

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION**

MEMORANDUM

May 19, 2016

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

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

THROUGH: *AT* Peer Review

FROM: *ECM* Eric L. Milligan, P.E., Engineering Section

SUBJECT: Evaluation of General Permit Application No. 2012-1344-TV
Authorization to Operate, Air Curtain Incinerator (ACI) Facilities
Pond Creek Pallet, Inc.
Pond Creek Pallet Facility
Facility ID: 10119 (SIC 2499, NAICS 321920)
Latitude: 36.67070°N; Longitude: 97.78347°W
Section 6, T25N, R5W, Grant County Oklahoma

INTRODUCTION

Pond Creek Pallet, Inc. has applied for an Authorization to Operate under the General Permit for Air Curtain Incinerator Facilities (GP-ACI), issued October 14, 2015, for the ACI located at their Pond Creek facility. The facility is not currently permitted. The applicant submitted a Part 70 application on November 9, 2012, before the GP-ACI became available.

FACILITY DESCRIPTION AND EQUIPMENT

This facility manufactures or rebuilds wooden pallets to customer specifications. A McPherson Systems Inc. Model M30F Air Curtain Destructor is used to dispose of wood-waste generated from manufacturing and rebuilding wooden pallets and other sources. The M30F Air Curtain Destructor consists of a blower, nozzle, and a refractory lined pit for the burning of wood-waste. The wood waste to be burned is considered clean wood-waste.

The pit is 13 feet wide by 28 feet long by 12 feet deep. The 40,000 CFM axial fan supplies a minimum of 25,000 CFM of air at the nozzle. The nozzle velocity is 8,000 ft/min and supplies underfire air and an air curtain which enters the burning chamber from the side at a 20 degree downward angle. Power is provided to the blower using a diesel-fired 110-hp Cummins 4BT 3.9L engine. The engine was manufactured in 2000 and is not subject to NSPS, Subpart IIII. However, the engine is subject to NESHAP, Subpart ZZZZ. Wood is loaded into the pit using a forklift. The maximum anticipated operation of the ACI is 2,000 hours per year.

ACI Description

EU	Point	Description	Throughput		Const. Date
			TPH	TPY	
EU-1	EU-1	McPherson M30F	1.3	2,600	2012

Engine Description

EU	Point	Description	Horsepower	Mfg. Date
EU-2	EU-2	Cummins 4BT 3.9L	110	3/2000

EMISSIONS

Emissions from the ACI pit are based on the default emission factors listed in Appendix A of the GP-ACI memorandum and the maximum wood-waste burning rate of 1.3 TPH and 2,600 TPY.

ACI Emission Factors

PM	PM ₁₀	PM _{2.5}	NO _x	CO	VOC	SO ₂
lb/ton	lb/ton	lb/ton	lb/ton	lb/ton	lb/ton	lb/ton
13.0	2.0	1.1	4.0	2.22	0.1	0.1

Emissions from the 110-hp diesel-fired engine are based on AP-42 (10/1996), Section 3.3, use of ultra-low sulfur diesel (15 ppmw S), and 2,000 hours of operation.

Engine Emission Factors

PM	PM ₁₀	PM _{2.5}	NO _x	CO	VOC	SO ₂
lb/hp-hr	lb/hp-hr	lb/hp-hr	lb/hp-hr	lb/hp-hr	lb/hp-hr	lb/hp-hr
2.20E-3	2.20E-3	2.20E-3	0.031	6.68E-3	2.51E-3	1.21E-5

Facility Wide Emissions

Pollutant	ACI		Engine		Total Emissions	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
PM ₁₀	2.60	2.60	0.24	0.24	2.84	2.84
NO _x	5.20	5.20	3.41	3.41	8.61	8.61
CO	2.89	2.89	0.74	0.74	3.63	3.63
VOC	0.13	0.13	0.28	0.28	0.41	0.41
SO ₂	0.13	0.13	<0.01	<0.01	0.13	0.13

The facility is eligible for coverage under the GP-ACI because the facility potential emissions are less than 100 TPY for any criteria pollutant, 10 TPY for any single HAP, and 25 TPY for total HAP, and the facility meets the following conditions:

- a. The facility contains only a single ACI.
- b. The ACI is used to burn only the following materials:
 - i. 100 percent wood waste.
 - ii. 100 percent clean lumber.

- iii. 100 percent yard waste.
- iv. 100 percent mixture of only wood waste, clean lumber, and/or yard waste.

PREVIOUS PERMITS

This facility is currently unpermitted and this permit addresses all necessary fees and regulations.

EMISSIONS LIMITATIONS

Emissions limitations are established in this Authorization as a facility-wide emissions cap in order to avoid other applicable requirements. This cap is established at a level to not equal or exceed major source thresholds. Compliance with these emissions limitations can be demonstrated by compliance with the following limits.

- a. The total amount of wood burned in a calendar year shall not exceed the following:

Maximum ACI Throughputs	
Scenarios	TPY
Scenario 1: Engine not subject to NSPS	33,000
Scenario 2: No combustion engine or engine subject to NSPS	38,300

The anticipated operation of the ACI of 2,600 TPY is in compliance with the GP-ACI limit of 33,000 TPY.

