

DRAFT

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY AIR QUALITY DIVISION

MEMORANDUM

March 20, 2017

TO: Phillip Fielder, P.E., Permits and Engineering Group Manager

THROUGH: Rick Groshong, Sr. Environmental Manager, Compliance and Enforcement

THROUGH: Phil Martin, P.E., Existing Source Permits Section Manager

THROUGH: Jian Yue, P.E., New Source Permits Section

FROM: Iftekhar Hossain, P.E., New Source Permits Section

SUBJECT: Evaluation of Permit Application No. **2016-0795-C**
DCP Operating Company, LP
Crescent Compressor Station (Facility ID: 292)
Section 11 – T 16N – R 5W, Kingfisher County, Oklahoma
Latitude: 35.88412°N, Longitude: 97.69293°W
Directions: From Junction SH-33 and SH-74, go 2 miles north, go 5 miles west, and 1 mile south on County Road 102.

SECTION I. INTRODUCTION

DCP Operating Company, LP (DCP) has applied for a Tier II modification to their Part 70 renewal operating permit to convert it to a “synthetic minor” construction permit for Crescent Compressor Station (SIC 1311). The facility is currently operating under Permit No. 2014-1412-TV3 (M-1), issued April 26, 2016. Current potential to emit is under major source thresholds, and DCP requests a synthetic minor construction permit be issued to replace the existing Part 70 operating permit.

In this permit action, the applicant intends to accomplish the following:

- 1) Remove engines P-ENG1 through P-ENG6. They have been removed from the site.
- 2) Rename 1,478-hp Waukesha L7042GSI engine P-ENG7 to P-ENG1a.
- 3) Reduce fugitive emissions and estimated component counts (FUG).
- 4) Reduce the number of annual compressor blowdowns and compressor blowdown emissions (B-1).
- 5) Update the carbon monoxide (CO) emission factor (g/hp-hr) for engine P-ENG1a (previously P-ENG7).
- 6) Add an additional 1,478-hp Waukesha L7042GSI engine (P-ENG2a). This engine has not been scheduled to be installed yet.

Since the installation date of the engine P-ENG2a is uncertain, therefore, the applicant has requested a synthetic minor construction permit. Upon installation of the engine, the applicant will apply for a synthetic minor operating permit.

After incorporating the requested changes, the total emissions from the facility will be 57.09 TPY NO_x, 85.63 TPY CO, and 64.89 TPY VOC, and the facility becomes a “synthetic minor” source. This permitting action will be reviewed as a significant modification of the current Part 70 operating permit; therefore, the permit will be processed under **Tier II** procedures.

SECTION II. FACILITY DESCRIPTION

After this modification, the facility will have two stationary internal combustion engines in compressor service, and two condensate tanks. Natural gas from field wells located in the surrounding area is routed to the station by pipeline to the inlet separator where condensate is removed. The natural gas is then compressed and transmitted by pipeline to a processing plant. Gas is received through a suction line, liquids are knocked out by separators, and gas is routed to two compressor units (EU IDs P-ENG1a and P-ENG2a). Piping components fugitives (EU ID E-FUG) result in VOC emissions. Existing equipment at the site includes two 210-barrel condensate tanks, one 150-gallon methanol tank, one 90 and 100-barrel lube oil tanks.

SECTION III. EQUIPMENT

Internal Combustion Engines

EU	Point	Make/Model	Hp	Serial #	Const. Date
1	P-ENG1a	Waukesha L7042GSI w/catalytic converter	1,478	C-18299/1	7/2008
2	P-ENG2a	Waukesha L7042GSI w/catalytic converter	1,478	TBD	TBD

Tanks

EU	Point	Contents	Barrels	Gallons	Const. Date
P-T1	P-T1	Condensate	210	8,814	Pre-1970
P-T2	P-T2	Condensate	210	8,814	2006
P-T5	P-T5	Antifreeze	14	576	---
P-T6	P-T6	Wastewater	190	7,980	---
P-T7a	P-T7a	Wastewater	50	2,100	---
P-T7b	P-T7b	Antifreeze (Storage)	43	1,800	---
P-T8	P-T8	Antifreeze	100	4,200	---
P-T9	P-T9	Solvent	7	300	---
P-T10	P-T10	Methanol	4	150	---
P-T11	P-T11	Lube Oil	67	2,800	---
P-T12	P-T12	Lube Oil	90	3,780	---
P-T13	P-T13	Used Engine Oil	12	500	---

Condensate Truck Loading

EU	Type of Equipment	Const. Date
L-1	Loading Operations	Pre-1970

Fugitive Emissions

EU	Number of Items	Type of Equipment
Fugitives	343	Gas/Vapor Valves
	82	Liquid Valves
	28	Relief Valves
	12	Pump Seals
	24	Compressor Seals
	1,530	Flanges/Connectors (gas)
	260	Flanges/Connectors (liquid)

SECTION IV. EMISSIONS

- Estimated emissions for the engines are based on continuous operation for the engines and the following emission factors:

Compressor Engine	NOx, g/hp-hr	CO, g/hp-hr	VOC, g/hp-hr	Formaldehyde, lb/MMBTU
#1&2 Waukesha L7042GSI	2.0	3.0	1.0	0.0205

- Estimated emissions for the tanks are based on AP-42 (1/95), Chapter 7.1 and were calculated using TANKS4.0. The applicant has also estimated flash emissions from the tanks using the Vasquez-Beggs equation. The estimation is based on a throughput of 917,280 gallons/year.
- Estimated emissions from the truck loading are based on AP-42 (1/95), Chapter 5.2, an emission factor of 4.93 lbs/1,000 gallons, and an estimated throughput of 917,280 gallons/year.
- Fugitive VOC emissions are based on EPA’s *1995 Protocol for Equipment Leak Emission Estimates* (EPA-453/R-95-017), an estimated number of components, and a recent gas analysis.

