10/12/16

west virginia department of environmental protection

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ENGINEERING EVALUATION / FACT SHEET

BACKGROUND INFORMATION

Application No.:	R13-2087F
Plant ID No.:	039-00049
Applicant:	Columbia Gas Transmission, LLC (Columbia Gas)
Facility Name:	Coco Compressor Station
Location:	Elkview, Kanawha County, WV
NAICS Code:	486210 - Pipeline Transfer of Natural Gas
Application Type:	Modification
Received Date:	July 25, 2016
Engineer Assigned:	John Legg
Fee Amount:	$3,500.00 ($1,000.00 for Rule 13 and $1,500.00 for 40CFR63, Subpart DDDDD)
Date Received:	July 27, 2016
Complete Date:	August 9, 2016 (original legal advertisement affidavit received)
Due Date:	November 9, 2016
Applicant Ad Date:	July 28, 2016
Newspaper:	*The Charleston Gazette*
UTM's:	Easting: 463.5 km Northing: 4,250.5 km Zone: 17
Latitude/Longitude:	38.401773 degrees N; -81,417764 E degrees
Description:	Replace line heater HTR3 with line heater HTR5: - Old line heater HTR3 is grandfathered and does not appear in permit R13-2087E. - New line heater HTR5 is detailed in Emission Units Table 1.0 and is subject to 40 CFR 63, Subpart DDDDD.

On July 25, 2016, Columbia Gas submitted permit modification R13-2087F. On July 27, 2016, the $3,500.00 application fee ($1,000.00 Rule 13 modification fee and $2,500.00 fee for 40CFR63, Subpart DDDDD) was paid and the writer was assigned as the reviewing engineer. On July 28, 2016, the company ran their legal ad in *The Charleston Gazette*. On August 9, 2016, the DAQ received the original affidavit of publication for the legal ad and the application was deemed complete.

R13-2087F modify's the facilities equipment to reflect the replacement of an existing line heater.

Table 1: Change in Coco Compressor Station's Potential To Emit Resulting from Permit Modification R13-2087F.								
Source		NOx	CO	VOC	SO_2	PM/ PM10/ PM2.5	CH_2O	Total HAP
Changes in PTE	lb/hr	+0.01	+0.01	0.00	0.01	0.00	0.00	0.00
	ton/yr	+0.05	+0.04	0.00	0.00	0.00	0.00	+0.001

PROCESS DESCRIPTION

Columbia's Coco Station is located in Kanawha County, West Virginia, near the town of Elkview. The station receives natural gas via pipeline from an upstream compressor station, compresses it using reciprocating internal combustion engines (RICE), and transmits it via pipeline to a downstream station. The station is covered by SIC code 4922, operates under permits R13-2087E and Title V Permit No. R13-03900049-2012, and has the potential to operate 7days per week, 24 hours per day. The station currently consists of:

- Seven (7) natural gas-fueled RICE engines:
    - five (5) 890-hp
    - one (1) 1,100-hp
    - one (1) 4,000-hp
- One (1) 1,175hp emergency natural gas-fueled generator:
- One (1) 4.2 MM Btu/hr natural gas-fueled boiler,
- Two (2) natural gas-fueled heaters (9.38 MM Btu/hr and 0.09 MM Btu/hr), and
- Numerous insignificant storage tanks of various sizes.

Table 2: Existing Station Potential Annual Emissions (TPY) Before R13-2087F.							
Source	NOx	CO	VOC	SO_2	PM/ PM10/ PM2.5	*CH_2O	Total HAP
Facility-Wide	925.37	71.02	44.13	0.29	17.22	19.26	27.85
* CH_2O is the chemical formula for formaldehyde.							

PROPOSED MODIFICATION

Columia Gas is proposing to modify the facility by making the following changes to operating equipment:

- Remove existing emission unit HTR3 from service.
  - This is a 0.09 MM Btu/hr natural gas-fired line heater, which is used to preheat the fuel gas going to the compressor engines.

- Install a new replacement heater as emission unit HTR5.
  - Emission unit HTR5 will consist of a 0.12 MM Btu/hr natural gas-fired line heater manufactured by OGI Process Equipment, Inc., Model no. TERI 125,

Table 3: R13-2087F Emission Units Table
(Changes High-lighted in Red)

Permitted Under & Comments	Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed/ Modified	Design Capacity	Control Device
R13-2087B	HTR2	H2	Heatec HCI-6010-40-G Regeneration Gas Heater	2005	9.38 MMBtu/hr	N/A
R13-2087E	008G3	G3	Waukesha VGF-P48GL Emergency Generator #3	2015	1,175 HP	None
(1)	~~HTR3~~	~~H3~~	~~Indirect NG-fired Line Heater BS&B~~	~~1999~~	~~0.09 MMBtu/hr~~	~~None~~
R13-2087F	HTR5	H5	Indirect NG-fired Line Heater . Manufacturer: OGI Process Equipment, Inc., Model No. TERI 125	2016	0.12 MMBtu/hr	None

(1) Not shown in permit R13-2087E.

Table 4: Information on New, 0.12 MM Btu/hr Indirect Natural Gas-fueled Line Heater (HTR5; H5).