The engine at this facility is subject to NESHAP, Subpart ZZZZ.

- b. The internal combustion engine authorized under this general permit is limited to engines rated less than or equal to 240-hp.

The engine at this facility is rated at 110-hp which is in compliance with the limit of 240-hp.

In addition, the operator shall meet the following two limitations:

- a. Maintain opacity to less than or equal to 10% opacity (6 minute average), except as described below.
- b. Maintain opacity to less than or equal to 35% opacity (6 minute average) during the startup period that is within the first 30 minutes of operation.

APPLICABLE REQUIREMENTS AND MONITORING AND RECORDKEEPING REQUIREMENTS

Applicable requirements and monitoring and recordkeeping requirements for all eligible sources were identified and evaluated in development of the GP-ACI. As a summary, and for informational purposes only, the table at the end of this memorandum lists whether or not a particular condition of the permit and any specific monitoring and recordkeeping requirement pertains to a particular emission unit presently operated under this Authorization.

PERFORMANCE TESTING

The permittee shall use Method 9 of Appendix A of Part 60 to conduct annual tests no more than 12 calendar months following the date of the previous test.

TIER CLASSIFICATION AND PUBLIC REVIEW

The application associated with this Authorization under the GP-ACI is classified as Tier I, per OAC 252:4-7-32(c)(1). Since the GP-ACI has previously undergone public review (notice published in the *Daily Oklahoman* on May 2, 2015, and the *Tulsa World* on May 3, 2015), no site-specific public review is required. Information on the GP-ACI and all permit actions is available for review by the public in the Oklahoma City offices of the Air Quality Division and the Air Quality section of the DEQ web page: www.deq.state.ok.us.

The applicant 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 used to accomplish the permitted purpose.

INSPECTION

No inspection is required for facilities with criteria pollutant emissions below 50 TPY of NO_x and CO.

FEES PAID

The applicant paid the \$900 Authorization to Construct application fee and the \$900 Authorization to Operate application fee.

SUMMARY

The facility was constructed and is operating as described in the application for an Authorization to Operate. Ambient air quality standards are not threatened at the site. Issuance of the Authorization to Operate is recommended.

SUMMARY OF STANDARDS, MONITORING, and/or RECORDKEEPING REQUIREMENTS

Emission Unit (EU)	Specific Condition	Applicable? Y/N	Description	Standard, Monitoring, and/ or Recordkeeping	Comments
Emission Limitations	Part 2.I.3	Y	Facility-wide cap	Compliance with Established Burning Rate and Engine Size	
Air Curtain Incinerator	Part 2.II.1	Y	Burning Rate Limitations	Annual calculations and records	
	Part 2.II.2	Y	Material Limitations	Annual records	
	Part 2.II.3	Y	Pollution Control	Maintain and operate the ACI in a manner consistent with good air pollution control practice	
	Part 2.II.4	Y	SC 17, Part 9	Comply with Opacity limits per SC 17, Part 9	
	Part 2.II.4	N	40 CFR Part 60, Subpart CCCC	Comply with Opacity limits per 40 CFR Part 60, Subpart CCCC	
	Part 2.II.5	N	SC 17, Part 11	Comply with Opacity limits per SC 17, Part 11	
	Part 2.II.5	N	40 CFR Part 60, Subpart EEEE	Comply with Opacity limits per 40 CFR Part 60, Subpart EEEE	
	Part 2.II.6	Y	Recordkeeping	Records of burning rate and any records required by NSPS Subparts CCCC and EEEE	
Combustion Equipment	Part 2.III.1	Y	Engine size limitation	< 240-hp	
	Part 2.III.2	Y	Engine identification plate	Make, model, and serial number	
	Part 2.III.3	Y	SC 37-36 VOC emissions	Operate and maintain to minimize emissions	
	Part 2.III.4	Y	Fuel Requirement	Natural gas or on/off road diesel	
	Part 2.III.6	N	40 CFR Part 60, Subpart IIII (CI engines)	Per NSPS Subpart IIII	No applicable equipment
	Part 2.III.7	N	40 CFR Part 60 Subpart JJJJ (SI engines)	Per NSPS Subpart JJJJ	No applicable equipment
	Part 2.III.8	Y	40 CFR Part 63 Subpart ZZZZ (RICE)	Per NESHAP Subpart ZZZZ	
Fugitive Emission Sources	Part 2.IV.1	Y	PM emissions	Per OAC 252:100-29	
Temporary Sources	Part 2.V	N	OAC 252:100-8-6.2	Per OAC 252:100-8-6.2	



SCOTT A. THOMPSON
Executive Director

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

MARY FALLIN
Governor

MAY 31 2016

Pond Creek Pallet, Inc.
Mr. Joey Grant Hayes, CEO
P.O. Box 224
Pond Creek, OK 73766

SUBJECT: GP-ACI Authorization to Operate
Permit No. 2012-1344-TV
Pond Creek Pallet Facility
Facility ID: 10119 (SIC 2421, NAICS 321920)
Section 32, T-25N, R-6W

Dear Mr. Hayes:

Enclosed is the Authorization to Operate the referenced facility. Please note that this permit is issued subject to standard and specific conditions of the GP-ACI. These conditions must be carefully followed since they define the limits of the permit and will be confirmed by periodic inspections. A copy of the GP-ACI is provided with the authorization.

