

(A) Was caused by a sudden, infrequent, and unavoidable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner; and

(B) Could not have been prevented through careful planning, proper design or better operation and maintenance practices; and

(C) Did not stem from any activity or event that could have been foreseen and avoided, or planned for; and

(D) Was not part of a recurring pattern indicative of inadequate design, operation, or maintenance; and

(ii) Repairs were made as expeditiously as possible when a violation occurred. Off-shift and overtime labor were used, to the extent practicable to make these repairs; and

(iii) The frequency, amount and duration of the violation (including any bypass) were minimized to the maximum extent practicable; and

(iv) If the violation resulted from a bypass of control equipment or a process, then the bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and

(v) All possible steps were taken to minimize the impact of the violation on ambient air quality, the environment and human health; and

(vi) All emissions monitoring and control systems were kept in operation if at all possible, consistent with safety and good air pollution control practices; and

(vii) All of the actions in response to the violation were documented by properly signed, contemporaneous operating logs; and

(viii) At all times, the affected source was operated in a manner consistent with good practices for minimizing emissions; and

(ix) A written root cause analysis has been prepared, the purpose of which is to determine, correct, and eliminate the primary causes of the malfunction and the violation resulting from the malfunction event at issue. The analysis shall also specify, using best monitoring methods and engineering judgment, the amount of any emissions that were the result of the malfunction.

(2) Report. The owner or operator seeking to assert an affirmative defense shall submit a written report to the Administrator with all necessary supporting documentation, that it has met the requirements set forth in paragraph (h)(1) of this section. This affirmative defense report shall be included in the first periodic compliance, deviation report or excess emission report otherwise required after the initial occurrence of the violation of the relevant standard (which may be the end of any applicable averaging period). If such compliance, deviation report or excess emission report is due less than 45 days after the initial occurrence of the violation, the affirmative defense report may be included in the second compliance, deviation report or excess emission report due after the initial occurrence of the violation of the relevant standard.
[40CFR§60.5415]

7.4. Notification, Recordkeeping and Reporting Requirements

7.4.1. You must submit the notifications according to paragraphs (a)(1) and (2) of this section if you own or operate one or more of the affected facilities specified in § 60.5365 that was constructed, modified, or reconstructed during the reporting period.
[40CFR§60.5420(a)]

7.4.2. Reporting requirements. You must submit annual reports containing the information specified in paragraphs (b)(1) and (4) of this section to the Administrator and performance test reports as specified in paragraph (b)(7) of this section. The initial annual report is due no later than 90 days after the end of the initial compliance period as determined according to § 60.5410. Subsequent annual reports are due no later than same date each year as the initial annual report. If you own or operate more than one affected facility, you may submit one report for multiple affected facilities provided the report contains all of the information required as specified in paragraphs (b)(1) and (4) of this section. Annual reports may coincide with title V reports as long as all the required elements of the annual report are included. You may arrange with the Administrator a common schedule on which reports required by this part may be submitted as long as the schedule does not extend the reporting period.

(1) The general information specified in paragraphs (b)(1)(i) through (iv) of this section.

(i) The company name and address of the affected facility.

(ii) An identification of each affected facility being included in the annual report.

(iii) Beginning and ending dates of the reporting period.

(iv) A certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(4) For each reciprocating compressor affected facility, the information specified in paragraphs (b)(4)(i) through (ii) of this section.

(i) The cumulative number of hours of operation or the number of months since initial startup, since October 15, 2012, or since the previous reciprocating compressor rod packing replacement, whichever is later.

(ii) Records of deviations specified in paragraph (c)(3)(iii) of this section that occurred during the reporting period.