Significant Discharge Points

EU	Emission Unit	Height, feet	Diameter, inches	Flow, ACFM	Temp., °F
P-ENG1a	1,478-hp Waukesha L7042GSI	60	12	6,967	1,125
P-ENG2a	1,478-hp Waukesha L7042GSI	60	12	6,967	1,125

Facility Wide Emissions

EU	Description	NOx		CO		VOC	
		lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
P-ENG1a	1,478-hp Waukesha L7042GSI w/cc ¹	6.52	28.54	9.78	42.82	3.26	14.27
P-ENG2a	1,478-hp Waukesha L7042GSI w/cc ¹	6.52	28.54	9.78	42.82	3.26	14.27
T1/T2	Condensate Tanks	---	---	---	---	---	28.92 ²
L-1	Truck Loading	---	---	---	---	---	2.26
Fug	Fugitives	---	---	---	---	0.79	3.48
B-1	Compressor Engine Blowdown	---	---	---	---	---	1.69
Total Emissions			57.09		85.64		64.89
Previous Permit Emissions (2014-1412-TVR3 M-1)			681.31		115.31		96.58
Change			- 624.22		-29.67		-31.69

¹ w/cc = with catalytic converter

² total of working, breathing, and flashing emissions.

The internal combustion engines have emissions of HAPs, the most significant being formaldehyde.

Formaldehyde Emissions from the Engines

EU	MMBTUH	lb/MMBTU	Estimated Emissions	
			lbs/hr	TPY
P-ENG1a, 1,478-hp Waukesha L7042GSI	11.45	0.0205	0.23	1.03
P-ENG2a, 1,478-hp Waukesha L7042GSI	11.45	0.0205	0.23	1.03
TOTALS				2.06

Potential emissions of any single HAP is less than 10 TPY, and potential emissions of total HAP are less than 25 TPY. The facility is a minor source for HAPs.

SECTION V. OKLAHOMA AIR POLLUTION CONTROL RULES

OAC 252:100-1 (General Provisions) [Applicable]
 Subchapter 1 includes definitions but there are no regulatory requirements.

OAC 252:100-2 (Incorporation by Reference) [Applicable]
 Subchapter 2 incorporates by reference applicable provisions of Title 40 of the Code of Federal Regulations as they existed on September 1, 2006 and in accordance with OAC 252:100 Appendix Q. NSPS and NESHAP will be addressed in the “Federal Regulations” section.

OAC 252:100-3 (Air Quality Standards and Increments) [Applicable]
 Primary Standards are in Appendix E and Secondary Standards are in Appendix F of the Air Pollution Control Rules. At this time, all of Oklahoma is in attainment of these standards.

OAC 252:100-5 (Registration, Emissions Inventory and Annual Operating Fees) [Applicable]
 Subchapter 5 requires sources of air contaminants to register with Air Quality, file emission inventories annually, and pay annual operating fees based upon total annual emissions of regulated pollutants. Emission inventories have been submitted and fees paid for the past years.

OAC 252:100-7 (Permits for Minor Facilities) [Applicable]
Subchapter 7 sets forth the permit application fees and the basic substantive requirements of permits for minor facilities. Since criteria pollutant emissions are less than 100 TPY for each pollutant, and emissions of Hazardous Air Pollutants (HAP) will not exceed 10 TPY for any one HAP, or 25 TPY for any aggregate of HAP, the facility is defined as a synthetic minor source.

OAC 252:100-8 (Permits for Part 70 Sources) [Not Applicable]
Part 5 includes the general administrative requirements for Part 70 permits. Any planned changes in the operation of the facility which result in emissions not authorized in the permit and which exceed the “Insignificant Activities” or “Trivial Activities” thresholds require prior notification to AQD and may require a permit modification. Insignificant activities mean individual emission units that either are on the list in Appendix I (OAC 252:100) or whose actual calendar year emissions do not exceed the following limits:

- 5 TPY of any one criteria pollutant
- 2 TPY of any one hazardous air pollutant (HAP) or 5 TPY of multiple HAPs or 20% of any threshold less than 10 TPY for single HAP that the EPA may establish by rule

After this modification, the facility will become a synthetic minor source.

OAC 252:100-9 (Excess Emission Reporting Requirements) [Applicable]
Except as provided in OAC 252:100-9-7(a)(1), the owner or operator of a source of excess emissions shall notify the Director as soon as possible but no later than 4:30 p.m. the following working day of the first occurrence of excess emissions in each excess emission event. No later than thirty (30) calendar days after the start of any excess emission event, the owner or operator of an air contaminant source from which excess emissions have occurred shall submit a report for each excess emission event describing the extent of the event and the actions taken by the owner or operator of the facility in response to this event. Request for affirmative defense, as described in OAC 252:100-9-8, shall be included in the excess emission event report. Additional reporting may be required in the case of ongoing emission events and in the case of excess emissions reporting required by 40 CFR Parts 60, 61, or 63.

OAC 252:100-13 (Prohibition of Open Burning) [Applicable]
Open burning of refuse and other combustible material is prohibited except as authorized in the specific examples and under the conditions listed in this subchapter.

OAC 252:100-19 (Particulate Matter) [Applicable]
This subchapter specifies a particulate matter (PM) emissions limitation of 0.6 lb/MMBTU from new and existing fuel-burning equipment with a rated heat input of 10 MMBTUH or less. AP-42, Table 1.4-2 (7/98), lists the total PM emissions for natural gas to be 7.6 lb/MMft³ or about 0.0076 lb/MMBTU. This permit requires the use of natural gas for all fuel-burning equipment to ensure compliance with Subchapter 19.

OAC 252:100-25 (Visible Emissions and Particulate Matter) [Applicable]
No discharge of greater than 20% opacity is allowed except for short-term occurrences which consist of not more than one six-minute period in any consecutive 60 minutes, not to exceed three such periods in any consecutive 24 hours. In no case, shall the average of any six-minute

period exceed 60% opacity. When burning natural gas there is little possibility of exceeding the opacity standards.

OAC 252:100-29 (Fugitive Dust)

[Applicable]

No person shall cause or permit the discharge of any visible fugitive dust emissions beyond the property line on which the emissions originate in such a manner as to damage or to interfere with the use of adjacent properties, or cause air quality standards to be exceeded, or interfere with the maintenance of air quality standards. Under normal operating conditions, this facility will not cause a problem in this area, therefore it is not necessary to require specific precautions to be taken.

OAC 252:100-31 (Sulfur Compounds)

[Applicable]

Part 5 limits sulfur dioxide emissions from new petroleum or natural gas process equipment (constructed after July 1, 1972). For gaseous fuels the limit is 0.2 lb/MMBTU heat input averaged over 3 hours. For fuel gas having a gross calorific value of 1,000 BTU/SCF, this limit corresponds to fuel sulfur content of 1,203 ppmv. Thus, a limitation of 343 ppmv sulfur in a field gas supply will be in compliance. The permit requires the use of pipeline-grade natural gas or field gas with a maximum sulfur content of 343 ppmv for all fuel-burning equipment to ensure compliance with Subchapter 31.