Also note that you are required to annually submit an emissions inventory for this facility. An emissions inventory must be completed on approved AQD forms and submitted (hardcopy or electronically) by April 1st of every year. Any questions concerning the form or submittal process should be referred to the Emissions Inventory Staff at (405) 702-4100.

Thank you for your cooperation. If you have any questions, please refer to the permit number above and contact me at (405) 702-4217 or by email at eric.milligan@deq.ok.gov.

Sincerely,

Eric L. Milligan, P.E.
Engineering Section
AIR QUALITY DIVISION

Enclosures: Authorization to Operate
GP-ACI





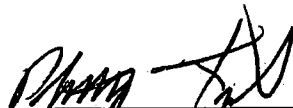
AUTHORIZATION TO OPERATE
PURSUANT TO THE TERMS OF THE
GENERAL PERMIT FOR AIR CURTAIN INCINERATOR FACILITIES

Air Quality Division
State of Oklahoma
Department of Environmental Quality
707 North Robinson
P.O. Box 1677
Oklahoma City, Oklahoma 73101-1677

Authorization No.: 2012-1344-TV
Facility Name: Pond Creek Pallet Facility
SIC Code: 2421
Facility Location: Section 6, Township 25N, Range 5W, Grant County, Oklahoma
Company Name: Pond Creek Pallet, Inc.
Mailing Address: P.O. Box 224, Pond Creek, OK 73766
Contact Person: Mr. Joey Grant Hayes, CEO

This Authorization is issued pursuant to OAC 252:100-8-6.1.

Authorization is hereby granted the above named entity to operate the emission units, emission points, and other processes listed herein which are located at the above described facility (Facility) pursuant to the terms of the General Permit for Air Curtain Incinerator Facilities as issued by the Oklahoma Department of Environmental Quality, Air Quality Division, on October 14, 2015. The Authorization addresses only those emission sources listed under Section VI or provided for under Section IV, and only while located at the Facility.



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

5/23/2016

Issuance Date

Except as otherwise prohibited or limited by the General Permit for Air Curtain Incinerator Facilities (GP-ACI) or this Authorization, the permittee is hereby authorized to operate the following emissions sources and/or conduct the following activities at the referenced site as described in the application received on May 18, 2016. The Evaluation Memorandum, dated May 19, 2016, explains the derivation of applicable permit requirements and estimates of emissions; however, it does not contain operating limitations or permit requirements. Commencing construction or operations under this permit constitutes acceptance of, and consent to, the conditions contained herein.

I. Emission Units and Emissions Limitations

Emission limitations are hereby established for all regulated pollutants as a facility-wide cap. Emissions from all emission units at the facility shall not equal or exceed major source thresholds, i.e., 100 TPY of any regulated pollutant, 10 TPY of any single hazardous air pollutant (HAP), or 25 TPY of total HAP. Compliance with these emissions limitations can be demonstrated by compliance with the following limits.

- a. The total amount of wood burned in a calendar year shall not exceed the following:

Maximum ACI Throughputs

Scenarios	TPY
Scenario 1: Engine not subject to NSPS	33,000
Scenario 2: No combustion engine or engine subject to NSPS	38,300

- b. The internal combustion engine authorized under this general permit is limited to engines rated less than or equal to 240-hp:

In addition, the operator shall meet the following two limitations:

- a. Maintain opacity to less than or equal to 10% opacity (6 minute average), except as described below.
- b. Maintain opacity to less than or equal to 35% opacity (6 minute average) during the startup period that is within the first 30 minutes of operation.

II. Monitoring and Recordkeeping Requirements

The permittee shall demonstrate continued compliance with any emission limitations or any operational conditions as specified in the GP-ACI.

III. Equipment Additions / Authorization Modifications

The permittee shall obtain a major source construction permit for any modification that would cause an existing facility to no longer be classified as a minor facility.

The permittee shall obtain a minor source construction permit for any modification listed under Part 1, Section II.3 of the GP-ACI.



**AIR QUALITY
GENERAL PERMIT TO CONSTRUCT/OPERATE
AIR CURTAIN INCINERATOR FACILITIES**

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

In compliance with the provisions of the Oklahoma Clean Air Act, as amended (27A O.S., et seq.), and rules promulgated thereunder, operators of Air Curtain Incinerator (ACI) facilities, as described under Part 1, Section II below, are hereby granted permission to construct/operate such facilities as specified in an Authorization to Construct/Operate under this general permit (hereinafter referred to as an "Authorization") issued by the Department of Environmental Quality (DEQ). Parts 1 through 4 of this permit specify emissions limitations and standards that constitute applicable requirements, including state-only requirements, and include operational requirements and limitations necessary to assure compliance with all applicable air pollution rules. All ACI facilities shall remain subject to the Oklahoma Clean Air Act, Okla. Stat. tit. 27A §§ 2-5-101 to -117 (2013) and the rules promulgated thereunder at Okla. Admin. Code ("OAC"), Air Pollution Control, Title 252, Chapter 100-1-1 to -47-14 (2014).

