



Maricopa County

Air Quality Department

AIR QUALITY DEPARTMENT
1001 North Central Avenue
Phoenix, AZ 85004

STATE FARM MUTUAL AUTOMOBILE INSURANCE COMPANY
ATTN: DAVE CARLSON
454 S. 56TH STREET
PHOENIX, AZ 85034

The purpose of the letter is to inform you that the application for a permit renewal has been approved and will be incorporated into Air Quality Permit 980444. The applicable Permit Conditions are enclosed with this letter.

If you need assistance with the permit, please contact the Small Business Assistance Coordinator office at 602.506.5102 or contact the undersigned at 602.506.7248. Email communications may be sent to AQPermits@mail.maricopa.gov.

MARICOPA COUNTY AIR QUALITY DEPARTMENT

Engineering and Permitting Division

1001 N. Central Avenue, Suite 400, Phoenix, Arizona 85004

Phone: (602) 506-6010

Fax: (602) 506-6985

AIR QUALITY PERMIT TO OPERATE AND/OR CONSTRUCT

(As required by Title 49, Chapter 3, Article 2, Section 49-480, Arizona Revised Statutes)

ISSUED TO

State Farm Mutual Automobile Insurance Company

424 S. 56th Street

Phoenix 85034

This air quality permit to operate and/or construct does not relieve the applicant of the responsibility of meeting all air pollution regulations.

THE PERMITTEE IS SUBJECT TO THE SPECIFIC AND GENERAL CONDITIONS IDENTIFIED IN THIS PERMIT.

PERMIT NUMBER: 980444

REVISION DATE: xx/xx/xxxx

REVISION NUMBER: 3.0.0.0

EXPIRATION DATE: 2/29/2020

Todd Martin, Non-Title V Permit Supervisor

TABLE OF CONTENTS

SPECIFIC CONDITIONS.....1

EMERGENCY ENGINES1

1. Operational Limitations:.....1

2. Fuel Limitations:1

3. Monitoring:.....1

4. Opacity:1

5. New Source Performance Standards:1

6. Best Available Control Technology (BACT):.....1

7. Source Specific BACT Determination:2

8. Recordkeeping:.....2

9. Emergency Provisions:.....2

BOILERS2

10. Operational Limitations:.....2

GENERAL CONDITIONS3

11. Posting of Permit:3

12. Compliance:.....3

13. Malfunctions, Emergency Upsets, and Excess Emissions:3

14. Revision / Reopening / Revocation:3

15. Records:.....3

16. Right to Entry:4

17. Severability:.....4

Any cited regulatory paragraphs or section numbers refer to the version of the rules and regulations that were in effect on the first date of public notice of the applicable Permit Condition unless specified otherwise. However, in the event the rules and regulations are amended during the term of this Permit, the amended rules and regulations shall apply to this Permit. Whenever the term, Control Officer, is used in this Permit it shall be interpreted to mean, Control Officer or designated representative. Where the term "Rule" appears, it shall be construed to mean "Maricopa County Air Pollution Control Regulations" unless otherwise noted.

SPECIFIC CONDITIONS

EMERGENCY ENGINES

1. Operational Limitations:

- a. The Permittee shall limit the operation of each emergency engine to no more than 100 hours each per calendar year for the purposes of maintenance checks and readiness testing.
[Rule 324 §§104.5, 205]
- b. The Permittee shall limit the total hours of operation of each emergency engine to no more than 500 hours each per any twelve consecutive months including the hours listed in Subpart [a] above.
[SIP Rule 324 §205]
- c. The emergency engine(s) shall not be used for peak shaving. The emergency engine(s) shall only be used for the following purposes:
 - i. For power when normal power service fails from the serving utility or if onsite electrical transmission or onsite power generation equipment fails;
 - ii. Reliability-related activities such as engine readiness, calibration, or maintenance or to prevent the occurrence of an unsafe condition during electrical system maintenance as long as the total number of hours of the operation does not exceed 100 hours per calendar year per engine as evidenced by an installed non-resettable hour meter;
[SIP Rule 324 §104]

2. Fuel Limitations:

The Permittee shall not use any fuel that contains more than 0.05% sulfur by weight, alone or in combination with other fuels.
[SIP Rule 324 §301.1]

3. Monitoring:

The Permittee shall install a non-resettable hour meter prior to startup of the engine(s). The Permittee shall not operate the engine(s) unless the cumulative run time meter is installed and working properly.
[Rule 220 §302.4]