(7)(i) Within 60 days after the date of completing each performance test (see § 60.8 of this part) as required by this subpart you must submit the results of the performance tests required by this subpart to EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of EPA's Electronic Reporting Tool (ERT) (see http://www.epa.gov/ttn/chief/ert/index.html). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. Owners or operators who claim that some of the information being submitted for performance tests is confidential business information (CBI) must submit a complete ERT file including information claimed to be CBI on a compact disk or other commonly used electronic storage media (including, but not limited to, flash drives) to EPA. The electronic media must be clearly marked as CBI and mailed to U.S. EPA/OAPQS/CORE CBI Office, Attention: WebFIRE Administrator, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT file with the CBI omitted must be submitted to EPA via CDX as described earlier in this paragraph. At the discretion of the delegated authority, you must also submit these reports, including the confidential business information, to the delegated authority in the format specified by the delegated authority.

(ii) All reports required by this subpart not subject to the requirements in paragraph (a)(2)(i) of this section must be sent to the Administrator at the appropriate address listed in § 63.13 of this part. The Administrator or the delegated authority may request a report in any form suitable for the specific case (e.g., by commonly used electronic media such as Excel spreadsheet, on CD or hard copy). The Administrator retains the right to require submittal of reports subject to paragraph (a)(2)(i) and (ii) of this section in paper format.
[40CFR§60.5420]

7.4.3. Recordkeeping requirements. You must maintain the records identified as specified in § 60.7(f) and in paragraph (c)(1) of this section. All records must be maintained for at least 5 years.

(3) For each reciprocating compressors affected facility, you must maintain the records in paragraphs (c)(3)(i) through (iii) of this section.

(i) Records of the cumulative number of hours of operation or number of months since initial startup or October 15, 2012, or the previous replacement of the reciprocating compressor rod packing, whichever is later.

(ii) Records of the date and time of each reciprocating compressor rod packing replacement.

(iii) Records of deviations in cases where the reciprocating compressor was not operated in compliance with the requirements specified in § 60.5385.

[40CFR§60.5420]

8.0. Source-Specific Requirements (40CFR63 Subpart ZZZZ Requirements, CE-1, CE-2, CE-3 and GE-1)

8.1. Limitations and Standards

8.1.1. The permittee must comply with the applicable operating limitations in this section no later than October 19, 2013.
[40 C.F.R. § 63.6595(a)]

8.1.2. *Stationary RICE subject to Regulation under 40 CFR Part 60.* An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.

8.1.3. The permittee meets the criteria of paragraph (c)(1), which is for a new or reconstructed stationary RICE located at an area source. The permittee must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart JJJJ.
[40 C.F.R. § 63.6590(c)] [CE-1, CE-2 and CE-3]

8.1.4. The permittee shall minimize idle time at startup, and change engine oil and filter, inspect spark plugs, and inspect/replace as necessary all hoses and belts every 1,440 hours or annually (whichever comes first) **[GE-1]**.

CERTIFICATION OF DATA ACCURACY

I, the undersigned, hereby certify that, based on information and belief formed after reasonable inquiry, all information contained in the attached _____, representing the period beginning _____ and ending _____, and any supporting documents appended hereto, is true, accurate, and complete.

Signature[1] (please use blue ink) _____ Responsible Official or Authorized Representative _____ Date

Name & Title (please print or type) _____ Name _____ Title

Telephone No. _____ Fax No. _____

[1] This form shall be signed by a "Responsible Official." "Responsible Official" means one of the following:

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

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

(ii) the delegation of authority to such representative is approved in advance by the Director;

b. For a partnership or sole proprietorship: a general partner or the proprietor, respectively;

c. For a municipality, State, Federal, or other public entity: either a principal executive officer or ranking elected official. For the purposes of this part, a principal executive officer of a Federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., a Regional Administrator of U.S. EPA); or

d. The designated representative delegated with such authority and approved in advance by the Director.

Id. No. 061-00205 Reg. R13-3291
Company MS Appalachia Gathering, LLC
Facility Coopers Run Station Region 6
Initials TEM

Martin, Thornton E

From: Tephabock, Brian S
Sent: Wednesday, February 24, 2016 1:12 PM
To: Martin, Thornton E
Subject: RE: Request for Site Inspection for New Construction (R13-3291)

You're very welcome

From: Martin, Thornton E
Sent: Wednesday, February 24, 2016 1:04 PM
To: Tephabock, Brian S
Subject: RE: Request for Site Inspection for New Construction (R13-3291)

Thanks Brian,

Very much appreciated !