The owner or operator of an ACI facility may request that the facility be granted an Authorization in accordance with this general permit by submitting to the Air Quality Division (AQD) a DEQ Notice of Intent (NOI) Form and a complete set of General Permit Application Forms for an ACI facility. Eligible facilities may apply for coverage under this permit at any time during the permit term. No facility, or part thereof, is authorized to construct or operate pursuant to the terms of this general permit unless an application for an Authorization using an NOI Form has been received by the AQD, or an Authorization has been issued for that facility.

This permit shall become effective on the date below. This permit and any authorization to operate a facility under it shall expire at midnight, October 14, 2020, except as authorized under Section VIII of Part 4, Standard Conditions.

Signed and issued this day of October 14, 2015.

A handwritten signature in black ink, appearing to read "Eddie Terrill".

Eddie Terrill, Director, Air Quality Division

PART 1 – REQUIREMENTS FOR GENERAL PERMIT

This permit is issued for the air curtain incinerator (ACI) facilities to establish (A) terms and conditions to implement applicable air pollution rules, (B) terms and conditions to implement applicable air pollution rules for specified categories of changes to those permitted sources, (C) terms and conditions for new requirements that apply to sources with existing permits, and (D) federally-enforceable caps on emissions. The permit is issued after finding that there are several permittees, permit applicants, or potential permit applicants who have the same or substantially similar operations, emissions, activities, or facilities; the permittees, permit applicants, or potential permit applicants emit the same types of regulated air pollutants; the operations, emissions, activities, or facilities are subject to the same or similar standards, limitations, and operating requirements; and the operations, emissions, activities, or facilities are subject to the same or similar monitoring requirements.

SECTION I. AUTHORITY

This permit was developed in accordance with the provisions of OAC 252:100-8-6.1, "General Permits," and complies with all applicable requirements and state-only requirements of OAC 252:100 and all applicable requirements of 40 CFR Part 70 (Operating Permits) and Title V of the Clean Air Act Amendments of 1990.

SECTION II. ELIGIBILITY

1. This permit is limited to air curtain incinerators (ACIs) facility with actual emissions less than 100 tons/year (TPY) of a regulated pollutant in an attainment area, less than 10 TPY of any single hazardous air pollutant (HAP), and less than 25 TPY of total HAP. An ACI operates by forcefully projecting a curtain of air across an open, integrated combustion chamber (fire box) or open pit or trench (trench burner) in which combustion occurs. An incinerator of this type may be constructed above or below ground and with or without refractory walls or floor. These types of ACIs may be authorized to construct/operate under this general permit provided that:
 - a. The facility contains only a single ACI and one internal combustion engine to drive the fan. Any other type of emission units would not be eligible unless they qualify for trivial activities.
 - b. The ACI is only used for the disposal of 100 percent wood waste, 100 percent clean lumber, 100 percent yard waste, or 100 percent mixture of only wood waste, clean lumber, and/or yard waste.
 - c. The facility is in compliance with all applicable State and Federal air requirements. [OAC 252:100-8-6.1 (a)]
 - d. The internal combustion engine authorized under this general permit is limited to engines rated less than or equal to 240-hp.

5. For a facility operating under this permit, if emissions change for any reason that subjects the facility to PSD permitting requirements, then the facility no longer qualifies for a general operating permit. However, the existing Authorization will remain valid during the time period covered by the PSD construction permit until the facility receives a Part 70 site-specific operating permit for the entire facility. [OAC 252:100-8-6.1 (d)(4)]

SECTION III. AUTHORIZATION

1. An applicant may obtain an Authorization under this General Permit in one of the following ways:
 - a. An applicant proposing to construct a new facility that meets all of the eligibility requirements, excluding those facilities listed in Part 1, Section II.2, may apply for an Authorization to Construct by submitting an NOI Form and a complete set of General Permit Application Forms for an ACI facility. Coverage under this permit is effective, and the permittee may commence construction, upon receipt by the DEQ of the NOI. The earliest of (1) a legible dated U.S. Postal Service postmark (private metered postmarks are not acceptable); (2) a dated receipt from a commercial carrier or the U.S. Postal Service; or (3) a DEQ date stamped application, is acceptable documentation of receipt of the NOI. The Authorization to Construct is issued by the DEQ after confirming that the application is administratively complete, the proper fee has been received, and that the facility is eligible for coverage under the permit.
 - b. An applicant proposing to obtain coverage under this permit for an existing, previously permitted facility, need only submit an application for an Authorization to Operate if the facility meets all of the eligibility requirements.
 - c. An applicant proposing to modify an existing facility, using the minor modification procedures, already covered by an Authorization to Operate under this general permit need only submit an application for a modification to their Authorization to Operate if the facility and modification meet all of the eligibility requirements in Part 4, Section XXI.