OAC 252:100-33 (Nitrogen Oxides)

[Not Applicable]

This subchapter limits NO_x emissions from new fuel-burning equipment with a rated heat input greater than or equal to 50 MMBTUH. The engines do not exceed the 50 MMBTUH threshold.

OAC 252:100-35 (Carbon Monoxide)

[Not Applicable]

None of the following affected processes are located at this facility: gray iron cupola, blast furnace, basic oxygen furnace, petroleum catalytic cracking unit, or petroleum catalytic reforming unit.

OAC 252:100-37 (Volatile Organic Compounds)

[Applicable]

Part 3 requires storage tanks constructed after December 28, 1974, with a capacity of 400 gallons or more storing a VOC with a vapor pressure greater than 1.5 psia to be equipped with a permanent submerged fill pipe or with an organic vapor recovery system. The condensate tanks (T1 and T2) are subject to this requirement.

Part 3 requires VOC loading facilities with a throughput equal to or less than 40,000 gallons per day to be equipped with a system for submerged filling of tank trucks or trailers if the capacity of the vehicle is greater than 200 gallons. This facility does not have the physical equipment (loading arm and pump) to conduct this type of loading and is not subject to this requirement.

Part 5 limits the VOC content of coatings from any coating line or other coating operation. This facility does not normally conduct coating or painting operations except for routine maintenance of the facility and equipment, which is exempt.

Part 7 requires fuel-burning and refuse-burning equipment to be operated to minimize emissions of VOC. Temperature and available air must be sufficient to provide essentially complete combustion.

Part 7 requires all effluent water separator openings, which receive water containing more than 200 gallons per day of any VOC, to be sealed or the separator to be equipped with an external floating roof or a fixed roof with an internal floating roof or a vapor recovery system. There are no effluent water separators located at this facility.

OAC 252:100-42 (Toxic Air Contaminants (TAC)) [Not Applicable]
 This subchapter regulates toxic air contaminants (TAC) that are emitted into the ambient air in areas of concern (AOC). Any work practice, material substitution, or control equipment required by the Department prior to June 11, 2004, to control a TAC, shall be retained unless a modification is approved by the Director. Since no AOC has been designated anywhere in the state, there are no specific requirements for this facility at this time.

OAC 252:100-43 (Testing, Monitoring, and Recordkeeping) [Applicable]
 This subchapter provides general requirements for testing, monitoring and recordkeeping and applies to any testing, monitoring or recordkeeping activity conducted at any stationary source. To determine compliance with emissions limitations or standards, the Air Quality Director may require the owner or operator of any source in the state of Oklahoma to install, maintain and operate monitoring equipment or to conduct tests, including stack tests, of the air contaminant source. All required testing must be conducted by methods approved by the Air Quality Director and under the direction of qualified personnel. A notice-of-intent to test and a testing protocol shall be submitted to Air Quality at least 30 days prior to any EPA Reference Method stack tests. Emissions and other data required to demonstrate compliance with any federal or state emission limit or standard, or any requirement set forth in a valid permit shall be recorded, maintained, and submitted as required by this subchapter, an applicable rule, or permit requirement. Data from any required testing or monitoring not conducted in accordance with the provisions of this subchapter shall be considered invalid. Nothing shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed.

The following Oklahoma Air Pollution Control Rules are not applicable to this facility:

OAC 252:100-11	Alternative Emissions Reduction	not requested
OAC 252:100-15	Mobile Sources	not in source category
OAC 252:100-17	Incinerators	not type of emission unit
OAC 252:100-23	Cotton Gins	not type of emission unit
OAC 252:100-24	Grain, Feed, or Seed Operations	not in source category
OAC 252:100-39	Nonattainment Areas	not in area category
OAC 252:100-47	Municipal Solid Waste Landfills	not in source category

SECTION VII. FEDERAL REGULATIONS

PSD, 40 CFR Part 52 [Not Applicable]
 Final total emissions are less than the threshold of 250 TPY of any single regulated pollutant and the facility is not one of the listed stationary sources with an emission threshold of 100 TPY.

NSPS, 40 CFR Part 60 [Subparts JJJJ, OOOO, and OOOOa Applicable]
Subparts K, Ka, Kb, VOL Storage Vessels. All of the tanks are below the de minimis of 19,813-gallons for Subpart Kb and 40,000-gallons for Subparts K and Ka.
Subpart GG, Stationary Gas Turbines. There are no turbines at this facility.
Subpart VV, Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry. This facility is not a SOCOMI plant.

Subpart KKK, Equipment Leaks of VOC from Onshore Natural Gas Processing Plants. The facility does not engage in natural gas processing.

Subpart LLL, Onshore Natural Gas Processing: SO₂ Emissions. There is no natural gas sweetening operation at this site.

Subpart JJJ, Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (SI-ICE). This subpart was published in the Federal Register on January 18, 2008. It promulgates emission standards for all new SI engines ordered after June 12, 2006 and all SI engines modified or reconstructed after June 12, 2006, regardless of size. The specific emission standards (either in g/hp-hr or as a concentration limit) vary based on engine class, engine power rating, lean-burn or rich-burn, fuel type, duty (emergency or non-emergency), and manufacture date. Engine manufacturers are required to certify certain engines to meet the emission standards and may voluntarily certify other engines. An initial notification is required only for owners and operators of engines greater than 500 HP that are non-certified. Emergency engines will be required to be equipped with a non-resettable hour meter and are limited to 100 hours per year of operation excluding use in an emergency (the length of operation and the reason the engine was in operation must be recorded). Engine P-ENG1a was constructed after June 12, 2006 and manufactured after July 1, 2007. Also, it is expected that the engine P-ENG2a would be constructed after June 12, 2006 and manufactured after July 1, 2007. Therefore, P-ENG1a and P-ENG2a will be subject to this subpart.