Lee

From: Tephabock, Brian S
Sent: Wednesday, February 24, 2016 12:49 PM
To: Martin, Thornton E <Thornton.E.Martin@wv.gov>
Subject: RE: Request for Site Inspection for New Construction (R13-3291)

Hello,
All of the listed lat/long UTMs were somewhere on the pad. Here are correct UTMS that you can use: Zone 17S, Easting of 568124.09 m E, and Nothing of 4395194.10 m N. That also correlates to Lat 39.703886° and Long. -80.205344°

This is currently an undeveloped well pad. The access road will pass by a few homes, but the well pad is very remote and at least 1200 feet from any home.

Here are better directions to a better and current access road: From Charleston, WV: Merge onto I-79 N for approximately 154 miles. Take exit 155 toward WV-7/West Virginia University. Keep right on fork and follow signs for Star City/WVU/Osage and merge onto Chaplin Hill Road. Turn left onto US-19 N / WV-7 W. Turn left onto WV-7 E and drive for approximately 14.5miles to Blacksville. Turn left onto Rt. 218 and follow for approximately 2.2 miles and turn left onto access road which is directly across Rt. 218 from Jess Tennant Hill Road. Follow that access road for approximately 1.0 mile to well pad.

Overall, I would recommend this site location.

Let me know if you need any additional information,
Brian Tephabock

From: Martin, Thornton E
Sent: Wednesday, February 24, 2016 10:48 AM
To: Tephabock, Brian S
Subject: RE: Request for Site Inspection for New Construction (R13-3291)

Hi Brian,

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I notice the discrepancy that you are referring to within the application. Definitely need to get the LAT/LONG correct for our Notice of Intent to Approve. I'll enter the appropriate corresponding UTM coordinates once we have the correct LAT/LONG for the site. Let me know how it goes.

Thanks,

Lee

From: Tephabock, Brian S
Sent: Tuesday, February 23, 2016 11:53 AM
To: Martin, Thornton E <Thornton.E.Martin@wv.gov>
Subject: RE: Request for Site Inspection for New Construction (R13-3291)

One thing I've noticed is the listed location differences using between the Legal Ad, Application's listed location on page 6, and Application' page 12 and your engineering evaluation location. I think all are very closely located, but I just wanted to point it out.
Brian

From: Martin, Thornton E
Sent: Tuesday, February 23, 2016 11:12 AM
To: Tephabock, Brian S
Subject: FW: Request for Site Inspection for New Construction (R13-3291)

Brian,

I forgot to attach my evaluation thus far...the application should be on our website.

Thanks,

Lee

From: Martin, Thornton E
Sent: Tuesday, February 23, 2016 11:09 AM
To: Tephabock, Brian S (Brian.S.Tephabock@wv.gov) <Brian.S.Tephabock@wv.gov>
Subject: Request for Site Inspection for New Construction (R13-3291)

Hi Brian,

I have an application from M3 Appalachia Gathering, LLC (061-00205) for the construction of a Natural Gas Compressor Station (Coopers Run Station) in Blacksville, Monongalia County, WV. I was wondering if someone from your office would be able to perform a site inspection to determine nearest residence, if any construction has begun, whether any other NG facilities are adjacent to the property boundaries, etc. Any assistance is greatly appreciated!

Thanks,

Thornton E. Martin Jr.
Permit Engineer
Division of Air Quality
601 57th Street, SE
Charleston, WV 25304
Phone: 304-926-0499 X1212

Fax: 304-926-0479

Martin, Thornton E

From:	Martin, Thornton E
Sent:	Thursday, February 04, 2016 2:23 PM
To:	'j.roberts@m3midstream.com'; 'e.tennison@m3midstream.com'
Cc:	McKeone, Beverly D
Subject:	WV DAQ NSR Permit Application Complete for M3 Appalachia Gathering, LLC (Coopers Run Station)

RE: Application Status: Complete
M3 Appalachia Gathering, LLC (Coopers Run Station)
Permit Application R13-3291
Plant ID No. 061-00205

Mr. Roberts:

Your application for a Construction permit for a Natural Gas Compressor Station was received by this Division on January 05, 2016 and assigned to the writer for review. On January 08, 2016, the DAQ received a copy of the Affidavit of Publication and on January 14, 2106, the DAQ received the appropriate Application Fees. Upon review of said application and additional information received, it has been determined that the application is complete and, therefore, the statutory review period commenced on February 04, 2016.

