



ACID RAIN 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.: 2025-0290-AR Term : 5 years from issuance date below

Facility Name: Tinker Turbines ORIS Code: 63628

Facility Location: Midwest City, Oklahoma County, Oklahoma

Company Name: Oklahoma Gas & Electric Co.

Contact: Brian McKibben (405) 553-3064

Mailing Address: OG&E, P.O. Box 321, MC610, Oklahoma City, OK 73005

This Permit is issued pursuant to **OAC 252:100-8-6.3** and **Title IV of the Clean Air Act** subject to the permit application attached by reference. The owner and operator of the source shall comply with the standard requirements and special provisions set forth in the permit application under 40 CFR §72.31. This permit is deemed to incorporate the definitions of terms under 40 CFR §72.2. Per 40 CFR §72.51, each affected unit operated in accordance with this permit shall be deemed to be operating in compliance with the Acid Rain Program, except as provided in 40 CFR §72.9(g)(6).

Units	SO ₂ Allowance (TPY)
1A	Unit Will Hold Allowances in Accordance with 40 CFR §72.9(c)(1).
2A	Unit Will Hold Allowances in Accordance with 40 CFR §72.9(c)(1).

Director, Air Quality Division

Date

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

MEMORANDUM

July 30, 2025

TO: Phillip Fielder, P.E., Chief Engineer

THROUGH: Eric L. Milligan, P.E., Engineering Manager, Engineering Section

THROUGH: Junru Wang, P.E., Existing Source Permits Section

FROM: Alex Johnson, E.I., New Source Permits Section

SUBJECT: Evaluation of Permit Application No. **2025-0290-AR**
Oklahoma Gas & Electric Co.
Section 24, T11N, R2W
Latitude: 35.41429 Longitude: -97.37085
Tinker Turbines, Oklahoma County
Facility ID: 1212
Address: 5100 S Douglas Blvd., Oklahoma City, OK, 73150

INTRODUCTION

Oklahoma Gas & Electric Co. (OG&E or the applicant) has requested a new Acid Rain permit for the referenced facility pursuant to Title IV of the Clean Air Act and implementing regulations found in 40 CFR Parts 72 through 78. The facility is not currently operating under an acid rain permit.

The applicant will hold SO₂ allowance for each affected unit per year in accordance with 40 CFR §72.9(c)(1). Allowances can be traded, bought, and sold. Therefore, the actual allowances held by an affected unit may change which will not necessitate a revision to the permit.

TIER CLASSIFICATION AND PUBLIC REVIEW

This application has been classified as **Tier II** as an acid rain permit that is independent of a Part 70 permit application (252:4-7-33(b)(1)(E)).

The applicant published a “Notice of Filing a Tier II Application” in *The Oklahoman*, a daily newspaper in Oklahoma County, Oklahoma, on June 12, 2025. The notice stated that the application could be reviewed at the Midwest City Library or at the Air Quality Division’s main office.

The applicant will publish the “Notice of Tier II Draft Permit” as a legal notice in a newspaper of general circulation in the area where the source is located. The notice of draft permit will state that the draft permit will be available for public review at a location in the county where the facility is

located, and that the draft permit will also be available for public review at the Air Quality Division main office and on the Air Quality section of the DEQ web page at <https://www.deq.ok.gov>. The draft permit will be available for a 30-day public review period.

STATES REVIEW

The facility is not located within 50 miles of the border of the state of Oklahoma and any other state.

LANDOWNER NOTIFICATION

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 has a current lease for the property.

TRIBAL REVIEW

Tribal Nations will be notified of the draft permit.

EPA REVIEW

This permit will undergo concurrent public and EPA review periods. The draft/proposed permit will be sent to EPA for a 45-day review period. If no comments are received from the public, the draft/proposed permit will be deemed the proposed permit.

PUBLIC PETITION

If the Administrator does not object in writing during the 45-day EPA review period, any person that meets the requirements of OAC 252:100-8-8(j) may petition the Administrator within 60 days after the expiration of the Administrator's 45-day review period to make such objection. Any such petition shall be based only on objections to the permit that the petitioner raised with reasonable specificity during the public comment period provided for in 27A O.S. § 2-14-302.A.2, unless the petitioner demonstrates that it was impracticable to raise such objections within such period, or unless the grounds for such objection arose after such period. If the Administrator objects to the permit as a result of a petition filed under OAC 252:100-8-8(j), the DEQ shall not issue the permit until EPA's objection has been resolved, except that a petition for review does not stay the effectiveness of a permit or its requirements if the permit was issued after the end of the 45-day review period and prior to an EPA objection. If the DEQ has issued a permit prior to receipt of an EPA objection under OAC 252:100-8-8(j), the DEQ will modify, terminate, or revoke such permit, and shall do so consistent with the procedures in 40 CFR §§ 70.7(g)(4) or (5)(i) and (ii) except in unusual circumstances. If the DEQ revokes the permit, it may thereafter issue only a revised permit that satisfies EPA's objection. In any case, the source will not be in violation of the requirement to have submitted a timely and complete application.