Item	Value
Identificaion	HTR5 - Emission Unit ID H5 - Emission Point ID
Manufacturer	OGI Process Equipment, Inc.
Model	TERI 125
Number of units	1

Table 4: Information on New, 0.12 MM Btu/hr Indirect Natural Gas-fueled Line Heater (HTR5; H5).		
Item		**Value**
Use		NG Fuel Gas Line Heater
Date constructed		2016
Maximum design heat input per unit:		0.12 MM Btu/hr
Projected Operating Schedule		24 hr/day 7 day/wk 52 wk/yr
Type of firing equipment to be used:		Natural Gas Burner
Type of draft:		Induced
Stack or Vent Data	Inside diameter	0.55 ft
	Gas exit temperature	350 - 600 °F
	Height	8 ft
	Gas flow rate	33.4 ft^3/min
	Estimated % of moisture	20%
	Stack serves	This equipment only
Fuel Require-ments	Quantity	118 ft^3/hr 1.034 x 10^6 ft^3/yr
	Sulfur	0.25 gr/100 ft^3
	Btu Content	1,020 Btu/ft^3
	Source	Pipeline quality NG
	Supplier	Onsite - Columbia
Gas burner mode control:		Automatic on-off
Gas burner manufacturer:		Eclipse
Calculated theoretical air requirements for combustion of NG fuel		165.2 actual ft^3 of air @68°F; 14.7 psia; 0.1% moisture
Emission rates at rated capacity, no controls:		0.01 lb/hr CO; 0.00 lb/hr hydrocarbons; 0.01 lb/hr NOx; 0.00 lb/hr lead ; 0.00 lb/hr PM10 ; 0.01 lb/hr SO2 ; 0.00 lb/hr VOC
% excess air actually required for combustion of NG fuel		40%
Monitoring Plan		Opacity will be monitored via Method 22 to assure compliance in maintained in accordance with 45CSR2 - 10% visible emission requirements.

Table 4: Information on New, 0.12 MM Btu/hr Indirect Natural Gas-fueled Line Heater (HTR5; H5).	
Item	**Value**
Testing Plan	Required to conduct tune up testing of CO and NOx every 5 years in accordance with 40 CFR 63, subpart DDDDD. If visible emissions are detected with Method 22 and the cause of excess emissions is not corrected within 24 hours a Method 9 test shall be conducted to quantify the visible emissions and assess complaince with 45CSR2.
Recordkeeping	Records will be kept of any visible emission exceedances according to 45CSR2. Additionally, the tune up records will be maintained to show compliance with 40 CFR 63, Subpart DDDDD.
Reporting	Semiannual and annual compliance reports will be submitted in accordance with the facility's Title V permit.
Operating ranges and maintenance procedures required by Manufacturer to maintain warranty.	The flame arrestor air intake shall be inspected and cleaned at least once per year.

SITE INSPECTION

The writer did not visit the Coco Station for this modification application (R13-2087F). However, the facility is routinely inspected by DAQ Enforcement. On February 23, 2016, the most recent inspection, DAQ Enforcement Inspector Dan Bauerle inspected the facility, found no violations, and gave the facility the inspection code of 30 for in compliance.

Directions (per application, entry 12A, page 2 of 4):

- Located near Elkview, Kanawha County, WV. Traveling from the intersection of State Route 114 and secondary Route 49, proceed 3.4 miles and bear right on Route 49. Go 3.6 miles from the intersection of Routes 47 and 49 and turn left onto secondary County Route 7/1 (Coco Road). Travel approximately 1.5 miles. The station is located on the right side of the road.

UTM coordinates (per application, page 2 of 4, entry 12.E, F, and G):

Northing	4,250.5	KM
Easting	463.5	KM
Zone	17N	

Per Columbia Gas's legal advertisement, the latitude and longitude coordinates are:
38.401767 degrees North (latitude)
-81.417757 degrees East (longitude)

ESTIMATE OF EMISSIONS BY REVIEWING ENGINEER

Summarized below are the hourly and annual estimated emissions resulting from the installation of the new 0.12 MM Btu/hr natural gas-fired line heater (HTR5; H5) proposed under Permit Update R13-2087F for Columbia Gas's Coco Compressor Station, Elkview, Kanawha County, WV.

The writer reviewed Columbia Gas's emissions calculations given in Attachment N to the permit application and found the calculations to be logical and correct.

Table 5: Hourly and Annual Emissions Resulting from New 0.12 MM Btu/hr natural gas-fired line heater (HTR5; H5).

Pollutant	Emission Factors	Emissions		Source of Emission Factors
		(lb/hr)	(TPY)	
Criteria Pollutants				
$PM/PM_{10}/PM2.5$	7.6 lb/MMcf	[a] 0.00	[b] 0.00	AP-42, Chapter 1.4, Table 1.4-2, Emission Factors for Criteria Pollutants and Greenhouse Gases from Natural Gas Combustion, July 1998.
SO_2 (Hourly)	20 grains S/ 100 scf	[e] 0.01	-----	AP-42, Chapter 5.3, Section 5.3.1.
SO_2 (Annual)	0.25 grains S / 100 scf	-----	[f] 0.00	
NOx	100 lb/MMcf	[a] 0.01	[b] 0.05	AP-42, Chapter 1.4, Table 1.4-1, Emission Factors for Nitrogen Oxides (NOx) and Carbon Monoxide (CO) from Natural Gas Combustion, July 1998.
CO	84 lb/MMcf	[a] 0.01	[b] 0.04	
VOC	5.5 lb/MMcf	[a] 0.00	[b] 0.00	Same comment as for $PM/PM_{10}/PM2.5$ above.
Hazardous Air Pollutants (HAP)				
Formaldehyde	0.075 lb/MMcf	[a] 0.00	[b] 0.000	AP-42, Chapter 1.4, Table 1.4-3, Emission Factors for Speciated Organic Compounds from Natural Gas Combustion, July 1998.
Hexane	1.8 lb/MMcf	[a] 0.00	[b] 0.001	
Total HAP		0.00	0.001	Most of the HAP listed in the application are not shown above.

Table 5:	Hourly and Annual Emissions Resulting from New 0.12 MM Btu/hr natural gas-fired line heater (HTR5; H5).			
Pollutant	Emission Factors	Emissions		Source of Emission Factors
		(lb/hr)	(TPY)	

(a) Hourly emissions (lb/hr) = Emission Factor (lb/MMcf) * Fuel Use (MMcf/yr)/Annual hours of operation (hr/yr).

(b) Annual emissions (ton/yr) = Emission Factor (lb/MMcf) * Fuel Use (MMcf/yr * (1 ton/2000 lbs).