In the case of this application, the agency believes it will take approximately 90 days to make a final permit determination.

This determination of completeness shall not relieve the permit applicant of the requirement to subsequently submit, in a timely manner, any additional or corrected information deemed necessary for a final permit determination.

Should you have any questions, please contact me at (304) 926-0499 ext.1212 or reply to this email.

Thornton E. Martin Jr.
Permit Engineer
Division of Air Quality
601 57th Street, SE
Charleston, WV 25304
Phone: 304-926-0499 X1212
Fax: 304-926-0479

dep

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Martin, Thornton E

From: Ward, Beth A
Sent: Thursday, January 14, 2016 5:04 PM
To: Martin, Thornton E
Subject: M3 Appalachia Gathering LLC Permit Application Fee

This is the receipt for payment received from:

M3 Application Gathering LLC, Coopers Run Station, CHECK NUMBER 27395, CHECK DATE 01/07/16, $2000.00
R13-3291 ID# 061-00205

OASIS Deposit CR 1600076577

Thank You!

Beth Ward
WV DEPARTMENT OF ENVIRONMENTAL PROTECTION
BTO FISCAL
601 57TH STREET SE
CHARLESTON, WV 25304
(304) 926-0499 EXT 1846
beth.a.ward@wv.gov

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Momentum
Momentum is Midstream

RECEIVED
JAN 14 2016
WV DEP / DIV OF AIR QUALITY

January 11th, 2015

West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street, SE
Charleston, WV 25304
Attn: Sandra Adkins

Re: Coopers Run Compressor Station- Rule 13 Permit Application ID No. 061-00205.

Please accept the revised check in the amount of $2000 for the Coopers Run Compressor Station - Rule 13 permit application. Please contact me with any questions at the information listed below. Thank you and enjoy your day.

Sincerely,

Eric Tennison
Environmental Health & Safety Manager
M3 Appalachia Gathering, LLC
742 Fairmont Road, Suite E
Westover, WV 26501
e.tennison@m3midstream.com
304-212-4403 ext. 5006 (office)
724-705-3816 (cell)

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Martin, Thornton E

From: Eric Tennison <E.Tennison@m3midstream.com>
Sent: Friday, January 08, 2016 12:13 PM
To: Martin, Thornton E
Subject: Affidavit from Legal Advertisement
Attachments: Coopers Compressor Affidavit.pdf

Id. No. 061-00205 Reg. R13-3291
Company M3 Appalachia Gathering, LLC
Facility Coopers Run Station Region 6
Initials JRM

Lee,
Please see the attached affidavit. Thank you and enjoy your day.

Thanks Again,
Eric Tennison
Environmental Health & Safety Manager
742 Fairmont Rd, Suite E
Westover, WV 26501
O 304-212-4403 ext 5006
C 724-705-3816
F 304-212-4366
e.tennison@m3midstream.com

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PUBLISHER'S CERTIFICATE

vs.

STATE OF WEST VIRGINIA
COUNTY OF MONONGALIA

I Eric Wilson Advertising Director of

THE DOMINION POST, a newspaper of general circulation

published in the City of Morgantown, County and State

aforesaid, do hereby certify that the annexed

Legal Notice

was published in the said THE DOMINION POST once a week

for 8 successive days commencing on the

30th day of Dec., 2015 and ending on the

6th day of Jan., 2016

The publisher's fee for said publication is $361.10

Given under my hand this 6th day of

January, 2016

(SEAL)

Advertising Director of THE DOMINION POST

Subscribed and sworn to before me this 6th

day of January, 2016

Notary Public of Monongalia County, W. Va.