RATA TEST

Units 1A and 2A are required to conduct yearly RATA testing to comply with this permit.

FEES PAID

No fee is required.

SUMMARY

There are no active Compliance or Enforcement Air Quality issues concerning this facility. Issuance of the permit is recommended, contingent on public, Tribal Nation, and EPA review.

Oklahoma Gas & Electric Co.
Attn: Brian McKibben
P.O. Box 321, MC610
Oklahoma City, OK 73101

SUBJECT: Acid Rain Permit No. 2025-0290-AR
Oklahoma Gas & Electric Co.
Tinker Turbines, Oklahoma County
Facility ID: 1212

Dear Mr. McKibben:

Enclosed is the permit authorizing operation of the referenced facility per 40 CFR §72.73. Thank you for your cooperation in this matter. If we may be of further service, please contact our office at (405) 702-4100.

Sincerely,

Phillip Fielder, P.E.
Chief Engineer
AIR QUALITY DIVISION

enclosure

cc: U.S. EPA Region 6 @ (R6Part75@epa.gov)

Department of Environmental Quality (DEQ)
Air Quality Division (AQD)
Acronym List
11-21-2024

ACFM	Actual Cubic Feet per Minute	GEP	Good Engineering Practice
AD	Applicability Determination	GHG	Greenhouse Gases
AFRC	Air-to-Fuel Ratio Controller	GR	Grain(s) (gr)
API	American Petroleum Institute		
ASTM	American Society for Testing and Materials	H₂CO	Formaldehyde
AVO	Audio, Visual, or Olfactory	H₂S	Hydrogen Sulfide
		HAP	Hazardous Air Pollutants
BACT	Best Available Control Technology	HC	Hydrocarbon
BAE	Baseline Actual Emissions	HCFC	Hydrochlorofluorocarbon
BBL	Barrel(s)	HFR	Horizontal Fixed Roof
BHP	Brake Horsepower (bhp)	HON	Hazardous Organic NESHAP
BTEX	Benzene, Toluene, Ethylbenzene, Xylene	HP	Horsepower (hp)
BTU	British thermal unit (Btu)	HR	Hour (hr)
		I&M	Inspection and Maintenance
C&E	Compliance and Enforcement	IBR	Incorporation by Reference
CAA	Clean Air Act	ICE	Internal Combustion Engine
CAM	Compliance Assurance Monitoring		
CAS	Chemical Abstract Service	LAER	Lowest Achievable Emission Rate
CAAA	Clean Air Act Amendments	LB	Pound(s) [Mass] (lb, lbs, lbm)
CC	Catalytic Converter	LB/HR	Pound(s) per Hour (lb/hr)
CCR	Continuous Catalyst Regeneration	LDAR	Leak Detection and Repair
CD	Consent Decree	LNG	Liquefied Natural Gas
CEM	Continuous Emission Monitor	LT	Long Ton(s) (metric)
CFC	Chlorofluorocarbon	LPE	Legally and Practicably Enforceable
CFR	Code of Federal Regulations		
CI	Compression Ignition	M	Thousand (Roman Numeral)
CNG	Compressed Natural Gas	MAAC	Maximum Acceptable Ambient Concentration
CO	Carbon Monoxide or Consent Order	MACT	Maximum Achievable Control Technology
COA	Capable of Accommodating	MM	Prefix used for Million (Thousand-Thousand)
COM	Continuous Opacity Monitor	MMBTU	Million British Thermal Units (MMBtu)
D	Day	MMBTUH	Million British Thermal Units per Hour (MMBtu/hr)
DEF	Diesel Exhaust Fluid	MMSCF	Million Standard Cubic Feet (MMscf)
DG	Demand Growth	MMSCFD	Million Standard Cubic Feet per Day
DSCF	Dry Standard (At Standard Conditions) Cubic Foot (Feet)	MSDS	Material Safety Data Sheet
		MWC	Municipal Waste Combustor
EGU	Electric Generating Unit	MWe	Megawatt Electrical
EI	Emissions Inventory		
EPA	Environmental Protection Agency	NA	Nonattainment
ESP	Electrostatic Precipitator	NAAQS	National Ambient Air Quality Standards
EUG	Emissions Unit Group	NAICS	North American Industry Classification System
EUSGU	Electric Utility Steam Generating Unit		
		NESHAP	National Emission Standards for Hazardous Air Pollutants
FCE	Full Compliance Evaluation		
FCCU	Fluid Catalytic Cracking Unit	NH₃	Ammonia
FEL	Federally Enforceable Limit(s)	NMHC	Non-methane Hydrocarbon
FIP	Federal Implementation Plan	NGL	Natural Gas Liquids
FR	Federal Register	NO₂	Nitrogen Dioxide
		NO_x	Nitrogen Oxides
GACT	Generally Achievable Control Technology	NOI	Notice of Intent
GAL	Gallon (gal)	NSCR	Non-Selective Catalytic Reduction
GDF	Gasoline Dispensing Facility		