Subpart OOOO, Crude Oil and Natural Gas Production, Transmission, and Distribution. This subpart was promulgated on August 16, 2012, and per §60.5365 affects the following onshore affected facilities that commence construction, reconstruction, or modification after August 23, 2011:

- (a) Each gas well affected facility, which is a single natural gas well.
- (b) Each centrifugal compressor affected facility, which is a single centrifugal compressor using wet seals that is located between the wellhead and the point of custody transfer to the natural gas transmission and storage segment.
- (c) 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.
- (d) Each pneumatic controller affected facility, which is:
 - (1) For the oil production segment (between the wellhead and the point of custody transfer to an oil pipeline): a single continuous bleed natural gas-driven pneumatic controller operating at a natural gas bleed rate greater than 6 SCFH.
 - (2) For the natural gas production segment (between the wellhead and the point of custody transfer to the natural gas transmission and storage segment and not including natural gas processing plants): a single continuous bleed natural gas-driven pneumatic controller operating at a natural gas bleed rate greater than 6 SCFH.
 - (3) For natural gas processing plants: a single continuous bleed natural gas-driven pneumatic controller.
- (e) 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. On April 12, 2013, EPA proposed revisions to NSPS, Subpart OOOO revising the affected facilities to only those storage vessels that emit more than 6 TPY and revising the definition to only include those storage vessels that contain crude oil, condensate, intermediate hydrocarbon liquids, or produced water.

- (f) The group of all equipment, except compressors, within a process unit is an affected facility.
 - (1) Addition or replacement of equipment for the purpose of process improvement that is accomplished without a capital expenditure shall not by itself be considered a modification under this subpart.
 - (2) Equipment associated with a compressor station, dehydration unit, sweetening unit, underground storage vessel, field gas gathering system, or liquefied natural gas unit is covered by §§ 60.5400, 60.5401, 60.5402, 60.5421, and 60.5422 if it is located at an onshore natural gas processing plant.
- (g) Sweetening units located at onshore natural gas processing plants that process natural gas produced from either onshore or offshore wells.
 - (1) Each sweetening unit that processes natural gas is an affected facility; and
 - (2) Each sweetening unit that processes natural gas followed by a sulfur recovery unit is an affected facility.
 - (3) Facilities that have a design capacity less than 2 long tons per day (LT/D) of hydrogen sulfide (H₂S) in the acid gas (expressed as sulfur) are required to comply with recordkeeping and reporting requirements specified in §60.5423(c) but are not required to comply with §§60.5405 through 60.5407 and §§60.5410(g) and 60.5415(g) of this subpart.

There are no gas wells, centrifugal compressors, or sweetening units located at this facility and this facility is not a gas plant.

For each reciprocating compressor the owner/operator must replace the rod packing before 26,000 hours of operation or prior to 36 months. If utilizing the number of hours, the hours of operation must be continuously monitored. Commenced construction is based on the date of installation of the compressor (excluding relocation) at the facility. The compressor associated P-ENG1a is subject to this subpart. Also, it is expected that the compressor of engine P-ENG2a would be manufactured after August 23, 2011; therefore, it will be subject to this subpart.

Single continuous bleed natural gas driven pneumatic controllers constructed, reconstructed, or modified one year after promulgation of the rule shall not have a natural gas bleed rate greater than 6 SCFH and must be tagged. All pneumatic controllers installed one year after promulgation of this rule at this facility will have to comply with this subpart in the future.

Storage vessels constructed, modified or reconstructed after August 23, 2011, with VOC emissions equal to or greater than 6 TPY must reduce VOC emissions by 95.0 % or greater. The storage vessels at the facility are considered existing and have not been modified or reconstructed. All new or modified storage vessels will have to comply with this subpart.

The group of all equipment, except compressors, within a process unit at a natural gas processing plant must comply with the requirements of NSPS, Subpart VVa, except as provided in §60.5401. This facility is not a gas plant.

A sweetening unit means a process device that removes hydrogen sulfide and/or carbon dioxide from the sour natural gas stream. There are no sweetening units at this facility.

The permit will require the facility to comply with all applicable requirements of NSPS, Subpart OOOO.

Subpart OOOOa, Crude Oil and Natural Gas Production, Transmission, and Distribution. This subpart was published in the Federal Registry on June 3, 2016, with an effective date of August 2, 2016. This subpart regulates equipment at crude oil and natural gas production, transmission and distribution facilities that commenced construction, reconstruction, or modification after September 18, 2015. This subpart regulates single well heads, centrifugal and reciprocating compressors, single continuous bleed natural gas driven pneumatic controllers with a natural gas bleed rate greater than 6 SCFH, storage vessels with the potential for VOC emissions greater than 6 TPY after federally enforceable conditions, onshore natural gas processing plants, sweetening units, single natural gas driven pneumatic diaphragm pumps located at onshore natural gas processing plants, and fugitive emission components located at a compressor station.

The facility may subject to LDAR program if the compressor of the engine to be installed (ENG-2a) meets the criteria of §60.5365a(j).

NESHAP, 40 CFR Part 61 [Not Applicable]
 There are no emissions of any of the regulated pollutants: arsenic, asbestos, beryllium, benzene, coke oven emissions, mercury, radionuclides or vinyl chloride except for trace amounts of benzene. Subpart J, Equipment Leaks of Benzene, only affects process streams that contain more than 10% benzene by weight. All process streams at this facility are below this threshold.

NESHAP, 40 CFR Part 63 [Subpart ZZZZ Applicable]
Subpart HH, Oil and Natural Gas Production Facilities: Area Sources. The final rule for area sources were promulgated on January 3, 2007. This final rule affects each TEG dehydration unit located at an area source oil and natural gas production facility that processes, upgrades, or stores hydrocarbon liquids to the point of custody transfer and natural gas from the well up to and including the natural gas processing plant. Sources with either an annual average natural gas flow rate less than 3 MMSCF/D or benzene emissions less than 1.0 TPY are exempt from control requirements. The dehydration unit at this facility has been permanently shut down. There are no applicable requirements under this subpart.

Subpart ZZZZ, Reciprocating Internal Combustion Engines (RICE). This subpart affects any existing, new, or reconstructed stationary RICE at a major or area source of HAP emissions, except if the stationary RICE is being tested at a stationary RICE test cell/stand. The following table differentiates existing, new, or reconstructed units based on their construction dates.