(e) Hourly Emissions SO_2 Calculation (lb/hr) = (20 grain S/100 ft^3) * Fuel throughput ($MMft^3$/yr) * (1,000,000 ft^3/1$MMft^3$)/annual hours of operation (hr/yr) * (1lb/7000 grains) *(lbmol S/32.06 lb S)*64.07 lb SO_2/lbmol SO_2)

(f) Annual Emissions SO_2 Calculation (ton/yr) = (0.25 grain S/100 ft^3) * Fuel throughput ($MMft^3$/yr) * (1,000,000 ft^3/1$MMft^3$) * (1lb/7000 grains) *(lbmol S/32.06 lb S)*(lbmol SO_2/lbmol S) *64.07 lb SO_2/lbmol SO_2)* (1 ton/2000 lbs).

Emission Inputs Table	
Fuel Use (MMBtu/hr) =	0.12
Number of Units =	1
Hours of Operation (hr/yr) =	8,760
MM Btu/MMcf =	1,020
PTE Fuel Use ($MMft^3$/yr) =	1.03

Table 6: Station Potential Annual Emission (TPY) After R13-2087F.

Source	NOx	CO	VOC	SO_2	PM_{10}/ $PM_{2.5}$	CH_2O	Total HAP
Facility-Wide (R13-2087E)	925.37	71.02	44.13	0.29	17.22	19.26	27.85
Changes in PTE (R13-2087F)	+0.05	+0.04	0.00	0.00	0.00	0.00	0.00
Facility-Wide (R13-2087F)	925.42	71.06	44.13	0.29	17.22	19.26	27.85

Table 7: Station Potential Hourly Emission (lb/hr) After R13-2087F.							
Source	**NOx**	**CO**	**VOC**	**SO_2**	**PM/ PM_{10}/ $PM_{2.5}$**	**CH_2O**	**Total HAP**
Facility-Wide (R13-2087E)	239.23	21.82	6.75	4.45	2.84	3.52	4.81
Changes in PTE	+0.01	+0.01	0.00	+0.01	0.00	0.00	0.00
Facility-Wide (R13-2087F)	239.24	21.83	6.75	4.46	2.84	3.52	4.81

REGULATORY APPLICABILITY

Columbia Gas's Coco Compressor Station is a major source for NOx estimated at 925.4 TPY and Hazardous Air Pollutants (HAPs): greater than 10 TPY for an individual HAP (formaldehyde estimated at 19.26 TPY) and greater than 25 TPY of aggregated HAPs (estimated at 27.9 TPY) under Title V and Prevention of Significant Deterioration (PSD) rules.

The new 0.12 MM Btu/hr natural gas-fueled Line Heater (HTR5; H5) was added to permit R13-2087F in new Section 8.0 (40CFR63 Subpart DDDDD).

Only the rules related to the changes made under this modification are discussed below. Please see the previous engineering evaluations for further discussion of the rules applicable to this facility.

45 CSR 13 "Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Administrative Updates, Temporary Permits, General Permits, Permission to Commence Construction, and Procedures for Evaluation"

Columbia's Coco Compressor Station is a stationary source under Rule 13, Section 2.24.a. Before this modification, the facility operated under construction permit R13-2087E.

Because the potential increase in emissions from the proposed modification do not exceed PSD significance levels, the modification is classified as a minor modification with respect to PSD and is subject to the permitting requirements of 45 CSR 13.

Potential Emissions from Proposed New Equipment (tpy).							
Source	**Operating Mode**	**Hr/Yr**	**NOx**	**CO**	**PM/ PM10/ PM2.5**	**VOC**	**SO2**
New NG-fired 0.12 MM Btu/hr Line Heater (HTR 5; H5)	Normal	8,760	+0.05	+0.04	0.00	0.00	0.00
	PSD Significance Level		40	100	15	40	40

Columbia Gas submitted a complete application, published a Class I legal advertisement to notify the public, and paid the appropriate permitting fees: $1,000.00 for Rule 13 review and $2,500.00 for 40 CFR 63, Subpart DDDDD review.

45CSR30 "Requirements for Operating Permits"

The facility is a Title V source, operating under Title V Permit No. R30-03900049-2012. Columbia's application package contained Attachment S, "Title V Permit Revision Information" which will enable the DAQ to modify the station's Title V permit to reflect the changes proposed in R13-2087F.

45 CSR 34 "Emission Standards for Hazardous Air Pollutants for Source Categories Pursuant to 40 CFR, Part 63"

This rule establishes and adopts a program of national emission standards for hazardous air pollutants (NESHAPS) and other regulatory requirements promulgated by the United States Environmental Protection Agency pursuant to 40 CFR Parts 61, 63 and section 112 of the federal Clean Air Act, as amended (CAA). This rule codifies general procedures and criteria to implement emission standards for stationary sources that emit (or have the potential to emit) one or more of the eight substances listed as hazardous air pollutants in 40 CFR §61.01(a), or one or more of the substances listed as hazardous air pollutants in section 112(b) of the CAA. The Secretary hereby adopts these standards by reference. The Secretary also adopts associated reference methods, performance specifications and other test methods which are appended to these standards.

40CFR63,
Subpart DDDDD "National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters"

Subpart ZZZZ establishes national emission limitations and operating limitations for HAPs emitted from stationary RICE located at major and area sources of HAP emissions. The subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations.

Columbia's Coco Station is classified as a major source of HAP emissions (individual HAP with potential emissions greater than 10 ton/yr; aggregated HAP with potential emissions greater than 25 ton/yr) and will remain so after this modification.

Emission Unit HTR5 is a new process heater rated at 0.12 MMBtu/hr. The unit is a natural gas-fired unit subject to Subpart DDDDD, since it is located at a major source of HAPs.

In accordance with 40 CFR 63.7500(a)(1) and thus Table 3, the new process heater is required to conduct tune up evaluations of the burner once every 5 years to assure complete combustion is being maintained.

Additionally, according to 40 CFR 63.7510(g), new affected sources must demonstrate initial compliance with the applicable work practice standars in Table 3 to 40 CFR 63, Subpart DDDDD with the 5-year schedule as specified in 40 CFR§63.7495(a). Thereafter, the permittee is required to complete the applicable 5-year tune-up as specified in 40 CFR§63.7515(d).

