BKV POWER VENTURES BELL, LLC

TEMPLE MODULAR PLANT

TEMPLE, BELL COUNTY, TEXAS

ELECTRIC GENERATING UNIT (EGU) STANDARD PERMIT

CN: TBD
RN: TBD
Registration Number: TBD

Prepared for:

BKV POWER VENTURES BELL, LLC

Prepared by:

Tetra Tech, Inc.

1500 CityWest Blvd., Suite 1000

Houston, Texas 77042

www.tetratech.com

May 2026

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ACRONYMS/ABBREVIATIONS

Acronyms/Abbreviations	Definition
BKV	BKV Power Ventures Bell, LLC
CFR	Code of Federal Regulations
CO	carbon monoxide
EGU	electric generating unit
HAP	hazardous air pollutant
Lb/hr	pounds per hour
lb/MMBtu	pounds per million British thermal units
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NO_X	oxides of nitrogen
NSPS	New Source Performance Standard
PBR	Permit by Rule
PM	particulate matter
SO_2	sulfur dioxide
TAC	Texas Administrative Code
TCEQ	Texas Commission on Environmental Quality
Tetra Tech	Tetra Tech, Inc.
the Facility	Temple Modular Plant
tpy	tons per year
EPA	Environmental Protection Agency
VOC	volatile organic compound

EXECUTIVE SUMMARY

Texas Commission on Environmental Quality (TCEQ) requirements for authorizing air pollutant emissions from electric generating units (EGU) facilities operated in Texas. This document was prepared in accordance with guidance and procedures developed by the TCEQ and contains a demonstration of compliance with applicable rules by this facility. The data used to prepare the emission estimates were provided by BKV Power Ventures Bell, LLC (BKV) or obtained from on-line sources. Where data were not available, Tetra Tech's experience as well as TCEQ and EPA guidance were used in preparing this document and are indicated in the tabular data summaries presented within.

Based on our information, the facility meets the definition of an EGU, meets the emissions limits of the EGU Standard Permit, and maximum emission estimates for air pollutants at this facility are below the regulatory thresholds of the EGU Standard Permit shown below:

- 250 tons per year (tpy) of carbon monoxide (CO), nitrogen oxides (NO_X), volatile organic compounds (VOC), sulfur dioxide (SO_2), particulate matter (PM), particulate matter with diameters of 10 microns (PM_{10}) and 2.5 microns ($PM_{2.5}$) or less.

1.0 INTRODUCTION

On behalf of BKV, Tetra Tech, Inc. (Tetra Tech) has prepared this document to register this EGU facility and its associate air emissions by qualifying for the EGU Standard Permit.

This document lists the equipment at the facility; defines the operating parameters and production rates used for calculating air pollutant emission rates; and presents the calculations, regulatory compliance demonstrations, and forms required for claiming a Standard Permit.

1.1 PURPOSE

The purpose of this document is to both demonstrate that the facility meets the requirements to claim the EGU Standard Permit and function as registration.

1.2 PREVIOUS AUTHORIZATION

This will be a new site. Therefore, this the original air emission authorizations and no previous air emissions authorizations have been submitted.

1.3 LOCATION

This facility will be in an area that is mixed with commercial and rural properties and does not have an address. The site location with driving directions is provided on TCEQ forms in Appendix A. The EPA has classified the county where the site is located as attainment or unclassified for all regulated air pollutants.

1.4 PROCESS DESCRIPTION

The Facility is to produce power generation. Specifically, the engines produce electrical power that will be used for generating power for adjacent sites and / or the electrical grid as needed. Associated startup and shutdown activities for this facility are included in this permit application.

The physical setting of this facility and a listing of the primary process equipment at the site are provided in Table 1.

TABLE 1

Site Location and Sources of Air Pollutants

Site Location - County	Bell			
Nearest Town or City	Temple			
Latitude	31˚ 1’ 55.36”			
Longitude	97˚ 19’ 15.14”			
Sources of Air Pollutants	No.	Size	Units	Comments
Electric Generating Engines	128	4,574	hp	

Additional small but insignificant sources such as piping and small tanks may be present on the facility; and will be authorized as required.

1.5 SURROUNDING PROPERTY

The surrounding properties consist of a mix of rural undeveloped land and generally commercial properties. The location of the nearest residence and the nearest property line are provided Figure 1 in Appendix B. Figure 1 in Appendix B also shows the site location and surrounding area.