	Construction/Reconstruction Dates	
	Engines >500 hp	Engines ≤ 500hp
Existing Unit		
Located at Major HAP Source	Before 12/19/02	Before 6/12/06
Located at Area HAP Source	Before 6/12/06	
New or Reconstructed Unit		
Located at Major HAP Source	On and After 12/19/02	On and After 6/12/06
Located at Area HAP Source	On and After 6/12/06	

Engines P-ENG1a and P-ENG2a will potentially be considered new units and will comply with requirements of this subpart by complying with NSPS Subpart JJJJ requirements.

Subpart DDDDD, Industrial, Commercial and Institutional Boilers and Process Heaters. On January 31, 2013, the EPA took final action on its reconsideration of certain issues in the emission standards for the control of HAP from industrial, commercial, and institutional boilers and process heaters at major sources of HAP. The compliance dates for the rule are January 31, 2016, for existing sources and, January 31, 2013, or upon startup, whichever is later, for new sources. This facility is not subject to this subpart because it is not a major HAP source.

Chemical Accident Prevention Provisions, 40 CFR Part 68 [Not Applicable]
This facility will not process or store more than the threshold quantity of any regulated substance (Section 112r of the Clean Air Act 1990 Amendments). More information on this federal program is available on the web page: www.epa.gov/ceppo.

SECTION VIII. COMPLIANCE

Inspection

A full compliance evaluation was conducted on July 5, 2016. Cecelia Kleman of Air Quality who was accompanied by Lonnie Covalt of DCP, conducted the inspection. Based on the information gathered during the on-site evaluation and from records received, one violation was discovered but the case has since been closed.

Tier Classification

This application has been determined to be a **Tier II** based on the request for a significant modification to a Part 70 operating permit to a synthetic minor source construction permit. The permittee has submitted an affidavit that they are not seeking a permit for land use or for any operation upon land owned by others without their knowledge. The affidavit certifies that the applicant owns the land. Information on all permit actions is available for review by the public on the Air Quality section of the DEQ web page at: <http://www.deq.state.ok.us>.

The applicant will publish the “Notice of Filing for a Tier II Application” and the “Notice of Draft Permit” in the local newspaper in Kingfisher County, Oklahoma. The notices will state that the application will be available for public review at the local Public Library and also at the Air Quality Division’s main office in Oklahoma City. The draft permit will also be available for public review on the Air Quality section of the DEQ web page at <http://www.deq.state.ok.us>. This site is not located within 50 miles of the Oklahoma’s border to the neighboring states.

The draft permit will go into a 30-day public review period.

Fee Paid

A significant modification to a Part 70 operating permit to a synthetic minor source construction permit fee is \$5,000. The applicant has paid \$6,000. Therefore, a balance of \$1,000 will be refunded to the applicant upon issuance of this permit.

SECTION IX. SUMMARY

The applicant has demonstrated the ability to comply with the requirements of the applicable Air Quality rules and regulations. Ambient air quality standards are not threatened at this site. There are no active Air Quality compliance or enforcement issues that would prevent issuance of the permit. Issuance of the construction permit is recommended contingent on the public review and the EPA review.

DRAFT

PERMIT TO CONSTRUCT AIR POLLUTION CONTROL FACILITY SPECIFIC CONDITIONS

DCP Operating Company, LP
Crescent Booster Station

Permit Number 2016-0795-C

The permittee is authorized to construct in conformity with the specifications submitted to Air Quality on July 11, 2016. The Evaluation Memorandum dated March 20, 2017, explains the derivation of applicable permit requirements and estimates of emissions; however, it does not contain operating limitations or permit requirements. Commencing construction or continuing operation under this permit constitutes acceptance of, and consent to, the conditions contained herein:

1. Points of emissions and emissions limitations for each point: [OAC 252:100-8-6 (a)(1)]

EU	Description	NO _x		CO		VOC	
		lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
P-ENG1a	1,478-hp Waukesha L7042GSI w/cc ¹	6.52	28.54	9.78	42.82	3.26	14.27
P-ENG2a	1,478-hp Waukesha L7042GSI w/cc ¹	6.52	28.54	9.78	42.82	3.26	14.27
T1/T2	Condensate Tanks	---	---	---	---	---	28.92 ²
L-1	Truck Loading	---	---	---	---	---	2.26
Fug	Fugitives	---	---	---	---	0.79	3.48
B-1	Compressor Engine Blowdown	---	---	---	---	---	1.69

¹ cc = catalytic converter; ² total of working, breathing, and flashing emissions.

2. The fuel-burning equipment shall be fired with pipeline grade natural gas or other gaseous fuel with a sulfur content less than 343 ppmv. Compliance can be shown by the following methods: for pipeline grade natural gas, a current gas company bill; for other gaseous fuel, a current lab analysis, stain-tube analysis, gas contract, tariff sheet, and other approved methods. Compliance shall be demonstrated at least once per calendar year.
3. Upon issuance of an operating permit, the permittee shall be authorized to operate this facility continuously (24 hours per day, every day of the year).
4. Each of the 1,478-hp Waukesha engines shall be equipped with a catalytic converter.
5. All fuel-burning equipment shall have some form of permanent (non-removable) identification that shall list the maximum heat input of the unit. Engines shall have a permanent identification plate attached that shows the make, model, and serial number.
6. At least once per calendar quarter, the permittee shall conduct tests of NO_x and CO emissions in exhaust gases from each engine/turbine and from each replacement engine/turbine when operating under representative conditions for that period. Testing is required for any engine/turbine that runs for more than 220 hours during that calendar quarter. The engine/turbine shall be tested no sooner than 20 calendar days after the last test. Testing shall be conducted using a portable analyzer in accordance with a protocol meeting the requirements of the "AQD Portable Analyzer Guidance" document or an

equivalent method approved by Air Quality. When four consecutive quarterly tests show the engine/turbine to be in compliance with the emissions limitations shown in the permit, then the testing frequency may be reduced to semi-annual testing. A semi-annual test may be conducted no sooner than 60 calendar days nor later than 180 calendar days after the most recent test. Likewise, when the following two consecutive semi-annual tests show compliance, the testing frequency may be reduced to annual testing. An annual test may be conducted no sooner than 120 calendar days nor later than 365 calendar days after the most recent test. Upon any showing of non-compliance with emissions limitations or testing that indicates that emissions are within 10% of the emission limitations, the testing frequency shall revert to quarterly. Reduced testing frequency does not apply to engines with catalytic converters.