NSPS	New Source Performance Standards	SIP	State Implementation Plan
NSR	New Source Review	SNCR	Selective Non-Catalytic Reduction
O₃	Ozone	SO₂	Sulfur Dioxide
O&G	Oil and Gas	SO_x	Sulfur Oxides
O&M	Operation and Maintenance	SOP	Standard Operating Procedure
O&NG	Oil and Natural Gas	SRU	Sulfur Recovery Unit
OAC	Oklahoma Administrative Code	T	Tons
OC	Oxidation Catalyst	TAC	Toxic Air Contaminant
OGI	Optical Gas Imaging	TEG	Triethylene Glycol
PAH	Polycyclic Aromatic Hydrocarbons	THC	Total Hydrocarbons
PAE	Projected Actual Emissions	TPY	Tons per Year
PAL	Plant-wide Applicability Limit	TRS	Total Reduced Sulfur
Pb	Lead	TSP	Total Suspended Particulates
PBR	Permit by Rule	TV	Title V of the Federal Clean Air Act
PCB	Polychlorinated Biphenyls	µg/m³	Micrograms per Cubic Meter
PCE	Partial Compliance Evaluation	US EPA	U. S. Environmental Protection Agency
PEA	Portable Emissions Analyzer	VFR	Vertical Fixed Roof
PFAS	Per- and Polyfluoroalkyl Substance	VMT	Vehicle Miles Traveled
PM	Particulate Matter	VOC	Volatile Organic Compound
PM_{2.5}	Particulate Matter with an Aerodynamic Diameter <= 2.5 Micrometers	VOL	Volatile Organic Liquid
PM₁₀	Particulate Matter with an Aerodynamic Diameter <= 10 Micrometers	VRT	Vapor Recovery Tower
POM	Particulate Organic Matter or Polycyclic Organic Matter	VRU	Vapor Recovery Unit
ppb	Parts per Billion	YR	Year
ppm	Parts per Million	2SLB	2-Stroke Lean Burn
ppmv	Parts per Million Volume	4SLB	4-Stroke Lean Burn
ppmvd	Parts per Million Dry Volume	4SRB	4-Stroke Rich Burn
PSD	Prevention of Significant Deterioration		
psi	Pounds per Square Inch		
psia	Pounds per Square Inch Absolute		
psig	Pounds per Square Inch Gage		
RACT	Reasonably Available Control Technology		
RATA	Relative Accuracy Test Audit		
RAP	Regulated Air Pollutant or Reclaimed Asphalt Pavement		
RFG	Refinery Fuel Gas		
RICE	Reciprocating Internal Combustion Engine		
RO	Responsible Official		
ROAT	Regional Office at Tulsa		
RVP	Reid Vapor Pressure		
SCC	Source Classification Code		
SCF	Standard Cubic Foot		
SCFD	Standard Cubic Feet per Day		
SCFM	Standard Cubic Feet per Minute		
SCR	Selective Catalytic Reduction		
SER	Significant Emission Rate		
SI	Spark Ignition		
SIC	Standard Industrial Classification		

Oklahoma Gas & Electric Co.
Attn: Brian McKibben
P.O. Box 321, MC610
Oklahoma City, OK 73101

SUBJECT: Acid Rain Permit No. 2025-0290-AR
Oklahoma Gas & Electric Co.
Tinker Turbines, Oklahoma County
Facility ID: 1212

Dear Mr. McKibben:

Air Quality has received the permit application for the referenced facility and completed initial review. This application has been determined to be a Tier II application. In accordance with 27A O.S. 2-14-301 and 302 and OAC 252:4-7-13(c), the enclosed draft permit is now ready for public review. The requirements for public review of the draft permit 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 (Instructions enclosed);
2. Submit sample notice and provide date of publication to **AQD 5 days prior to notice publishing;**
3. Provide for public review, for a period of 30 days following the date of the newspaper announcement, a copy of the application and draft permit at a convenient location (preferentially at a public location) within the county of the facility;
4. Send AQD a signed affidavit of publication for the notice(s) from Item #1 above within 20 days of publication of the draft permit. Any additional comments or requested changes you have for the draft permit or the application should be submitted within 30 days of publication.