TOXICITY OF NON-CRITERIA REGULATED POLLUTANTS

Various non-criteria regulated pollutants are emitted from the combustion of natural gas. Columbia Gas's Coco Compressor station is an existing major source of HAPs. The increases in HAP emissions proposed under this modification, however, are estimated to be zero: 0.00 TPY formaldehyde; +0.001 Hexane; and +0.001 TPY aggregated HAPs.

AIR QUALITY IMPACT ANALYSIS

Emissions resulting from this modification are estimated to decrease or increase only slightly. For that reason no air modeling study was conducted for the source.

Source	Annual Emissions Changes (TPY)						
	NOx	CO	VOC	SO_2	$PM/PM_{10}/PM_{2.5}$	CH_2O	Total HAP
Annual Emissions Changes Resulting from Implementing Permit Modification R13-2087F	+0.05	+0.04	0.00	0.00	0.00	0.00	+0.001

MONITORING, TESTING, RECORDKEEPING AND REPORTING REQUIREMENTS

8.2. Monitoring Requirements

8.2.1. *Reserved.*

8.3. Testing Requirements

8.3.1. If you are required to meet an applicable tune-up work practice standard, you must conduct a 5-year performance tune-up according to §63.7540(a)(12), respectively. Each 5-year tune-up specified in §63.7540(a)(12) must be conducted no more than 61 months after the previous tune-up. For a new or reconstructed affected source (as defined in §63.7490), the 5-year tune-up must be no later than 61 months after April 1, 2013 or the initial startup of the new or reconstructed affected source, whichever is later.
[45CSR34; 40 CFR§63.7515(d)]

8.4. Recordkeeping Requirements

8.4.1. The permittee must keep a copy of each notification and report submitted to comply with 40 C.F.R. 63, Supart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that you submitted, according to the requirements in 40CFR63.10(b)(2)(xiv).
[45CSR34; 40 CFR§63.7555(a)(1)]

8.4.2. The permittee shall main records as follows:

a. Records must be in a form suitable and readily available for expeditious review, according to 40CFR63.10(b)(1).

b. As specified in 40 CFR 63.10(b)(1), the permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action,

report, or record.

c. The permittee must keep each record on site, or they must be accessible from on site (for example, through a computer network), for a least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40CFR63.10(b)(1). The permittee may keep the records off site for the remaining 3 years.
[45CSR34; 40 CFR§63.7560]

8.5. Reporting Requirements

8.5.1. As specified in §63.9(b)(4) and (5), if you startup your new or reconstructed affected source on or after January 31, 2013, you must submit an Initial Notification no later than 15 days after the actual date of startup of the affected source.
[40 CFR§63.7545(c)]

8.5.2. If you are not required to conduct an initial compliance demonstration as specified in §63.7530(a), the Notification of Compliance Status must only contain the information specified in paragraphs (e)(1) and (8) of this section and must be submitted within 60 days of the compliance date specified at §63.7495(b).

(e) (1) A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with this subpart, description of the fuel(s) burned, including whether the fuel(s) were a secondary material determined by you or the EPA through a petition process to be a non-waste under §241.3 of this chapter, whether the fuel(s) were a secondary material processed from discarded non-hazardous secondary materials within the meaning of §241.3 of this chapter, and justification for the selection of fuel(s) burned during the compliance demonstration.

(e) (8) In addition to the information required in §63.9(h)(2), your notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

(i) "This facility completed the required initial tune-up for all of the boilers and process heaters covered by 40 CFR part 63 subpart DDDDD at this site according to the procedures in §63.7540(a)(10)(i) through (vi)."

(ii) "This facility has had an energy assessment performed according to §63.7530(e)."

(iii) Except for units that burn only natural gas, refinery gas, or other gas 1 fuel, or units that qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act, include the following: "No secondary materials that are solid waste were combusted in any affected unit."

[40 CFR§§63.7545(e)(1) & (8)]

8.5.3. (b) For units that are subject only to a requirement to conduct subsequent 5-year tune-up according to §63.7540(a)(12) and not subject to emission limits or Table 4 operating limits, you may submit only a 5-year compliance report as specified in paragraphs (b)(1) through (4) of this section, instead of a semi-annual compliance report.

(5) For each affected source that is subject to permitting regulations pursuant to part 70 or part 71 of this chapter, and if the permitting authority has established dates for submitting semiannual reports pursuant to 70.6(a)(3)(iii)(A) or 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established in the permit instead of according to the dates in paragraphs (b)(1) through (4) of this section.

[40 CFR§63.7550(b)(5)]

8.5.4. (c) A compliance report must contain the following information depending on how the facility chooses to comply with the limits set in this rule.

(1) If the facility is subject to the requirements of a tune up you must submit a compliance report with the information in paragraphs(c)(5)(i) through (iii), (xiv) and (xvii) of this section as follows:

(5) (i) Company and Facility name and address.

(ii) Process unit information, emissions limitations, and operating parameter limitations.

(iii) Date of report and beginning and ending dates of the reporting period.

(xiv) Include the date of the most recent tune-up. Include the date of the most recent burner inspection if it was not done on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.

(xviii) For each instance of startup or shutdown include the information required to be monitored, collected or recorded according to the requirements of §63.7555(d).

[40 CFR§63.7550 (c)]

CHANGES TO PERMIT

The changes made to permit R13-2087E to arrive at permit R13-2087F are detailed in RED in the compare file which can be found in Attachment A to this evaluation.

RECOMMENDATION TO DIRECTOR

Columbia Gas's request for a modification permit to add one (1) 0.012 MM Btu/hr natural gas-fueled line heater at their Coco Compressor Station located near Elkview, Kanawha County, WV meets the requirements of all applicable rules and therefore should be granted said modification permit (R13-2087F).

John Legg

John Legg, Permit Writer

10/12/16

October 12, 2016

WordPerfect Document Compare Summary

Original document: Q:\AIR_QUALITY\J_LEGG\Columbia Gas Transmission Corporation\2087F\039-00049_PERM_13-2087E.wpd
Revised document: Q:\AIR_QUALITY\J_LEGG\Columbia Gas Transmission Corporation\2087F\039-00049_PERM_13-2087F.wpd
Deletions are shown with the following attributes and color:
~~Strikeout~~, Blue RGB(0,0,255).
Deleted text is shown as full text.
Insertions are shown with the following attributes and color:
Double Underline, Redline, Red RGB(255,0,0).