7. When periodic compliance testing shows engine exhaust emissions in excess of the lb/hr limits in Specific Condition Number 1, the permittee shall comply with the provisions of OAC 252:100-9 for excess emissions.
9. Total condensate throughput shall not exceed 917,280 gallons per 12-month rolling period.
10. The permittee shall comply with all applicable requirements of the NESHAP (40 CFR Part 63) for Stationary Reciprocating Internal Combustion Engines (RICE), Subpart ZZZZ, for each affected engine including but not limited to: [40 CFR 63.6580 thru 63.6675]

What This Subpart Covers

- a. § 63.6580 What is the purpose of subpart ZZZZ?
- b. § 63.6585 Am I subject to this subpart?
- c. § 63.6590 What parts of my plant does this subpart cover?
- d. § 63.6595 When do I have to comply with this subpart?

Emission and Operating Limitations

- e. § 63.6603 What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?

General Compliance Requirements

- f. § 63.6605 What are my general requirements for complying with this subpart?

Testing and Initial Compliance Requirements

- g. §63.6612 By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate an existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing stationary RICE located at an area source of HAP emissions?
- h. § 63.6625 What are my monitoring, installation, collection, operation, and maintenance requirements?
- i. § 63.6630 How do I demonstrate initial compliance with the emission limitations, operating limitations, and other requirements?

Continuous Compliance Requirements

- j. § 63.6635 How do I monitor and collect data to demonstrate continuous compliance?
- k. § 63.6640 How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?

Notifications, Reports, and Records

- l. § 63.6650 What reports must I submit and when?
 - m. § 63.6655 What records must I keep?
 - n. § 63.6660 In what form and how long must I keep my records?
Other Requirements and Information
 - o. § 63.6665 What parts of the General Provisions apply to me?
 - p. § 63.6670 Who implements and enforces this subpart?
 - q. § 63.6675 What definitions apply to this subpart?
11. The permittee shall comply with NSPS, Subpart OOOO, Standards of Performance for Crude Oil and Natural Gas Production, Transportation, and Distribution, for each affected facility, if applicable. [40 CFR 60.5360 thru 60.5430]
- a. § 60.5360 What is the purpose of this subpart?
 - b. § 60.5365 Am I subject to this subpart?
 - c. § 60.5370 When must I comply with this subpart?
 - d. § 60.5375 What standards apply to gas well affected facilities?
 - e. § 60.5380 What standards apply to centrifugal compressor affected facilities?
 - f. § 60.5385 What standards apply to reciprocating compressor affected facilities?
 - g. § 60.5390 What standards apply to pneumatic controller affected facilities?
 - h. § 60.5395 What standards apply to storage vessel affected facilities?
 - i. § 60.5400 What equipment leak standards apply to affected facilities at an onshore natural gas processing plant?
 - j. § 60.5401 What are the exceptions to the equipment leak standards for affected facilities at onshore natural gas processing plants?
 - k. § 60.5402 What are the alternative emission limitations for equipment leaks from onshore natural gas processing plants?
 - l. § 60.5405 What standards apply to sweetening units at onshore natural gas processing plants?
 - m. § 60.5406 What test methods and procedures must I use for my sweetening units affected facilities at onshore natural gas processing plants?
 - n. § 60.5407 What are the requirements for monitoring of emissions and operations from my sweetening unit affected facilities at onshore natural gas processing plants?
 - o. § 60.5408 What is an optional procedure for measuring hydrogen sulfide in acid gas-Tutwiler Procedure?
 - p. § 60.5410 How do I demonstrate initial compliance with the standards for my gas well affected facility, my centrifugal compressor affected facility, my reciprocating compressor affected facility, my pneumatic controller affected facility, my storage vessel affected facility, and my equipment leaks and sweetening unit affected facilities at onshore natural gas processing plants?
 - q. § 60.5411 What additional requirements must I meet to determine initial compliance for my closed vent systems routing emissions from storage vessels or centrifugal compressor wet seal fluid degassing systems?
 - r. § 60.5412 What additional requirements must I meet for determining initial compliance with control devices used to comply with the emission standards for my storage vessel or centrifugal compressor affected facility?
 - s. § 60.5413 What are the performance testing procedures for control devices used to demonstrate compliance at my storage vessel or centrifugal compressor affected facility?

- t. § 60.5415 How do I demonstrate continuous compliance with the standards for my gas well affected facility, my centrifugal compressor affected facility, my stationary reciprocating compressor affected facility, my pneumatic controller affected facility, my storage vessel affected facility, and my affected facilities at onshore natural gas processing plants?
 - u. § 60.5416 What are the initial and continuous cover and closed vent system inspection and monitoring requirements for my storage vessel or centrifugal compressor affected facility?
 - v. § 60.5417 What are the continuous control device monitoring requirements for my storage vessel or centrifugal compressor affected facility?
 - w. § 60.5420 What are my notification, reporting, and recordkeeping requirements?
 - x. § 60.5421 What are my additional recordkeeping requirements for my affected facility subject to VOC requirements for onshore natural gas processing plants?
 - y. § 60.5422 What are my additional reporting requirements for my affected facility subject to VOC requirements for onshore natural gas processing plants?
 - z. § 60.5423 What additional recordkeeping and reporting requirements apply to my sweetening unit affected facilities at onshore natural gas processing plants?
 - aa. § 60.5425 What parts of the General Provisions apply to me?
 - bb. § 60.5430 What definitions apply to this subpart?
12. The permittee shall comply with NSPS, Subpart OOOOa, Standards of Performance for Crude Oil and Natural Gas Production, Transportation, and Distribution, for all affected facilities located at this site for which construction, modified, or reconstructed after September 18, 2015, if applicable. [40 CFR 60.536 through 60.543]
- a. §60.5360a What is the purpose of this subpart?
 - b. §60.5365a Am I subject to this subpart?
 - c. §60.5370a When must I comply with this subpart?
 - d. §60.5375a What GHG and VOC standards apply to well affected facilities?
 - e. §60.5380a What GHG and VOC standards apply to centrifugal compressor affected facilities?
 - f. §60.5385a What GHG and VOC standards apply to reciprocating compressor affected facilities?
 - g. §60.5390a What GHG and VOC standards apply to pneumatic controller affected facilities?
 - h. §60.5393a What GHG and VOC standards apply to pneumatic pump affected facilities?
 - i. §60.5395a What VOC standards apply to storage vessel affected facilities?
 - j. §60.5397a What fugitive emissions GHG and VOC standards apply to the affected facility which is the collection of fugitive emissions components at a well site and the affected facility which is the collection of fugitive emissions components at a compressor station?
 - k. §60.5398a What are the alternative means of emission limitations for GHG and VOC from well completions, reciprocating compressors, the collection of fugitive emissions components at a well site and the collection of fugitive emissions components at a compressor station?
 - l. §60.5400a What equipment leak GHG and VOC standards apply to affected facilities at an onshore natural gas processing plant?