Thank you for your cooperation. If you have any questions, please refer to the permit number above and contact me or the permit writer at (405) 702-4100.

Sincerely,



Phillip Fielder, P.E.
Chief Engineer
AIR QUALITY DIVISION

NOTICE OF DRAFT PERMIT TIER II or TIER III AIR QUALITY PERMIT APPLICATION

APPLICANT RESPONSIBILITIES

Permit applicants are required to give public notice that a Tier II or Tier III draft permit has been prepared by DEQ. The notice must be published in one newspaper local to the site or facility. Note that if either the applicant or the public requests a public meeting, this must be arranged by the DEQ.

1. Complete the public notice using the samples provided by AQD below. Please use the version applicable to the requested permit action;
Version 1 – Traditional NSR process for a construction permit
Version 2 – Enhanced NSR process for a construction permit
Version 3 – initial Title V (Part 70 Source) operating permit, Title V operating permit renewal, Significant Modification to a Title V operating permit, and any Title V operating permit modification incorporating a construction permit that followed Traditional NSR process
2. Determine appropriate newspaper local to facility for publishing;
3. Submit sample notice and provide date of publication to AQD 5 days prior to notice publishing;
4. Upon publication, a signed affidavit of publication must be obtained from the newspaper and sent to AQD.

REQUIRED CONTENT (27A O.S. § 2-14-302 and OAC 252:4-7-13(c))

1. A statement that a Tier II or Tier III draft permit has been prepared by DEQ;
2. Name and address of the applicant;
3. Name, address, driving directions, legal description and county of the site or facility;
4. The type of permit or permit action being sought;
5. A description of activities to be regulated, including an estimate of emissions from the facility;
6. Location(s) where the application and draft permit may be reviewed (a location in the county where the site/facility is located must be included);
7. Name, address, and telephone number of the applicant and DEQ contacts;
8. Any additional information required by DEQ rules or deemed relevant by applicant;
9. A 30-day opportunity to request a formal public meeting on the draft permit.

SAMPLE NOTICES: On the following page

DEQ NOTICE OF TIER ...II or III... DRAFT PERMIT

A Tier ...II or III... application for an air quality ...type of permit or permit action being sought (e.g., significant modification to a Title V permit or Title V/Title V renewal permit)... has been filed with the Oklahoma Department of Environmental Quality (DEQ) by applicant, ...name and address.

The applicant requests approval to ...brief description of purpose of application... at the ...site/facility name ... [proposed to be] located at ...physical address (if any), driving directions, and legal description including county....

In response to the application, DEQ has prepared a draft operating permit [modification] (Permit Number: ...xxxx-xxxx-x...), which may be reviewed at ...locations (one must be in the county where the site/facility is located)... or at the Air Quality Division's main office (see address below). The draft permit is also available for review under Permits for Public Review on the DEQ Web Page: <http://www.deq.ok.gov/>

This draft permit would authorize the facility to emit the following regulated pollutants: (list each pollutant and amounts in tons per year (TPY)) [For facility modifications only, either add: , which represents (identify the emissions change involved in the modification), or add: . The modification will not result in a change in emissions]

The public comment period ends 30 days after the date of publication of this notice. Any person may submit written comments concerning the draft permit to the Air Quality Division contact listed below or as directed through the corresponding online notice. [Modifications only, add: Only those issues relevant to the proposed modification(s) are open for comment.] A public meeting on the draft permit [modification] may also be requested in writing at the same address. Note that all public meetings are to be arranged and conducted by DEQ staff.

In addition to the public comment opportunity offered under this notice, this draft permit is subject to U.S. Environmental Protection Agency (EPA) review, EPA objection, and petition to EPA, as provided by 40 CFR § 70.8.

If the Administrator (EPA) does not object to the proposed permit, the public has 60 days following the Administrator's 45-day review period to petition the Administrator to make such an objection as provided in 40 CFR 70.8(d) and in OAC 252:100-8-8(j).

Information on all permit actions including draft permits, proposed permits, final issued permits and applicable review timelines are available in the Air Quality section of the DEQ Web page: <http://www.deq.ok.gov/>.

For additional information, contact ...names, addresses and telephone numbers of contact persons for the applicant, or contact DEQ at: Chief Engineer, Air Quality Division, 707 N. Robinson, Suite 4100, P.O. Box 1677, Oklahoma City, OK, 73101-1677. Phone No. (405) 702-4100.