The document was marked with 72 Deletions, 65 Insertions, 0 Moves.

West Virginia Department of Environmental Protection
Division of Air Quality

Earl Ray Tomblin
Governor

Randy C. Huffman
Cabinet Secretary

Permit to Modify

R13-2087F

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 facility listed below is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.

Issued to:

Columbia Gas Transmission, LLC
Coco Compressor Station
039-00049

William F. Durham
Director

Issued: Draft

This permit will supercede and replace Permit R13-2087E approved on June 16, 2015.

Facility Location: Elkview, Kanawha County, West Virginia

Mailing Address: 7 Coco Road, Elkview, WV 25071

Facility Description: Natural gas compressor station.

SIC Code: 4922

NAICS Code: 486210

UTM Coordinates: 463.5 km Easting • 4250.5 km Northing • Zone 17

Lat/Long Coordinates:

Latitude: 38.401773; Longitude: - 81.417764

Permit Type: Modification

Description of Change:

Replace line heater HTR3 with line heater HTR5:

- Old line heater HTR3 is grandfathered and does not appear in permit R13-2087E.
- New line heater HTR5 is detailed in Emission Units Table 1.0 and is subject to 40 CFR 63, Subpart DDDDD.

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 subject to 45CSR30. The permittee has the duty to update the facility's Title V (45CSR30) permit application to reflect the changes permitted herein.

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1.0 Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
HTR2	H2	Heatec HCI-6010-40-G Regeneration Gas Heater	2005	9.38 MMBtu/hr	N/A
HTR5	H5	Indirect ~~NG Line Heater~~ Natural Gas-fired (Subcategory: gas 1), Line Heater Manufacturer: OGI Process Equipment, Inc.; Model No: TERI 125	2016	0.12 MM Btu/hr	None
008G3	G3	Waukesha VGF-P48GL Emergency Generator #3	2015	1,175 HP	None

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

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 supercedes and replaces previously issued Permit R13-2087~~D~~E. 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 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 Application R13-2087, R13-2087A, R13-2087B, R13-2087C, R13-2087D, R13-2087E, R13-2087F 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 13-10.3]**

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 to this permit as defined in and according to the procedures specified in 45CSR14 or 45CSR19, as appropriate.
[45CSR§14-7 or 45CSR§19-14]

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 not 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 emission, 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§15]

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 45 C.S.R. 11.
[45CSR§11-5.2.]

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)(~~15~~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, SE
Charleston, WV 25304-2345

If to the USEPA:

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 45CSR30 – Operating Permit Program, the permittee shall submit a Certified Emissions Statement (CES) and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

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 (Regeneration Gas ~~& Line~~ Heaters: HTR2 ~~and HTR4~~)

4.1. Limitations and Standards

4.1.1. As the annual emission limits given in Table 4.1.2. are based on operating 8,760 hr/yr at a maximum design heat input capacity of 9.38 MM Btu/hr, there is no limit on the annual hours of operation or fuel usage for the Regeneration Gas Heater (HTR2; H2).

4.1.~~1~~2. Maximum air pollutant emission rates from the ~~listed emission point I.D.'s~~Regeneration Gas Heater (HTR2) shall not exceed the following limits:

Table 4.1.2.: Regeneration Gas Heater (HTR2) Maximum Emission Rates.

Emission Point ID	Equipment Description	Pollutant	Maximum Emission Rates	
			(lb/hr)	(tons/yr)(1)
H2	9.38 MMBtu/hr Regeneration Gas Heater (HTR2)	NO_X	1.13	4.95
		CO	0.35	1.53
		VOC	0.05	0.22
		SO_x	0.53	0.03
		PM_{10}	0.02	0.09

(1) Based on 8,760 hr/yr of operation.

4.~~1.2. The 9.38 MM Btu/hr regeneration gas heater (HTR2) shall consume no more than 9,196 scf of natural gas per hour or 8.06 x 10^7 scf of natural gas per year.~~

~~4.~~1.3. *[Reserved]*

4.1.4. *[Reserved]*

4..15. *[Reserved]*

4.1.6. *[Reserved]*

4.1.7. The pertinent sections of 45CSR2 applicable to this facility include, but are not limited to, the following:

§45-2-3.1.
No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any fuel burning unit which is greater than (10) percent opacity based on a six minute block average.

§45-2-7.1.
No person shall construct, modify or relocate any fuel burning unit without first obtain a permit in accordance with the provisions of W.Va. Code §22-5-1 et seq., and Series 13, 14, 19 and 30 of Title 45.

4.1.8. The pertinent sections of 45CSR13 applicable to this facility include, but are not limited to, the following:

§45-13-6.1
At the time a stationary source is alleged to be in compliance with an applicable emission standard and at reasonable times to be determined by the Secretary thereafter, appropriate tests consisting of visual determinations or conventional in-stack measurements or such other tests the Secretary may specify shall be conducted to determine compliance.

§45-13-10.2
The Secretary may suspend or revoke a permit if, after six (6) months from the date of issuance, the holder of the permit cannot provide the Secretary, at the Secretary's request, with written proof of a good faith effort that construction, modification, or relocation, if applicable, has commenced. Such proof shall be provided not later than thirty (30) days after the Secretary's request. If construction or modification of a stationary source is discontinued for a period of eighteen (18) months or longer, the Secretary may suspend or revoke the permit.

§45-13-10.3
The Secretary may suspend or revoke a permit or general permit registration if the plans and specifications upon which the approval was based or the conditions established in the permit are not adhered to. Upon notice of the Secretary's intent to suspend, modify or revoke a permit, the permit holder may request a conference with the Secretary in accordance with the provisions of W.Va Code § 22-5-5 to show cause why the permit or general permit should not be suspended, modified or revoked.