Note: For modifications that are considered to be minor modifications, no construction permit is required. The facility will only be issued a modified Authorization to Operate.

SECTION II. Air Curtain Incinerators

The permittee is authorized to operate air curtain incinerators (ACIs), as specified in the Authorization. Such ACIs shall be operated in compliance with any requirements specified in the Authorization, Standard Conditions, and the following terms and conditions:

1. **Burning rate limitations**

- a. Total annual burning rate shall not exceed the following. Permittee shall maintain a record of the annual burning rate (12-month rolling total) to demonstrate compliance.

Scenarios	Maximum ACI Throughputs
	TPY
Scenario1: Engine Not Subject to NSPS	33,000
Scenario2: No Combustion Engine or Engine Subject to NSPS	38,300

2. **Material Limitations**

The permittee shall burn only the following materials in the air curtain incinerator:

- a. 100 percent wood waste.
- b. 100 percent clean lumber.
- c. 100 percent yard waste.
- d. 100 percent mixture of only wood waste, clean lumber, and/or yard waste.

3. **Air Pollution Control Requirements**

At all times, including periods of startup, shutdown, and malfunction, the Permittee shall, to the extent practicable, maintain and operate the air curtain incinerator in a manner consistent with good air pollution control practice for minimizing emissions.

- 4. Permittee with ACIs subject to OAC 252:100-17, Part 9 or 40 CFR Part 60, Subpart CCCC, Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction is Commenced After November 30, 1999 or for Which Modification or Reconstruction is Commenced on or After June 1, 2001, shall comply with:

- a. 40 CFR §60.2250, What Are the Emission Limitations for Air Curtain Incinerators for emission limitations:

- (1) Within 60 days after the ACI reaches the charge rate at which it will operate, but no later than 180 days after its initial startup, meeting:
 - (i) an opacity limitation of 10 percent (six-minute average) during operation; and
 - (ii) an opacity limitation of 35 percent (six-minute average) during the startup period that is within the first 30 minutes of operation during the initial opacity test and annual performance test.
- (2) Except during malfunctions, the requirements of this subsection apply at all times, and each malfunction shall not exceed 3 hours. The EPA defines

- (1) Use Test Method 9 (40 CFR Part 60, Appendix A) to determine compliance with the opacity limitation.
 - (2) Conduct an initial test for opacity as specified in 40 CFR §60.8.
 - (3) Conduct annual tests no more than 12 calendar months following the date of the previous test.
 - (4) Conduct a test for opacity upon startup of the unit if the ACI has been out of operation for more than 12 months following the date of the previous test.
- c. 40 CFR §60.2973(b), (c) and (f), What are the Recordkeeping and Reporting Requirements for Air Curtain Incinerators that Burn Only Wood Waste, Clean Lumber, and Yard Waste for recordkeeping requirements:
- (1) Keep records of results of all initial and annual opacity tests at the location specified in the GOP application in either paper copy or computer-readable format that can be printed upon request, unless the ODEQ approves another format, for at least five years.
 - (2) Make all records available for submittal to the ODEQ or for an inspector's review.
 - (3) Keep a copy of the initial and annual reports for a period of five years.
- d. 40 CFR §60.2973(a)(1) - (3), (d) and (e), for reporting requirements:
- (1) Prior to startup of the ACI, submit:
 - (i) Notification of intent to startup the ACI.
 - (ii) A record of the planned initial startup date.
 - (iii) A record of the types of materials to be burned in the ACI.
 - (2) Submit the results (each six-minute average) of the initial opacity tests no later than 60 days following the initial test and annual opacity test results within 12 months following the previous report.
 - (3) Submit initial and annual opacity test reports as electronic or paper copy on or before the applicable submittal date.
6. 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. [OAC 252:100-8-6 (a)(3)(B)]
- a. Monthly and rolling 12-month totals of the amount of material burned.
 - b. ACI throughput (daily average) in tons per hour.
 - c. Records required by OAC 252:100-17, Part 9 or 40 CFR Part 60, Subpart CCCC.
 - d. Records required by OAC 252:100-17, Part 11 or 40 CFR Part 60, Subpart EEEE.

SECTION III. Internal Combustion Engines

The permittee is authorized to operate an internal combustion engine, as specified in the Authorization. Such engine shall be operated in compliance with any requirements specified in the Authorization, Standard Conditions, and the following terms and conditions:

1. The engine shall be limited to be ≤ 240 hp.
2. The engine shall have a permanent identification plate attached which shows the make, model number, and serial number. [OAC 252:100-45]

- a. §60.4230 Am I subject to this subpart?
- b. The emission standards of §60.4233 and §60.4234.
- c. The fuel requirements of §60.4235.
- d. The deadlines for importing or installing SI ICE produced in the previous model year in accordance with §60.4236.
- e. The monitoring requirements of §60.4237.
- f. The compliance requirements of §60.4243.
- g. The performance test methods and other procedures of §60.4244.
- h. The notification, reporting, and recordkeeping requirements of §60.4245.
- i. §60.4246 What parts of the General Provisions apply to me?
- j. §60.4248 What definitions apply to this subpart?