My commission expires on the 13th day of

December 2019

Official Seal
Notary Public, State of West Virginia
Kelley V. Fellon
500 Mylan Park Lane
Morgantown WV 26501
My Commission Expires December 13, 2019

010081143 | December 30, 31 January 1, 2, 3, 4, 5, 6

AIR QUALITY PERMIT NOTICE
Notice of Application

Notice is given that M3 Appalachia Gathering, LLC has applied to the West Virginia Department of Environmental Protection, Division of Air Quality, for a Construction Permit Registration per the requirements of 45CSR13 (New Source Review Minor Air Emissions Source) for a Natural Gas Compressor Station located on Access Road off of WV-7E, near Blacksville, in Monongalia County, West Virginia. The latitude and longitude coordinates are: (Latitude: 39.703886; Longitude: 80.205344.) The applicant estimates the potential to discharge the following Regulated Air Pollutants will be:

Nitrogen Oxides (NOx) = 27.0 tons per year (tpy); Carbon Monoxide (CO) = 11.0 tpy; Volatile Organic Compounds (VOC) = 10.4 tpy; Sulfur Dioxide (SOx) = 0.1 tpy; Particulate Matter (PM10) = 0.01 tpy; Formaldehyde = 3.4 tpy; Hazardous Air Pollutants (HAPs) = 6.7 tpy; Carbon Dioxide Equivalents (CO2(eq)) = 23330 tpy.

Startup of operation is planned to begin on or about the first day of May, 2016. Written comments will be received by the West Virginia Department of Environmental Protection, Division of Air Quality, 601 57th Street, SE, Charleston, WV 25304, for at least 30 calendar days from the date of publication of this notice.

Any questions regarding this permit application should be directed to the DAQ at (304) 926- 0499, extension 1250, during normal business hours.

Dated this the 22nd day of December, 2015.
By: M3 Appalachia Gathering, LLC

James C. Roberts V.P. Environmental, Health, and Safety
742 Fairmont Road, Suite E
Westover, WV 26501

west virginia department of environmental protection

Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Telephone Number: (304) 926-0475
Fax Number: (304) 926-0479

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
dep.wv.gov

January 6, 2016

Mr. Eric Tennison
M3 Appalachia Gathering, LLC
742 Fairmont Road, Suite E
Westover, WV 26501

RE: M3 Appalachia Gathering, LLC
Coopers Run Station
ID No. 061-00205

Dear Mr. Tennison:

M3 Appalachia Gathering, LLC's check number 27356, dated December 28, 2015, in the amount of $3,500.00 is being returned as per our telephone conversation earlier today.

This check, received with the application package for the Coopers Run Station, is $1,500.00 over the application fee. I have also included a copy of the email explaining the application fees.

Should you have any questions, please contact me at 304-926-0499, extension 1250.

Sincerely,

Sandra Adkins

Sandra Adkins
Permitting

Enclosures

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Adkins, Sandra K

From:	Adkins, Sandra K
Sent:	Wednesday, January 06, 2016 10:57 AM
To:	'jroberts@m3midstream.com'; 'e.tennison@m3midstream.com'
Cc:	McKeone, Beverly D; Martin, Thornton E
Subject:	WV DAQ Application Status for M3 Appalachia Gathering, LLC; Coopers Run Station

RE: Application Status
M3 Appalachia Gathering, LLC
Coopers Run Station
Plant ID No. 061-00205
Application No. R13-3291

Mr. Roberts,

Your application for a construction permit for the Coopers Run Compressor Station was received by this Division on January 5, 2016, and was assigned to Lee Martin. The following item was not included in the initial application submittal:

Application fee AND/OR additional application fees:
**$1,000 Construction, Modification, Relocation or Temporary Permit*
**$1,000 NSPS*
(Due to $3,500.00 check being more than necessary, we will return via USPS to Mr. Eric Tennison at the Westover, West Virginia address)

This item is necessary for the assigned permit writer to continue the 30-day completeness review.

Within 30 days, you should receive a letter from Lee stating the status of the permit application and, if complete, given an estimated time frame for the agency's final action on the permit.