1.6 TCEQ DOCUMENTS

The following Completed TCEQ forms, are attached in Appendix A:

- Core Data Form;
- PI-1S Form;
- Standard Permit General Requirements Checklist;
- Table 1a; and
- Table 29 - Reciprocating Engines Checklist

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2.0 AIR EMISSIONS

The basis and methods used to calculate potential emissions for the sources and activities located at this facility utilize standard TCEQ-approved protocols. This section describes those methods used and is organized by the primary emission source groups or activities present at the facility. Within each paragraph, the methods used to calculate emissions, any assumptions made, and any adjustments required are presented. The equipment data for this facility is presented in Appendix D.

A summary of annual emissions is presented in Appendix C. Details and example emission calculations are provided in Appendix C.

2.1 ENGINE

Engine emission factors are from manufacturer data, and AP 42 emission calculations are provided in Appendix C. Normal operating emissions along with startup emissions have been calculated. Though both startup emissions and normal operating emissions have hours of operations and number of starts presented, these parameters are not to be considered permit limits. These parameters were chosen to provide a basis of emissions. The hourly normal operating emissions, hourly startup emissions, and annual total emissions are all emissions caps for the site and should be the only limits – i.e. site-wide emission caps.

3.0 REGULATORY REQUIREMENTS

TCEQ requires that a site registering for the EGU Standard Permit demonstrate compliance with Standard Permit and applicable state and federal air quality regulations that potentially are applicable to that facility. This section presents a review of those air quality regulations that may be applicable to the facility and, therefore, will govern operations of this facility.

3.1 STATE RULES

Table 2 lists the potentially applicable TCEQ air quality regulations that may apply to operations at this facility. Each rule has been reviewed, any rule to which the facility is identified as being subject to is listed, and compliance with that rule is demonstrated. A compliance citation is listed with the demonstration following. A statement of applicability and an indication of the method of compliance or where supporting information can be found follows each requirement.

TABLE 2

Applicable State Requirements in Title 30 Texas Administrative Code (TAC)

Citation	Summary of Requirements	Negative Applicability / Compliance Status
Chapter 101, Subchapter A	Subchapter 101 contains general rules for facilities emitting air pollutants. Potentially applicable requirements include Emission Inventory Requirements (§101.10), Inspection Fees (§101.24), and Emissions Fees (§101.27).	This facility is subject to these rules and will comply as required.
Chapter 101, Subchapter F	Subchapter F contains potentially applicable rules covering Emissions Event Reporting and Recordkeeping (§101.201), Scheduled MSS Reporting and Recordkeeping (§101.211), and Operational Requirements (§101.221).	This facility will keep records of unplanned emissions events, report any emissions events exceeding the RQ as defined, report scheduled MSS events as required, and maintain all pollution control equipment in good working order during facility operating periods.
Chapter 111, Subchapter A	Visible emissions from specified sources are limited by §111.111 and combustion source vents cannot exceed 20% opacity. Hourly particulate emission limits for non-agricultural sources in §111.151, based on effective stack height and flow rate must be maintained.	The combustion sources at this facility will comply with the opacity and particulate emissions specified in this rule. Particulate emissions their calculations are included in Appendix C.
Chapter 112, Subchapter A	SO_2 emissions from a site cannot exceed levels set by §112.3 that would produce a net ground-level concentration greater than 0.4 ppmv averaged over any 30-minute period.	The emission rate of SO_2 from sources at this facility will not produce ground-level impacts of greater than 0.4 ppmv.
Chapter 112, Subchapter B	Combined H_2S emissions from a site cannot exceed levels listed in §112.31, which would produce a net ground-level concentration, averaged over any 30 minute period, that is greater than 0.08ppmv if downwind property is used for residential, recreational, business, or commercial purposes; or 0.12 ppmv for other uses.	Combined H_2S emissions from this site will not exceed levels listed in §112.31, which will not produce a net ground-level concentration, averaged over any 30-minute period, that is greater than 0.08ppmv.

TABLE 2

Applicable State Requirements in Title 30 Texas Administrative Code (TAC)