- m. §60.5401a What are the exceptions to the equipment leak GHG and VOC standards for affected facilities at onshore natural gas processing plants?
- n. §60.5402a What are the alternative means of emission limitations for GHG and VOC equipment leaks from onshore natural gas processing plants?
- o. §60.5405a What standards apply to sweetening unit affected facilities at onshore natural gas processing plants?
- p. §60.5406a What test methods and procedures must I use for my sweetening unit affected facilities at onshore natural gas processing plants?
- q. §60.5407a What are the requirements for monitoring of emissions and operations from my sweetening unit affected facilities at onshore natural gas processing plants?
- r. §60.5408a What is an optional procedure for measuring hydrogen sulfide in acid gas—Tutwiler Procedure?
- s. §60.5410a How do I demonstrate initial compliance with the standards for my well, centrifugal compressor, reciprocating compressor, pneumatic controller, pneumatic pump, storage vessel, collection of fugitive emissions components at a well site, collection of fugitive emissions components at a compressor station, and equipment leaks and sweetening unit affected facilities at onshore natural gas processing plants?
- t. §60.5411a What additional requirements must I meet to determine initial compliance for my covers and closed vent systems routing emissions from centrifugal compressor wet seal fluid degassing systems, reciprocating compressors, pneumatic pumps and storage vessels?
- u. §60.5412a What additional requirements must I meet for determining initial compliance with control devices used to comply with the emission standards for my centrifugal compressor, and storage vessel affected facilities?
- v. §60.5413a What are the performance testing procedures for control devices used to demonstrate compliance at my centrifugal compressor and storage vessel affected facilities?
- w. §60.5415a How do I demonstrate continuous compliance with the standards for my well, centrifugal compressor, reciprocating compressor, pneumatic controller, pneumatic pump, storage vessel, collection of fugitive emissions components at a well site, and collection of fugitive emissions components at a compressor station affected facilities, and affected facilities at onshore natural gas processing plants?
- x. §60.5416a What are the initial and continuous cover and closed vent system inspection and monitoring requirements for my centrifugal compressor, reciprocating compressor, pneumatic pump and storage vessel affected facilities?
- y. §60.5417a What are the continuous control device monitoring requirements for my centrifugal compressor and storage vessel affected facilities?
- z. §60.5420a What are my notification, reporting, and recordkeeping requirements?
- aa. §60.5421a What are my additional recordkeeping requirements for my affected facility subject to GHG and VOC requirements for onshore natural gas processing plants?
- bb. §60.5422a What are my additional reporting requirements for my affected facility subject to GHG and VOC requirements for onshore natural gas processing plants?
- cc. §60.5423a What additional recordkeeping and reporting requirements apply to my sweetening unit affected facilities at onshore natural gas processing plants?
- dd. §60.5425a What parts of the General Provisions apply to me?
- ee. §60.5430a What definitions apply to this subpart?

- ff. §60.5432a How do I determine whether a well is a low pressure well using the low pressure well equation?
13. The permittee shall comply with all applicable requirements of the New Source Performance Standards for Stationary Spark Ignition Internal Combustion Engines, Subpart JJJJ, for each affected engine including but not limited to the following: [40 CFR 60.4230 thru 60.4246]

What This Subpart Covers

- a. 60.4230 Am I subject to this subpart?
Emission Standards for Owners and Operators
- b. 60.4233 What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?
- c. 60.4234 How long must I meet the emission standards if I am an owner or operator of a stationary SI internal combustion engine?
Other Requirements for Owners and Operators
- d. 60.4236 What is the deadline for importing or installing stationary SI ICE produced in the previous model year?
Compliance Requirements for Owners and Operators
- e. 60.4243 What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?
Testing Requirements for Owners and Operators
- f. 60.4244 What test methods and other procedures must I use if I am an owner or operator of a stationary SI internal combustion engine?
Notification, Reports, and Records for Owners and Operators
- g. 60.4245 What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI internal combustion engine?
General Provisions
- h. 60.4246 What parts of the General Provisions apply to me?
14. The permittee shall maintain records of operations as listed below. These records shall be maintained on-site or at a local field office for at least five years after the date of recording and shall be provided to regulatory personnel upon request.
- a. O&M records for any engine and for any replacement engine/turbine not tested in each 6 month period.
- b. Operating hours of each engine and each replacement engine if operated less than 220 hours per quarter and not tested.
- c. Periodic emission testing for each engine/turbine and each replacement engine/turbine.
- d. For fuel(s) burned, the appropriate document(s) as described in Specific Condition No. 2.
- e. Facility condensate throughput (monthly and rolling 12-month totals).
- f. Records as required by NSPS, 40 CFR Part 60, Subparts OOOO and OOOOa.
- g. Records as required by NESHAP, 40 CFR Part 63, Subpart ZZZZ.
- h. Records as required by NSPS, 40 CFR Part 60, Subpart JJJJ.
15. Within 180 days of operational start-up, the permittee shall submit an application for an operating permit noting any changes in operation from the construction permit application.

DCP Operating Company, LP
Attn: Mr. Stephen Ondak
3201 Quail Springs Pkwy, Suite 100
Oklahoma City, OK 73134

Re: Permit Application **No. 2016-0795-C**
Crescent Compressor Station (Facility ID: 292)
Section 11 – T16N – R5W
Crescent, Kingfisher County, Oklahoma

Dear Mr. Ondak:

Air Quality Division has completed the initial review of your major source construction permit application referenced above. This application has been determined to be a **Tier II**. In accordance with 27A O.S. §2-14-302 and OAC 252:002-31 the enclosed draft permit is now ready for public review. The requirement for public review include the following steps which you must accomplish:

1. Publish at least one legal notice (one day) in at least one newspaper of general circulation within the county where the facility is located. (Instruction enclosed)
2. Provide for public review (for a period of 30 days following the date of the newspaper announcement) a copy of this draft permit and a copy of the application at a convenient location (preferably a public location) within the county of the facility.
3. Send to AQD a copy of the proof of publication notice from Item #1 above together with any additional comments or requested changes, which you may have on the draft permit.