4.2. Testing Requirements

4.2.1. Upon request, tests to determine compliance with the emission limitations set forth in this permit shall be conducted in accordance with the methods as set forth below. The Secretary may require a different test method or approve an alternative method in light of any technology advancements that may occur. Compliance testing shall be conducted at, or near, 100% of the peak load. The permittee may request an alternative test procedure with a written submittal (protocol) to the Secretary.

a. Tests to determine compliance with PM emission limits shall be conducted in accordance with Method 5, 5A, 5B, 5C, 5D, 5E, 5F, 5G, or 5H as set forth in 40 CFR 60, Appendix A.

b. Tests to determine compliance with SO2 emission limits shall be conducted in accordance with Method 6, 6A, 6B, or 6C as set forth in 40 CFR 60, Appendix A.

c. Tests to determine compliance with CO emission limits shall be conducted in accordance with Method 10, 10A, or 10B as set forth in 40 CFR 60, Appendix A.

d. Tests to determine compliance with NOx emission limits shall be conducted in accordance with Method 7, 7A, 7B, 7C, 7D, or 7E as set forth in 40 CFR 60, Appendix A.

e. Tests to determine compliance with VOC emission limits shall be conducted in accordance with Method 25, or 25A as set forth in 40 CFR 60, Appendix A.

f. Tests to determine compliance with Opacity of emissions shall be conducted in accordance with Method 9 as set forth in 40 CFR 60, Appendix A.

4.2.2. With regard to the emissions testing required by the WV Division of Environmental Protection, Division of Air Quality (DAQ), the permittee shall submit to the Secretary of the DAQ a test protocol detailing the proposed test methods, date, and time testing is to take place, testing locations, and any other relevant information. The test protocol must be received by the Secretary no less than thirty (30) days prior to the date the testing is to take place. The Secretary shall be notified at least fifteen (15) days in advance of the actual dates and times during which the tests will be conducted. The results of emissions testing shall be submitted to the DAQ within thirty (30) days of completion of testing.

4.3. Recordkeeping Requirements

4.3.1. **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.

4.3.2. ~~For the purposes of determining compliance with the maximum fuel usage limit set forth in Source Specific Requirements 4.1.2. and 4.1.3., the permittee shall maintain accurate records of the hours of operation and the amount of natural gas consumed by the 9.38 MM Btu/hr regeneration gas heater (HTR2) and the 38 MMBtu/hr direct-fired line heater (HTR4). Said records shall be maintained on site for a period of five (5) years. Said records shall be made available to the Secretary of the Division of Air Quality or his/her duly authorized representative upon request and shall be certified by a responsible official upon the submittal. 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. When 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.~~

[Reserved]

5.0. Source-Specific Requirements (Emergency Generator Engine: 008G3)

5.1. Limitations and Standards

5.1.1. ~~The two (2) emergency generators/reciprocating engines listed below are to be disconnected and retired from service before the new~~*[Reserved]*

5.1.2. The authorized emergency generator/engine~~: Waukesha VGF-P48GL (~~ (008G3; G3) ~~can~~shall be ~~put into service.~~

the make, model, and size as specified under Emission Unit ~~IDEmission Point IDEmission Unit DescriptionYear InstalledDesign CapacityControl Device008G1G1Reciprocating Engine/Generator; Ingersoll-Rand PVG-6; 4-cycle, rich burn; emergency1951275 hpNone008G2G2Reciprocating Engine/Generator;
Ingersoll-Rand PVG-6; 4-cycle, rich burn; emergency1951306 hpNone~~

~~5.1.2. The quantity of~~s Table 1.0, shall only be fired by pipeline-quality natural gas ~~that shall be consumed by the new emergency generator/engine: Waukesha VGF-P48GL (G3) shall not exceed 8,908 scf/hr or 4.46 x 10^6 scf/yr (based on a heat content for natural gas of 1,020 Btu/scf and based on operating the generator/engine a maximum of 500 hr/yr~~, and shall not operate in excess of 500 hours per year (during periods of non-emergencies).

5.1.3. Maximum emissions from the new emergency generator/engine: Waukesha VGF-P48GL (G3) shall not exceed the following limits:

Table 5.1.3: Emission Limits for Emergency Generator Engine (G3).

Pollutant	Maximum Hourly Emissions (lb/hr)	(1)Maximum Annual Emissions (ton/year)
Nitrogen Oxides (NOx)	5.18	1.30
Carbon Monoxide (CO)	3.37	0.84
Volatile Organic Compounds (VOC)	0.10	0.03

(1) Based on a maximum of 500 hr/yr of operation.

5.2. Monitoring Requirements

5.2.1. ~~T~~For the purposes of demonstrating compliance with the maximum hours of operation limit set forth in 5.1.2, the permittee shall ~~monitor the amount of natural gas consumed by the new~~maintain monthly and rolling twelve month records of the hours of operation of the emergency generator/engine (G3) ~~on a monthly and yearly basis~~.

5.3. Testing Requirements

5.3.1. ~~See Facility-Wide Testing Requirements, Section 3.3.~~*[Reserved]*

5.4. Recordkeeping Requirements

5.2.1. To demonstrate compliance with Section 5.1, the permittee shall maintain records of the ~~amount of natural gas consumed, the~~ hours of operation, and the maintenance work performed on the ~~new~~ emergency ~~generator/ engine~~generator/engine (G3).

5.3. Reporting Requirements

5.3.1. ~~See Facility-Wide Reporting Requirements, Section 3.5.~~ *[Reserved]*

6.0. Source-Specific Requirements (40CFR60 Subpart JJJJ, Emergency Generator Engine: 008G3)

6.1. Limitations and Standards

6.1.1. The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) as specified in paragraphs (a)(1) through (6) of this section. 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 commenced construction after June 12, 2006, where the stationary SI ICE are manufactured:

2. On or after January 1, 2008, for lean burn engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP; **[40CFR§60.4230(a)(4)(ii)]**

6.1.2. 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.

Table 6.1.2: Emission Standards for Emergency Generator Engine 008G3.