8. 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 through 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. § 63.6600 What emission limitations and operating limitations must I meet if I own or operate a stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions?
- f. § 63.6601 What emission limitations must I meet if I own or operate a new or reconstructed 4SLB stationary RICE with a site rating of greater than or equal to 250 brake HP and less than or equal to 500 brake HP located at a major source of HAP emissions?
- g. § 63.6602 What emission limitations and other requirements must I meet if I own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions?
- h. § 63.6604 What fuel requirements must I meet if I own or operate a stationary CI RICE?

General Compliance Requirements

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

Testing and Initial Compliance Requirements

- j. § 63.6610 By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate a stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions?
- k. § 63.6611 By what date must I conduct the initial performance tests or other initial compliance demonstrations if I own or operate a new or reconstructed 4SLB SI

suppress dust emission during handling. Adequate containment methods shall be employed during sandblasting or other similar operations.

- d. The covering or wetting of open-bodied trucks, trailers, or railroad cars when transporting dusty materials in areas where the general public must have access.
- e. The removal as necessary from paved street and parking surfaces of materials that have a tendency to become airborne.
- f. The planting and maintenance of vegetative ground cover as necessary.

[OAC 252:100-29-2(b)&100-29-3]

SECTION V. Temporary Sources

A portable source may be transferred from one location to another provided:

- 1. The operation is temporary and involves at least one change of location during the term of the permit.
- 2. The Permittee notifies the permitting authority at least ten (10) days in advance of each change in location.
- 3. The permittee comply with all applicable requirements set forth in this permit at all authorized locations.

[OAC 252:100-8-6.2]

Part 4 - Standard Conditions**SECTION I. DUTY TO COMPLY**

1. This is a permit/authorization to operate/modify the specific facility listed in the Authorization in accordance with Title V of the federal Clean Air Act (42 U.S.C. 7401, et seq.) and under the authority of the Oklahoma Clean Air Act and the rules promulgated there under. [Oklahoma Clean Air Act, 27A O.S. § 2-5-112]

2. The issuing authority for the permit/authorization is the Air Quality Division (AQD) of the Oklahoma Department of Environmental Quality (DEQ). The permit/authorization does not relieve the holder of the obligation to comply with other applicable federal, state, or local statutes, regulations, rules, or ordinances. [Oklahoma Clean Air Act, 27A O.S. § 2-5-112]

3. The permittee shall comply with all conditions of this permit and authorization. Any noncompliance with the permit or authorization shall constitute a violation of the Oklahoma Clean Air Act and shall be grounds for enforcement action, for revocation of the approval to operate under the terms of this permit or the authorization issued under it, or for denial of an application to renew the authorization. All applicable requirements (excluding state-only requirements) are enforceable by the DEQ, by EPA, and by citizens under section 304 of the Clean Air Act. The authorization is only valid for operations at the specific location listed in the authorization. [OAC 252:100-8-1.3 & 8-6 (a)(7)(A) & (b)(1)]

4. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit or authorization. [OAC 252:100-8-6 (a)(7)(B)]

SECTION II. REPORTING OF DEVIATIONS FROM PERMIT TERMS

1. Any exceedance resulting from emergency conditions and/or posing an imminent and substantial danger to public health, safety, or the environment shall be reported in accordance with Section XIV. [OAC 252:100-8-6 (a)(3)(C)(iii) (I)&(II)]

2. Deviations that result in emissions exceeding those allowed in the permit and the authorization issued under it shall be reported as provided in OAC 252:100-9, Excess Emission Reporting Requirements. [OAC 252:100-8-6 (a)(3)(C)(iv)]

3. Every written report submitted under this section shall be certified as required by Section III (Monitoring, Testing, Recordkeeping & Reporting), Paragraph F. [OAC 252:100-8-6(a)(3)(C)(iv)]

SECTION III. MONITORING, TESTING, RECORDKEEPING & REPORTING

1. The permittee shall keep records as specified in the permit and authorization. These records, including monitoring data and necessary support information, shall be retained on-site or at a nearby field office for a period of at least five years from the date of the monitoring sample, measurement, report, or application, and shall be made available for inspection by regulatory personnel upon request. Support information includes all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit and authorization. All records may be maintained in computerized form. [OAC 252:100-8-6 (a)(3)(B)(ii), 8-6 (c)(1), & 8-6 (c)(2)(B)]

10. The reporting of total particulate matter emissions as required in Part 7 of OAC 252:100-8 (Permits for Part 70 Sources), OAC 252:100-19 (Control of Emission of Particulate Matter), and OAC 252:100-5 (Emission Inventory), shall be conducted in accordance with applicable testing or calculation procedures, modified to include back-half condensables, for the concentration of particulate matter less than 10 microns in diameter (PM₁₀). NSPS may allow reporting of only particulate matter emissions caught in the filter (obtained using Reference Method 5).