Thank you for your cooperation in this matter. If we may be of further service, or you have any questions about this permit, please contact the permit writer or me at (405) 702-4100.

Sincerely,

Phillip Fielder, P.E.
Permits and Engineering Group Manager
AIR QUALITY DIVISION

Enclosure



PERMIT

AIR QUALITY DIVISION
STATE OF OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY
707 N. ROBINSON, SUITE 4100
P.O. BOX 1677
OKLAHOMA CITY, OKLAHOMA 73101-1677

Permit No. 2016-0795-C

DCP Operating Company, LP,

having complied with the requirements of the law, is hereby granted permission to operate all the sources within the boundaries of the Crescent Booster Station at Crescent, Kingfisher County, Oklahoma, subject to the Specific Conditions, and the Standard Conditions dated July 21, 2012, both attached.

In the absence of commencement of construction, this permit shall expire 18 months from the issuance date, except as authorized under Section B of the Standard Conditions.

Director, Air Quality Division

Issuance Date

**MINOR SOURCE PERMIT TO OPERATE / CONSTRUCT
AIR POLLUTION CONTROL FACILITY
STANDARD CONDITIONS
(July 12, 2012)**

- A. The issuing Authority for the permit is the Air Quality Division (AQD) of the Oklahoma Department of Environmental Quality (DEQ) in accordance with and under the authority of the Oklahoma Clean Air Act. The permit does not relieve the holder of the obligation to comply with other applicable federal, state, or local statutes, regulations, rules, or ordinances. This specifically includes compliance with the rules of the other Divisions of DEQ: Land Protection Division and Water Quality Division.
- B. A duly issued construction permit or authorization to construct or modify will terminate and become null and void (unless extended as provided in OAC 252:100-7-15(g)) if the construction is not commenced within 18 months after the date the permit or authorization was issued, or if work is suspended for more than 18 months after it is commenced. [OAC 252:100-7-15]
- C. The recipient of a construction permit shall apply for a permit to operate (or modified operating permit) within 180 days following the first day of operation. [OAC 252:100-7-18(a)]
- D. Unless specified otherwise, the term of an operating permit shall be unlimited.
- E. Notification to the Air Quality Division of DEQ of the sale or transfer of ownership of this facility is required and shall be made in writing by the transferor within 30 days after such date. A new permit is not required. [OAC 252:100-7-2(f)]
- F. The following limitations apply to the facility unless covered in the Specific Conditions:
1. No person shall cause or permit the discharge of emissions such that National Ambient Air Quality Standards (NAAQS) are exceeded on land outside the permitted facility. [OAC 252:100-3]
 2. All facilities that emit air contaminants are required to file an emission inventory and pay annual operating fees based on the inventory. Instructions and forms are available on the Air Quality section of the DEQ web page. www.deq.state.ok.us [OAC 252:100-5]
 3. Deviations that result in emissions exceeding those allowed in this permit shall be reported consistent with the requirements of OAC 252:100-9, Excess Emission Reporting Requirements. [OAC 252:100-9]
 4. Open burning of refuse and other combustible material is prohibited except as authorized in the specific examples and under the conditions listed in the Open Burning subchapter. [OAC 252:100-13]
 5. No particulate emissions from new fuel-burning equipment with a rated heat input of 10 MMBTUH or less shall exceed 0.6 lbs/MMBTU. [OAC 252:100-19]
 6. No discharge of greater than 20% opacity is allowed except for short-term occurrences which consist of not more than one six-minute period in any consecutive 60 minutes, not to exceed three such periods in any consecutive 24 hours. In no case shall the average of any six-minute period exceed 60% opacity. [OAC 252:100-25]
 7. No visible fugitive dust emissions shall be discharged beyond the property line on which the emissions originate in such a manner as to damage or to interfere with the use of adjacent

- properties, or cause air quality standards to be exceeded, or interfere with the maintenance of air quality standards. [OAC 252:100-29]
8. No sulfur oxide emissions from new gas-fired fuel-burning equipment shall exceed 0.2 lbs/MMBTU. No existing source shall exceed the listed ambient air standards for sulfur dioxide. [OAC 252:100-31]
 9. Volatile Organic Compound (VOC) storage tanks built after December 28, 1974, and with a capacity of 400 gallons or more storing a liquid with a vapor pressure of 1.5 psia or greater under actual conditions shall be equipped with a permanent submerged fill pipe or with an organic material vapor-recovery system. [OAC 252:100-37-15(b)]
 10. All fuel-burning equipment shall at all times be properly operated and maintained in a manner that will minimize emissions of VOCs. [OAC 252:100-37-36]
- G. Any owner or operator subject to provisions of NSPS shall provide written notification as follows: [40 CFR 60.7 (a)]
1. A notification of the date construction (or reconstruction as defined under §60.15) of an affected facility is commenced postmarked no later than 30 days after such date. This requirement shall not apply in the case of mass-produced facilities which are purchased in completed form.
 2. A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in §60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice.
 3. A notification of the actual date of initial start-up of an affected facility postmarked within 15 days after such date.
 4. If a continuous emission monitoring system is included in the construction, a notification of the date upon which the test demonstrating the system performance will commence, along with a pretest plan, postmarked no less than 30 days prior to such a date.
- H. Any owner or operator subject to provisions of NSPS shall maintain records of the occurrence and duration of any start-up, shutdown, or malfunction in the operation of an affected facility or any malfunction of the air pollution control equipment. [40 CFR 60.7 (b)]
- I. Any owner or operator subject to the provisions of NSPS shall maintain a file of all measurements and other information required by this subpart recorded in a permanent file suitable for inspection. This file shall be retained for at least five years following the date of such measurements, maintenance, and records. [40 CFR 60.7 (f)]
- J. Any owner or operator subject to the provisions of NSPS shall conduct performance test(s) and furnish to AQD a written report of the results of such test(s). Test(s) shall be conducted within 60 days after achieving the maximum production rate at which the facility will be operated, but not later than 180 days after initial start-up. [40 CFR 60.8]