4. Opacity:

- a. The Permittee shall not discharge into the ambient air from any single source of emissions any air contaminant, other than uncombined water, in excess of 20% opacity.
- b. Compliance with visible emissions shall be determined using the techniques specified in EPA Reference Method 9, 40 CFR Part 60, Appendix A.
[SIP Rule 324 §§303, 503.8]

5. New Source Performance Standards:

- a. If the Permittee modifies or reconstructs a stationary compression ignition internal combustion engine after July 11, 2005, that engine shall comply with all applicable requirements of 40 CFR 60 Subpart III.
[40 CFR §60.4200(a)(3)]

6. Best Available Control Technology (BACT):

The Permittee shall apply BACT for each pollutant emitted which exceeds the threshold limits set forth in the following criteria:

- a. 25 tons/yr of volatile organic compounds, nitrogen oxides, sulfur dioxide, or more than 15 tons/yr of PM10; more than 100 tons/yr of carbon monoxide; more than 10 tons/yr of PM2.5; or more than 0.3 tons/yr of lead.
- b. If any modification causes an increase the sources maximum capacity to emit of more than 25 tons/yr of volatile organic compounds, nitrogen oxides, sulfur dioxide, or more than 15 tons/yr of PM10; more than 100 tons/yr of carbon monoxide; more than 10 tons/yr of PM2.5; or more than 0.3 tons/yr of lead. BACT is only required for the emission unit or group of emission units being modified.

[Rule 241 §304]

7. Source Specific BACT Determination:

For this permit, the manufacturer's emissions data for NO_x was determined to be BACT for the diesel fueled emergency generators. The source is responsible for maintaining the generators so that the allowable emission limits and standards in this permit are not exceeded. This includes regular maintenance per manufacturer's recommendation.

The Permittee shall maintain the engines to meet the following emission rates:

Pollutant	Emission Rate	Units
NO _x	31.2	Lbs/hr
CO	4.6	Lbs/hr
VOC	1.3	Lbs/hr

[Rule 241 §306]

8. Recordkeeping:

- a. The Permittee shall maintain the following records for a period of at least five years from the date of the records and make them available to the Control Officer upon request:
 - i. An initial one time entry listing the particular engine combustion type (compression or spark-ignition or rich or lean burn); manufacturer; model designation, rated brake horsepower, serial number and where the engine is located on the site.
 - ii. Monthly rolling twelve month total of hours of operation, including hours of operation for testing, reliability and maintenance.
 - iii. Fuel type and sulfur content of fuel. The Permittee shall maintain fuel receipts, contract specifications, pipeline meter tickets, Material Safety Data Sheets (MSDS), fuel supplier information or purchase records, if applicable, from the fuel supplier, indicating the sulfur content of the fuel oil. In lieu of these, testing of the fuel oil for sulfur content to meet the applicable sulfur limit shall be permitted as evidence of compliance.
 - iv. An explanation for the use of the engine if it is used as an emergency engine.

9. Emergency Provisions:

The Permittee shall comply with all record keeping and reporting requirements of Rule 130 (Emergency Provisions) and Rule 140 (Excess Emissions) if the allowable hours of operation are exceeded.

[Rule 130; Rule 140]

BOILERS

10. Operational Limitations:

- a. The Permittee may only use natural gas, butane and propane as fuels for boilers and heaters, except as described below:
 - i. In the event of temporary suspension of the delivery of natural gas, fuel oil may be used as an

alternative fuel for the boilers. The Permittee shall only burn liquid fuel oil or a mixture or blend of fuel oil with any other fuels containing less than or equal to 0.05 % by weight of sulfur.

[Rule 220 §302.2]

GENERAL CONDITIONS

11. Posting of Permit:

This Permit shall be posted in a clearly visible and accessible location on the site where the equipment is installed.

[Rule 200 §312]

12. Compliance:

a. The issuance of any Permit or Permit revision shall not relieve the Permittee from compliance with any Federal laws, Arizona laws, or the County or SIP Rules, nor does any other law, regulation or permit relieve the Permittee from obtaining a Permit or Permit revision required under the County Rules.

[Rule 200 §309][Rule 220 §406.3][Locally Enforceable Only]

b. The Permittee shall comply with all conditions of this Permit including all applicable requirements of Federal laws, Arizona laws, and Maricopa County Air Pollution Control Rules and Regulations now in effect and as amended in the future. Any Permit noncompliance is grounds for enforcement action, Permit termination or revocation, or for denial of a renewal application. In addition, non-compliance with any federally enforceable requirements constitutes a violation of the Clean Air Act.