Equipment ID No.	Engine type and fuel	Maximum engine power	Manufacture date	Emission standards[a]					
				g/HP-hr			ppmvd at 15% O_2		
				NOx	CO	VOC[d]	NOx	CO	VOC
008G3	Emergency	HP>130		2.0	4.0	1.0	160	540	86

a. Owners and operators of stationary non-certified SI engines may choose to comply with the emission standards in units of either g/HP-hr or ppmvd at 15 percent O_2.
d. For purposes of this subpart, when calculating emissions of volatile organic compounds, emission of formaldehyde should not be included.

[40CFR§60.4233(e)]

6.1.3. 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]**

6.2. Monitoring Requirements

6.2.1. Starting on July 1, 2010, if the emergency stationary SI internal combustion engine that is greater than or equal to 500 HP that was built on or after July 1, 2010, does not meet the standards applicable to non-emergency engines, the owner or operator must install a non-resettable hour meter.
[40CFR§60.4237(a)]

6.3. Other Requirements

6.3.1. 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)]**

6.3.2. 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)]**

6.4. Compliance Requirements

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.

(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.

2. (ii) 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)(2) (ii)]

6.4.2. 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 lime 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 use 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 toward 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 owner 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)]**

6.4.3. 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)]**

6.5. Testing Requirements

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.

(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 startup the engine solely to conduct a performance test; however, you must conduct the performance test immediately upon startup of the engine.

(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.

(d) To determine compliance with the NOX mass per unit output emission limitation, convert the concentration of NOX 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 NOX in g/HP-hr.
Cd = Measured NOX concentration in parts per million by volume (ppmv).
1.912×10^{-3} = Conversion constant for ppm NOX 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).

(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:

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

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

(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:

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

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

(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:
RFi = Response factor of compound i when measured with EPA Method 25A.
CMi = Measured concentration of compound i in ppmv as carbon.
CAi = True concentration of compound i in ppmv as carbon.

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

Where:
Cicorr = Concentration of compound i corrected to the value that would have been measured by EPA Method 25A, ppmv as carbon.
Cimeas = Concentration of compound i measured by EPA Method 320, ppmv as carbon.

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

Where:

CPeq = Concentration of compound i in mg of propane equivalent per DSCM.

[40CFR§60.4244]

6.6. Notification, Reports, and Records

6.6.1. 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, 1048, 1054, and 1060, as applicable.

(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)]

6.6.2. 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)]

6.6.2. **Engine Not Certified.** 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)~~©]

6.6.3. 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)]

6.7. General Provisions (40 CFR part 60)

6.7.1. Table 3 of 40CFR60, Subpart JJJJ shows which parts of the General Provisions in §60.1 through §60.19 apply to the permittee. **[40CFR§60.4246]**

7.0. Source-Specific Requirements (40CFR63, Subpart ZZZZ, Emergency Generator Engine: 008G3)

7.1. Limitations and Standards: No requirements.

7.2. Other Requirements: No requirements.

7.3. Continuous Compliance Requirements

7.3.1. *Requirements for emergency stationary RICE.*

(1) If you own or operate a new or reconstructed emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that was installed on or after June 12, 2006, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1)(i) through (iii) of this section. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (iii) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f) (1) (i) through (iii) of this section, the engine will not be considered an emergency engine under this subpart and will need to meet all requirements for non-emergency engines.

(i) There is no time limit on the use of emergency stationary RICE in emergency situations.

(ii) You may operate your emergency stationary RICE 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. 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 RICE beyond 100 hours per year.

(iii) You may operate your emergency stationary RICE up to 50 hours per year in non-emergency situations, but those 50 hours are counted toward 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; except that owners and operators may operate the emergency engine for a maximum of 15 hours per year as part of a demand response program if the regional transmission organization or equivalent balancing authority and transmission operator has determined there are emergency conditions that could lead to a potential electrical blackout, such as unusually low frequency, equipment overload, capacity or energy deficiency, or unacceptable voltage level. The engine may not be operated for more than 30 minutes prior to the time when

the emergency condition is expected to occur, and the engine operation must be terminated immediately after the facility is notified that the emergency condition is no longer imminent. The 15 hours per year of demand response operation are counted as part of the 50 hours of operation per year provided for non-emergency situations. The supply of emergency power to another entity or entities pursuant to financial arrangement is not limited by this paragraph (f) (1) (iii), as long as the power provided by the financial arrangement is limited to emergency power.

[40CFR§63.6645(f)]

7.4. Testing Requirements: No requirements.

7.5. Notifications, Reporsts, and Records

7.5.1. If you are required to submit an Initial Notification but are otherwise not affected by the requirements of this subpart, in accordance with §63.6590(b), your notification should include the information in §63.9(b)(2)(i) through (v), and a statement that your stationary RICE has no additional requirements and explain the basis of the exclusion (for example, that it operates exclusively as an emergency stationary RICE if it has a site rating of more than 500 brake HP located at a major source of HAP emissions).

[40CFR§63.6645(f)]

7.6. General Provisions (40 CFR part 63)

7.6.1. No general provisions apply, except as specified in 63.6645(f) (see Notification Requirements above).

8.0 Source-Specific Requirements [40 CFR63 Subpart DDDDD, Line Heater: HTR5)]

8.1. Limitations and Standards

8.1.1. Line Heater (HTR5; H5) shall replace Line Heater (HTR3; H3). Line Heater (HTR3; H3) shall be removed from service.

8.1.2. Line Heater (HTR5; H5) shall burn only natural gas (fuel subcategory: gas 1).

8.1.3. As the annual emission limits given in Table 8.1.4. are based on operating 8,760 hr/yr at a maximum design heat input capacity of 0.12MM Btu/hr, there is no limit on the annual hours of operation or fuel usage for Line Heater (HTR5; H5).

8.1.4. The maximum combustion exhaust emissions from Line Heater (HTR5; H5) shall not exceed the limits given in the following table:

Table 8.1.4.: Line Heater (HTR5; H5) Emission Limits.