Citation	Summary of Requirements	Negative Applicability / Compliance Status
Chapter 113	30 TAC Chapter 113 incorporates federal performance standards for hazardous air pollutants by reference.	Compliance with this rule is demonstrated in Table 5 for applicable Federal NESHAP and MACT standards.
Chapter 114	30 TAC Chapter 114 requires control of emissions from Motor Vehicles.	30 TAC Chapter 114 provisions, other than §114.20 do not apply to this facility. Company-owned vehicles operated at the facility will comply with the emission controls and maintenance requirements of §114.20.
Chapter 115	30 TAC Chapter 115 requires control of VOC emissions in certain specified counties in Texas.	This facility is not located in a county listed in §115.10 that is subject this chapter. However, no sources associated with this application are subject to any provisions of 30 TAC Chapter 115.
Chapter 116	30 TAC Chapter 116 requires that any person who plans to construct a new facility or modify an existing facility in Texas that may emit air pollutants secure an authorization allowing discharge of those air pollutants.	This facility is being authorized under a Standard Permit as allowed by rules in Chapter 116. See the Standard Permit Applicable Requirements Table in this document and Appendix A for full details.
Chapter 116 Standards Permit §§116.610-116.611	30 TAC Chapter 116 §§610-611 outline the applicable uses for Standard Permits and the registration requirements for Standard Permits. .	This facility is being authorized under the EGU Standard Permit as allowed by these sections. See Appendix A that has the appropriate forms and calculations in Appendix C for details that demonstrate compliance with these requirements.
EGU Standard Permit	This Standard Permit provides for authorization of electric generating units (EGU) that meet the requirements listed in this Standard Permit.	This facility is being authorized under the EGU Standard Permit as allowed by these sections. See Appendix A that has the appropriate forms, calculations in Appendix C, and manufacturer information in Appendix D for details that demonstrate compliance with these requirements. Specifically, the EGU is complying with paragraph (4)(D)(ii)(a) for equipment generating less than 10 megawatts in the East Texas Region installed after January 1, 2005 and will operate more than 300 hours per year; thus required to have NOx emissions of 0.47lbs/MWh or less.
Chapter 117	The provisions of 30 TAC Chapter 117 control pollution from nitrogen compounds. In general, this rule regulates NOx emission sources operating in non-attainment and near-nonattainment counties.	This facility is not a nitric acid production facility and is not located in a county listed in §117.10 that is subject to any provisions of 30 TAC Chapter 117.

TABLE 2 Applicable State Requirements in Title 30 Texas Administrative Code (TAC)		
Citation	**Summary of Requirements**	**Negative Applicability / Compliance Status**
Chapter 118	This rule describes measures taken to control air pollution episodes, by curtailing emissions through an emissions reduction plan.	This facility is not a major source located in a county listed in §118.5 where developing an emission reduction plan is required, or a county that has large emission sources or high traffic levels. The facility will comply with any source curtailment orders issued for the county in which it is located.
Chapter 122	30 TAC Chapter 122 requires compliance with and describes procedures to meet the federal operating permits program.	This facility will be a major source of emission as defined or specifically listed in 30 TAC §122.10. The facility will submit a complete application before operations begin.

3.2 FEDERAL AIR QUALITY REGULATORY REVIEW

Tables 4 and 5 provide the regulatory citation, rule description, and compliance status for each potentially applicable EPA program.

Table 3 Applicability of New Source Performance Standards (NSPS) 40 CFR Chapter I, Subchapter C, Part 60		
Subpart	**Rule Description**	**Negative Applicability or Compliance Status**
IIII	Compression Ignition Internal Combustion Engines ordered from manufacturer after July 11, 2005.	Compression-ignition internal combustion engines are not operated at this facility. Therefore, this rule does not apply.
JJJJ	Spark Ignition Internal Combustion Engines where owners commence construction after June, 12 2006.	Spark-ignition internal combustion engines will be operated at this facility. The facility will comply with this rule as applicable.

Table 4 Applicability of National Emission Standards for Hazardous Air Pollutants (NESHAPs) 40 CFR Chapter I, Subchapter C, Parts 61 and 63		
Subpart	**Rule Description**	**Negative Applicability or Compliance Status**
40 CFR Part 61		
J	Equipment Leaks of Benzene	This rule does not apply because pipeline quality natural gas will contain much less than 10 % benzene.

Table 4

Applicability of National Emission Standards for Hazardous Air Pollutants (NESHAPs)

40 CFR Chapter I, Subchapter C, Parts 61 and 63

Subpart	Rule Description	Negative Applicability or Compliance Status
40 CFR Part 63		
ZZZZ	Stationary Reciprocating Internal Combustion Engines	Stationary Reciprocating Internal Combustion Engines will be operated at this facility. The facility will comply with this rule as applicable.