[A.A.C. R18-2-306.A.8.a][Locally Enforceable Only]

c. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with these Permit Conditions.

[Rule 220 §302.10][A.A.C. R18-2-306.A.8.b][Locally Enforceable Only]

d. Rights and Privileges: This Permit does not convey any property rights or exclusive privilege of any sort.

[Rule 220 §302.12][Locally Enforceable Only]

e. Fees: The Permittee shall pay all fees to the Control Officer in accordance with Rule 280. No permit or permit revision is valid until the applicable permit fee has been received and until the permit is issued by the Control Officer.

[Rule 200 §409][Rule 280 §302][A.R.S. 49-480(D)][SIP Rule 28]

13. Malfunctions, Emergency Upsets, and Excess Emissions:

An affirmative defense of an emergency, excess emission, and/or during startup and shutdown shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence as outlined in Rule 130 for emergencies and Rule 140 for excess emissions.

[Rule 130 §§201, 400][Rule 140 §§400, 500][SIP Rule 140]

14. Revision / Reopening / Revocation:

The Permit may be revised, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a permit revision, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any Permit Condition.

[Rule 220 §302.11][Locally Enforceable Only]

15. Records:

a. The Permittee shall furnish information that the Control Officer may request in writing to determine whether cause exists for revising, revoking and reissuing this permit, or terminating this permit, or to determine compliance with this permit. The information shall be provided in a timeframe specified by the Control Officer. Upon request, the Permittee shall also furnish to the Control Officer copies of records required to be kept by this Permit. For information claimed to be confidential, the Permittee shall furnish a copy of such records directly to the Administrator along with a claim of confidentiality.

[Rule 220 §302.13][SIP Rule 40]

b. If the Permittee fails to submit any relevant facts or has submitted incorrect information in a permit

application, the Permittee shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information. In addition, the Permittee shall provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application is filed but prior to release of a proposed permit. Willful misrepresentation of facts in a permit application is cause for revocation or denial of a permit.

[Rule 220 §§301.5, 301.6][Locally Enforceable Only]

16. Right to Entry:

- a. The Control Officer during reasonable hours, for the purpose of enforcing and administering County or SIP Rules or the Clean Air Act, or any provision of the Arizona Revised Statutes relating to the emission or control prescribed pursuant thereto, may enter every building, premises, or other place, except the interior of structures used as private residences. Every person is guilty of a petty offense under A.R.S. 49-488 who in any way denies, obstructs or hampers such entrance or inspection that is lawfully authorized by warrant.
- b. The Permittee shall allow the Control Officer or his designated representatives, upon presentation of proper credentials (e.g., Maricopa County Air Quality Department identification) and other documents as may be required by law, to:
 - i. Enter upon the Permittee's premises where a source is located or emissions-related activity is conducted, or where records are required to be kept pursuant to the conditions of the permit;
 - ii. Have access to and copy, at reasonable times, any records that are required to be kept pursuant to the conditions of the permit;
 - iii. Inspect, at reasonable times, any sources, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required pursuant to this permit;
 - iv. Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the Permit or other applicable requirements; and
 - v. To record any inspection by use of written, electronic, magnetic, and photographic media.

[Rule 100 §105][Rule 220 §302.17-21][SIP Rule 43]

17. Severability:

The rules, paragraphs, clauses, provisions, and/or sections of this Permit are severable, and, if any rule, paragraph, clause, provision, and/or section of this Permit is held invalid, the remainder of this Permit shall not be affected thereby.

[Rule 220 §302.9][SIP Rule 80]

Equipment List

STATE FARM INSURANCE COMPANY

Permit Number 980444

Date Issued: 02/03/00

Revision: 3.0.0.0

Equipment Description	Rated Capacity	Quantity Exist/Future
1. EMERGENCY GENERATOR - DIESEL FIRED, CATERPILLAR 3516B, INSTALLED 1/97	2,636.00 HP	6 /
2. BOILER - DONLEE - YORK/SHIPLEY NATURAL GAS / DIESEL, INSTALLED 1/97	1.50 MM BTU/HR	2 /
De Minimis Equipment:		
1. TANK, ABOVEGROUND STORAGE - DIESEL, INSTALL 1/97	20,000.00 GALLON(S)	2 /
2. HEATER - COMFORT HEATER, SOLARONICS, INSTALLED 1/97	60,000.00 BTU/HR	7 /