Any determination of completeness shall not relieve the permit applicant of the requirement to subsequently submit, in a timely manner, any additional or corrected information deemed necessary for a final permit decision.

Should you have any questions, please contact the assigned engineer, Lee Martin, at 304-926-0499, extension 1212.

Adkins, Sandra K

From: Adkins, Sandra K
Sent: Wednesday, January 06, 2016 11:00 AM
To: 'j.roberts@m3midstream.com'; 'e.tennison@m3midstream.com'
Cc: Martin, Thornton E
Subject: FW: WV DAQ Application Status for M3 Appalachia Gathering, LLC; Coopers Run Station

Email address was mistyped for Mr. Roberts in the original submittal. I apologize for the error.

From: Adkins, Sandra K
Sent: Wednesday, January 06, 2016 10:57 AM
To: 'jroberts@m3midstream.com' <jroberts@m3midstream.com>; 'e.tennison@m3midstream.com' <e.tennison@m3midstream.com>
Cc: McKeone, Beverly D <Beverly.D.Mckeone@wv.gov>; Martin, Thornton E <Thornton.E.Martin@wv.gov>
Subject: WV DAQ Application Status for M3 Appalachia Gathering, LLC; Coopers Run Station

RE: Application Status
M3 Appalachia Gathering, LLC
Coopers Run Station
Plant ID No. 061-00205
Application No. R13-3291

Mr. Roberts,

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**$1,000 Construction, Modification, Relocation or Temporary Permit*
**$1,000 NSPS*
(Due to $3,500.00 check being more than necessary, we will return via USPS to Mr. Eric Tennison at the Westover, West Virginia address)

This item is necessary for the assigned permit writer to continue the 30-day completeness review.

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Any determination of completeness shall not relieve the permit applicant of the requirement to subsequently submit, in a timely manner, any additional or corrected information deemed necessary for a final permit decision.

Should you have any questions, please contact the assigned engineer, Lee Martin, at 304-926-0499, extension 1212.

061-00205
R13-3291

New ID#
R13#

Construction
Lee

45CSR13 Administrative Update, Construction, Modification, Relocation, Temporary Permit or General Permit Registration Incomplete Application

A complete application is demonstrated when all of the information required below is properly prepared, completed and attached. The items listed below are required information which must be submitted with a 45CSR13 permit application. Any submittal will be considered incomplete if the required information is not included. The applicant must submit a complete application in order to receive a 45CSR13 permit.

☒ Class I legal advertisement not published in a newspaper certified to accept legal advertisements and original affidavit submitted.

☒ Application fee AND/OR additional application fees not included:

- ☐ $250 Class I General Permit
- ☐ $300 Class II Administrative Update
- ☒ $1,000 Construction, Modification, Relocation or Temporary Permit
- ☐ $500 Class II General Permit
- ☒ $1,000 NSPS
- ☐ $2,500 NESHAP
- ☐ $2,500 45CSR27 Pollutant
- ☐ $5,000 Major Modification
- ☐ $10,000 Major Construction

Return check And ask for $2,000

☐ Original and two (2) copies of the application not submitted.

☐ File organization – application pages are not numbered or in correct order, application is not bound in some way, etc.

☐ Confidential Business Information is not properly identified.

☐ General application forms not completed and signed by a responsible official.

☐ Authority of Corporation form not included – required if application is signed by someone other than a responsible official.

☐ Applicant is not registered with the West Virginia Secretary of State's Office.

☐ Copy of current Business Registration Certificate not included.

☐ Process description, including equipment and emission point identification numbers, not submitted.

☐ Process flow diagram, including equipment and emission point identification numbers, not submitted.

☐ Plot plan, including equipment and emission point identification numbers, not submitted.

☐ Applicable technical forms not completed and submitted:

- ☐ Emission Point Data Summary Sheets
- ☐ Air Pollution Control Device Sheets
- ☐ Emission Unit Data Sheets
- ☐ Equipment List Form

☐ Emission calculations not included – emission factors, references, source identification numbers, etc.

☐ Electronic submittal diskette not included.