APPENDIX A: TCEQ Forms

Core Data Form

PI-1S Form

Standard Permit General Requirements Checklist

Table 1a

Table 29 - Reciprocating Engines Checklist

TCEQ Use Only

TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (*If other is checked please describe in space provided.*)

☒ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☐ Renewal *(Core Data Form should be submitted with the renewal form)* ☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN TBD		**RN** TBD

SECTION II: Customer Information

4. General Customer Information	**5. Effective Date for Customer Information Updates** (mm/dd/yyyy)	5/1/2026

☒ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)*	*If new Customer, enter previous Customer below:*
BKV Power Ventures Bell, LLC	

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
806549704	32105426327	42-1883145	

11. Type of Customer:	☒ Corporation	☐ Individual	Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other		☐ Sole Proprietorship	☐ Other:

12. Number of Employees	**13. Independently Owned and Operated?**
☐ 0-20 ☒ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher	☒ **Yes** ☐ **No**

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☒ Owner ☐ Operator ☐ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

15. Mailing Address:	1200 17th St., Suite 2100						
	City	Denver	**State**	CO	**ZIP**	80202	**ZIP + 4**

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(720) 375-9680		(720) 359-9680

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☒ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name *(Enter name of the site where the regulated action is taking place.)*

Temple Modular Plant

23. Street Address of the Regulated Entity: ***(No PO Boxes)***							
	City		**State**		**ZIP**		**ZIP + 4**
24. County							

If no Street Address is provided, fields 25-28 are required.

25. Description to Physical Location:	From the intersection of Hwy 190 and Hwy 95 in Temple, Texas travel east on Hwy 190 for approximately 1.5 miles, site is on the right (southwest) side of the road.

26. Nearest City	State	Nearest ZIP Code
Temple	TX	76501

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:			28. Longitude (W) In Decimal:		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
31	1	55.36	97	19	15.14

29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)	31. Primary NAICS Code (5 or 6 digits)	32. Secondary NAICS Code (5 or 6 digits)
4911			

33. What is the Primary Business of this entity? *(Do not repeat the SIC or NAICS description.)*

Power Generation

34. Mailing Address:	**William Petersen**						
	2892 Panda Drive						
	City	**Temple**	**State**	**TX**	**ZIP**	**76501**	**ZIP + 4**

35. E-Mail Address:	billpetersen@bkvcorp.com

36. Telephone Number	37. Extension or Code	38. Fax Number *(if applicable)*
(254) 644-8614		( ) -

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☒ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☐ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

40. Name:	Malcolm Richards	**41. Title:**	Consultant

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(713 **)** 256-1929		**( )** -	Malcolm.Richards@TetraTech.com

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	BKV Power Ventures Bell, LLC	**Job Title:**	Regulatory Compliance Manager
Name *(In Print):*	William Petersen	**Phone:**	**(** 254 **)** 644- **8614**
Signature:		**Date:**	

Form PI-1S
Registrations for Air Standard Permit
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Texas Commission on Environmental Quality

I.	**Registrant Information**
A.	Company or Other Legal Customer Name:
BKV Power Ventures Bell, LLC	
B.	Company Official Contact Information:
☒ Mr.	
☐ Mrs.	
☐ Ms.	
☐ Other:_____	
Name: William Petersen	
Title: Regulatory Compliance Manager	
Mailing Address: 2892 Panda Drive	
City: Temple	
State: TX	
ZIP Code: 76501	
Telephone Number: (254) 644-8614	
Fax Number:	
Email Address: billpetersen@bkvcorp.com	
All permit correspondence will be sent via email.	
C.	Technical Contact Information
☒ Mr.	
☐ Mrs.	
☐ Ms.	
☐ Other:_____	
Name: William Petersen	
Title: Regulatory Compliance Manager	
Company Name: BKV Power Ventures Bell, LLC	
Mailing Address: 2892 Panda Drive	
City: Temple	
State: TX	
ZIP Code: 76501	

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I.	**Registrant Information *(continued)***
C.	Technical Contact Information *(continued)*
Telephone Number:	(254) 644-8614
Fax Number:	
Email Address:	billpetersen@bkvcorp.com
II.	**Facility and Site Information**
A.	Name and Type of Facility
Facility Name:	Temple Modular Plant
Type of Facility:	☒ Permanent ☐ Temporary
For portable units, please provide the serial number of the equipment being authorized below.	
Serial No(s):	
B.	Facility Location Information
Street Address:	N/A
If there is no street address, provide written driving directions to the site and provide the closest city or town, county, and ZIP code for the site (attach description if additional space is needed).	
From the intersection on of Hwy 190 and Hwy 95 in Temple, Texas travel east on Hwy 190 for approximately 1.5 miles	
site is on the right (southwest) side of the road.	
City:	Temple
County:	Bell
ZIP Code:	76501
C.	Core Data Form (**required** for Standard Permits 6006, 6007, and 6013).
Is the Core Data Form (TCEQ Form 10400) attached?	☑ Yes ☐ No
Customer Reference Number (CN):	TBD
Regulated Entity Number (RN):	TBD
D.	TCEQ Account Identification Number (if known): TBD