11. The permittee shall submit to the AQD a copy of all reports submitted to the EPA as required by 40 CFR Part 60, 61, and 63, for all equipment operated under this permit and authorization subject to such standards.

[OAC 252:100-8-6(c)(1) & OAC 252:100, Appendix Q]

SECTION IV. COMPLIANCE CERTIFICATIONS

1. No later than 30 days after each anniversary date of the issuance of the initial authorization to operate under the terms of the original General Operating Permit or the date of issuance of the original Part 70 operating permit, the permittee shall submit to the AQD, with a copy to the US EPA, Region 6, a certification of compliance with the terms and conditions of this permit, the authorization, and of any other applicable requirements which have become effective since the issuance of this permit.

[OAC 252:100-8-6 (c)(5)(A) & (D)]

2. The compliance certification shall describe the operating permit or authorization term or condition that is the basis of the certification; the current compliance status; whether compliance was continuous or intermittent; the methods used for determining compliance, currently and over the reporting period; and a statement that the facility will continue to comply with all applicable requirements. The compliance certification shall also include such other facts as the permitting authority may require to determine the compliance status of the source.

[OAC 252:100-8-6 (c)(5)(C)(i)-(v)]

3. The compliance certification shall contain a certification by a responsible official as to the results of the required monitoring. This certification shall be signed by a responsible official, and shall contain the following language: "I certify, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete."

[OAC 252:100-8-5 (f) & OAC 252:100-8-6 (c)(1)]

4. Any facility reporting noncompliance shall submit a schedule of compliance for emissions units or stationary sources that are not in compliance with all applicable requirements. This schedule shall include a schedule of remedial measures, including an enforceable sequence of actions with milestones, leading to compliance with any applicable requirements for which the emissions unit or stationary source is in noncompliance. This compliance schedule shall resemble and be at least as stringent as that contained in any judicial consent decree or administrative order to which the emissions unit or stationary source is subject. Any such schedule of compliance shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based, except that a compliance plan shall not be required for any noncompliance condition which is corrected within 24 hours of discovery.

[OAC 252:100-8-5(e)(8)(B) and OAC 252:100-8-6(c)(3)]

SECTION V. REQUIREMENTS THAT BECOME APPLICABLE DURING THE PERMIT TERM

1. The permittee shall comply with any additional requirements that become effective during the permit term and that are applicable to the facility. Compliance with all new requirements shall be certified in the next annual compliance certification.

[OAC 252:100-8-6 (c)(6)]

SECTION VI. PERMIT SHIELD

1. Compliance with the terms and conditions of this permit and authorization (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC 252:100-8) shall be deemed compliance with the applicable requirements identified and included in this permit.

[OAC 252:100-8-6 (d)(1)]

2. Those requirements that are applicable are listed in the Standard Conditions and the Specific Conditions of this permit. Those requirements that the applicant requested be determined as not applicable are listed in the authorization.

[OAC 252:100-8-6 (d)(2)]

3. Notification to the AQD of the sale or transfer of ownership of this facility is required and shall be made in writing within 10 days after such date. [Oklahoma Clean Air Act, 27A O.S. § 2-5-112 (G)]

SECTION XII. REOPENING, MODIFICATION & REVOCATION

1. The permit or authorization may be modified, revoked, reopened and reissued, or terminated for cause. Except as provided for minor permit modifications, the filing of a request by the permittee for a permit/authorization modification, revocation, reissuance, termination, notification of planned changes, or anticipated noncompliance does not stay any condition of the permit or authorization. [OAC 252:100-8-6 (a)(7)(C) & OAC 252:100-8-7.2 (b)]

2. The DEQ will reopen and revise or revoke this permit and authorizations issued under it as necessary to remedy deficiencies in the following circumstances: [OAC 252:100-8-7.3 & -8-7.4]

- a. Additional requirements under the Clean Air Act become applicable to a major source category three or more years prior to the expiration date of this permit. No such reopening is required if the effective date of the requirement is later than the expiration date of this permit.
- b. The DEQ or the EPA determines that this permit contains a material mistake or that the permit must be revised or revoked to assure compliance with the applicable requirements.
- c. The DEQ determines that inaccurate information was used in establishing the emission standards, limitations, or other conditions of this permit. The DEQ may revoke and not reissue an authorization issued under this permit if it determines that the permittee has submitted false or misleading information to the DEQ.
- d. DEQ determines that the permit should be amended under the discretionary reopening provisions of OAC 252:100-8-7.3(b).