Pollutant	Hourly (lb/hr)	Annual (lb/yr)
CO	0.01	0.04
NOx	0.01	0.05

8.1.5. **45CSR2**

No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any fuel burning unit which is greater than ten (10) percent opacity based on a six minute block average.

[45CFR§2-3.1]

8.1.6. **40 CFR 63, Subpart DDDDD**

Boilers and process heaters in the units designed to burn gas 1 fuels subcategory with a heat input capacity of less than or equal to 5 million Btu per hour must complete a tune-up every 5 years as specified in §63.7540. Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Table1 and 2 or 11 through 13 to this subpart, or the operating limits in Table 4 to this subpart.

[45CSR34; 40CFR§63.7500(e)]

8.1.7. **Tune-up**

(a)(10) (i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may

delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NO_X requirement to which the unit is subject;

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, a report containing the following information:

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

(B) A description of any corrective actions taken as a part of the tune-up; and

(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

[45CSR34; 40 CFR§63.7540(a)(10)]

8.1.8. If the permittee's boiler or process heater has a heat input capacity of less than or equal to 5 million Btu per hour and the unit is in the units designed to burn gas 1, the permittee must conduct a tune-up of the boiler or process heater every 5 years as specified in condition 8.1.7. to demonstrate continuous compliance. The permittee may delay the burner inspection specified in condition 6.1.4. (a) (10) (i) until the next

scheduled or unscheduled unit shutdown, but the permittee must inspect each burner at least once every 72 months.

[45CSR34; 40 CFR§63.7540(a)(12)]

8.1.8. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

[45CSR34; 40 CFR§63.7540(a)(13)]

8.2. Monitoring Requirements

8.2.1. *Reserved.*

8.3. Testing Requirements

8.3.1. If you are required to meet an applicable tune-up work practice standard, you must conduct a 5-year performance tune-up according to §63.7540(a)(12), respectively. Each 5-year tune-up specified in §63.7540(a)(12) must be conducted no more than 61 months after the previous tune-up. For a new or reconstructed affected source (as defined in §63.7490), the 5-year tune-up must be no later than 61 months after April 1, 2013 or the initial startup of the new or reconstructed affected source, whichever is later.

[45CSR34; 40 CFR§63.7515(d)]

8.4. Recordkeeping Requirements

8.4.1. The permittee must keep a copy of each notification and report submitted to comply with 40 C.F.R. 63, Supart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that you submitted, according to the requirements in 40CFR63.10(b)(2)(xiv).

[45CSR34; 40 CFR§63.7555(a)(1)]

8.4.2. The permittee shall main records as follows:

a. Records must be in a form suitable and readily available for expeditious review, according to 40CFR63.10(b)(1).

b. As specified in 40 CFR 63.10(b)(1), the permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

c. The permittee must keep each record on site, or they must be accessible from on site (for example, through a computer network), for a least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40CFR63.10(b)(1). The permittee may keep the records off site for the remaining 3 years.

[45CSR34; 40 CFR§63.7560]

8.5. Reporting Requirements

8.5.1. As specified in §63.9(b)(4) and (5), if you startup your new or reconstructed affected source on or after January 31, 2013, you must submit an Initial Notification no later than 15 days after the actual date of startup of the affected source.

[40 CFR§63.7545(c)]

8.5.2. If you are not required to conduct an initial compliance demonstration as specified in §63.7530(a), the Notification of Compliance Status must only contain the information specified in paragraphs (e)(1) and (8) of this section and must be submitted within 60 days of the compliance date specified at §63.7495(b).

(e) (1) A description of the affected unit(s) including identification of which subcategories the unit is in, the design heat input capacity of the unit, a description of the add-on controls used on the unit to comply with this subpart, description of the fuel(s) burned, including whether the fuel(s) were a secondary material determined by you or the EPA through a petition process to be a non-waste under §241.3 of this chapter, whether the fuel(s) were a secondary material processed from discarded non-hazardous secondary materials within the meaning of §241.3 of this chapter, and justification for the selection of fuel(s) burned during the compliance demonstration.

(e) (8) In addition to the information required in §63.9(h)(2), your notification of compliance status must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

(i) "This facility completed the required initial tune-up for all of the boilers and process heaters covered by 40 CFR part 63 subpart DDDDD at this site according to the procedures in §63.7540(a)(10)(i) through (vi)."

(ii) "This facility has had an energy assessment performed according to §63.7530(e)."

(iii) Except for units that burn only natural gas, refinery gas, or other gas 1 fuel, or units that qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act, include the following: "No secondary materials that are solid waste were combusted in any affected unit."

[40 CFR§§63.7545(e)(1) & (8)]

8.5.3. (b) For units that are subject only to a requirement to conduct subsequent 5-year tune-up according to §63.7540(a)(12) and not subject to emission limits or Table 4 operating limits, you may submit only a 5-year compliance report as specified in paragraphs (b)(1) through (4) of this section, instead of a semi-annual compliance report.

(5) For each affected source that is subject to permitting regulations pursuant to part 70 or part 71 of this chapter, and if the permitting authority has established dates for submitting semiannual reports pursuant to 70.6(a)(3)(iii)(A) or 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports

according to the dates the permitting authority has established in the permit instead of according to the dates in paragraphs (b)(1) through (4) of this section.

[40 CFR§63.7550(b)(5)]

8.5.4. (c) A compliance report must contain the following information depending on how the facility chooses to comply with the limits set in this rule.

(1) If the facility is subject to the requirements of a tune up you must submit a compliance report with the information in paragraphs(c)(5)(i) through (iii), (xiv) and (xvii) of this section as follows:

(5) (i) Company and Facility name and address.

(ii) Process unit information, emissions limitations, and operating parameter limitations.

(iii) Date of report and beginning and ending dates of the reporting period.

(xiv) Include the date of the most recent tune-up. Include the date of the most recent burner inspection if it was not done on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.

(xviii) For each instance of startup or shutdown include the information required to be monitored, collected or recorded according to the requirements of §63.7555(d).

[40 CFR§63.7550 (c)]

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

Telephone No._____ Fax No. _____

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[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~~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 Secretary;

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 USEPA); or

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