3. The permit may be reopened for cause by EPA, pursuant to the provisions of OAC 100-8-7.3(d). [OAC 100-8-7.3(d)]

4. To make changes other than (1) those described in Section XVIII (Operational Flexibility), (2) administrative permit amendments, and (3) those not defined as an Insignificant Activity (Section XVI) or Trivial Activity (Section XVII), the permittee shall notify AQD. Such changes may require a modification of an authorization issued under this permit. [OAC 252:100-8-7.2(b) and OAC 252:100-5-1.1]

5. Activities that will result in air emissions that exceed the trivial/insignificant levels and that are not specifically approved by this permit or authorization are prohibited. [OAC 252:100-8-6(c)(6)]

SECTION XIII. INSPECTION & ENTRY

1. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized regulatory officials to perform the following (subject to the permittee's right to seek confidential treatment pursuant to 27A O.S. Supp. 1998, § 2-5-105(18) for confidential information submitted to or obtained by the DEQ under this section):

- a. enter upon the permittee's premises during reasonable/normal working hours where a source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit and authorization;
- b. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit or authorization;
- c. inspect, at reasonable times and using reasonable safety practices, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit or authorization; and
- d. as authorized by the Oklahoma Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or authorization. [OAC 252:100-8-6 (c)(2)]

SECTION XIV. EMERGENCIES

inconsequential and are on the list in Appendix J. Any activity to which a state or federal applicable requirement applies is not trivial even if included on the trivial activities list. [OAC 252:100-8-2 and OAC 252:100, Appendix J]

SECTION XVIII. OPERATIONAL FLEXIBILITY

1. A facility may implement any operating scenario allowed for in this permit or an authorization issued under this permit without the need for revision of the permit or authorization or any notification to the DEQ (unless specified otherwise in the permit or authorization). When an operating scenario is changed, the permittee shall record in a log at the facility the scenario under which it is operating.

[OAC 252:100-8-6 (a)(10) & 8-6 (f)(1)]

2. The permittee may make changes within the facility that:

- a. result in no net emissions increases,
- b. are not modifications under any provision of Title I of the federal Clean Air Act, and
- c. do not cause any hourly or annual permitted emission rate of any existing emissions unit to be exceeded;

provided that the facility provides the EPA and the DEQ with written notification as required below in advance of the proposed changes, which shall be a minimum of 7 days, or 24 hours for emergencies as defined in OAC 252:100-8-6 (e). The permittee, the DEQ, and the EPA shall attach each such notice to their copy of the authorization. For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any term or condition of the permit or authorization that is no longer applicable as a result of the change. The permit shield provided by this permit and authorizations issued under it does not apply to any change made pursuant to this subsection.

[OAC 252:100-8-6(f)(2)]

SECTION XIX. OTHER APPLICABLE & STATE-ONLY REQUIREMENTS

1. The following applicable requirements and state-only requirements apply to the facility unless elsewhere covered by a more restrictive requirement:

- a. 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]
- b. No particulate emissions from any fuel-burning equipment with a rated heat input of 10 MMBTUH or less shall exceed 0.6 lb/MMBTU. [OAC 252:100-19]
- d. For all emissions units not subject to an opacity limit promulgated under 40 CFR, Part 60, NSPS, 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]
- e. 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]
- f. No SO₂ emissions from new gas-fired fuel-burning equipment shall exceed 0.2 lb/MMBTU. No source shall exceed the listed ambient air standards for sulfur dioxide. [OAC 252:100-31-7]
- g. 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]

SECTION XX. STRATOSPHERIC OZONE PROTECTION

1. The permittee shall comply with the following standards for production and consumption of ozone-depleting substances. [40 CFR 82, Subpart A]

- a. Persons producing, importing, or placing an order for production or importation of certain class I and class II substances, HCFC-22, or HCFC-141b shall be subject to the requirements of §82.4.
- b. Producers, importers, exporters, purchasers, and persons who transform or destroy certain class I and class II

3. EPA and affected state notification. Minor modifications of an authorization to operate under this general permit are not subject to EPA and affected state notifications. [OAC 252:100-8-7.2 (b)(1)(C)]
4. Within 90 days of the DEQ's receipt of a complete application for a minor modification of an authorization to operate under this general permit the DEQ shall:
 - a. Issue a new authorization incorporating the minor modification;
 - b. Deny the minor modification application; or
 - c. Determine that the requested modification does not meet the minor permit modification criteria and should be reviewed under the significant modification procedures or administrative amendment procedures. [OAC 252:100-8-7.2 (b)(1)(D)(i-iii)]
5. Immediately after filing an application meeting the requirements of the minor permit modification procedures, the source is authorized to make the change or changes proposed in the application. After the source makes the change and until the DEQ takes any of the actions specified in OAC 252:100-8-7.2 (b)(1)(D)(i-iii), the source must comply with the applicable requirements and state-only requirements governing the change and the proposed terms and conditions of the authorization. During this period, the source need not comply with the existing terms and conditions it seeks to modify. However, if the source fails to comply with its proposed terms and conditions of the modified authorization during this time period, the existing terms and conditions of the authorization it seeks to modify may be enforced against it. [OAC 252:100-8-7.2 (b)(1)(E)]
6. The permit shield under OAC 252:100-8-6 (d) does not extend to minor modifications of an authorization to operate under this general permit. [OAC 252:100-8-7.2 (b)(1)(F)]
7. The permittee assumes the risk of losing any investment it makes toward implementing a modification prior to receiving a modified authorization to operate under the general permit. The DEQ will not consider the possibility of the permittee suffering financial loss due to such investment when deciding whether to approve, deny, or approve the modified authorization. [OAC 252:100-8-7.2 (b)(1)(G)]