II. Facility and Site Information *(continued)*
E. Type of Action ☒ Initial Application ☐ Change to Registration ☐ Renewal ☐ Renewal Certification
For Change to Registration, Renewal, or Renewal Certification actions provide the following:
Registration Number: N/A
Expiration Date: N/A
F. Standard Permit Claimed: Electric Generating Unit (EGU) Version May 16, 2007
G. Previous Standard Exemption or PBR Registration Number: N/a
Is this authorization for a change to an existing facility previously authorized under a standard exemption or PBR? ☐ Yes ☒ No
If "Yes," enter previous standard exemption number(s) and PBR registration number(s) and associated effective date in the spaces provided below.
Standard Exemption Number(s): N/A
PBR Registration Number(s): N/A
H. Other Facilities at this Site Authorized by Standard Exemption, PBR, or Standard Permit
Are there any other facilities at this site that are authorized by an Air Standard Exemption, PBR, or Standard Permit? ☐ Yes ☒ No
If "Yes," enter standard exemption number(s), PBR registration number(s), Standard Permit Registration Number(s), and associated effective date in the spaces provided below.
Standard Exemption Number(s): N/A
PBR Registration Number(s): N/A
Standard Permit Registration Number(s): N/A

II. Facility and Site Information *(continued)*
I. Other Air Preconstruction Permits
Are there any other air preconstruction permits at this site? ☐ Yes ☒ No
If "Yes," enter permit number(s) in the spaces provided below. N/A
J. Affected Air Preconstruction Permits
Does the standard permit directly affect any permitted facility? ☐ Yes ☒ No
If "Yes," enter permit number(s) in the spaces provided below. N/A
K. Federal Operating Permit (FOP) Requirements
Is this facility located at a site that is required to obtain a FOP pursuant to 30 TAC Chapter 122? ☒ Yes ☐ No ☐ To Be Determined
Check the requirements of 30 TAC Chapter 122 that will be triggered if this standard permit is approved (*check all that apply).* ☐ Initial Application for a FOP ☐ Significant Revision for a SOP ☐ Minor Revision for a SOP ☐ Operational Flexibility/Off Permit Notification for a SOP ☐ Revision for a GOP ☒ To be Determined ☐ None
Identify the type(s) of FOP issued and/or FOP application(s) submitted/pending for the site. *(check all that apply)* ☒ SOP ☐ SOP application/revision (submitted or under APD review) ☐ GOP ☐ GOP application/revision (submitted or under APD review) ☐ N/A

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III.	**Fee Information** ***(go to www.tceq.texas.gov/epay to pay online)***
A.	Fee Amount: $900
B.	Voucher number from ePay:
IV.	**Public Notice** ***(if applicable)***
A.	Responsible Person ☒ Mr. ☐ Mrs. ☐ Ms. ☐ Other:_____
Name: William Petersen	
Title: Regulatory Compliance Manager	
Company: BKV Power Ventures Bell, LLC	
Mailing Address: 2892 Panda Drive	
City: Temple	
State: TX	
ZIP Code: 76501	
Telephone No.: (254) 644-8614	
Fax No.:	
Email Address: billpetersen@bkvcorp.com	
B.	Technical Contact ☒ Mr. ☐ Mrs. ☐ Ms. ☐ Other:_____
Name: William Petersen	
Title: Regulatory Compliance Manager	
Company: BKV Power Ventures Bell, LLC	
Mailing Address: 2892 Panda Drive	
City: Temple	
State: TX	
ZIP Code: 76501	

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IV. Public Notice *(if applicable)*
B. Technical Contact
Telephone Number: (254) 644-8614
Fax Number:
Email Address: billpetersen@bkvcorp.com
C. Bilingual Notice
Is a bilingual program required by the Texas Education Code in the School District? ☒ Yes ☐ No
Are the children who attend either the elementary school or the middle school closest to your facility eligible to be enrolled in a bilingual program provided by the district? ☒ Yes ☐ No
If "Yes," list which language(s) are required by the bilingual program below? Language(s): Spanish Language(s):
D. Small Business Classification and Alternate Public Notice
Does this company (including parent companies and subsidiary companies) have fewer than 100 employees or less than $6 million in annual gross receipts? ☐ Yes ☒ No
Is the site a major source under 30 TAC Chapter 122, Federal Operating Permit Program? ☒ Yes ☐ No
Are the site emissions of any individual regulated air contaminant equal to or greater than 50 tpy? ☒ Yes ☐ No
Are the site emissions of all regulated air contaminant combined equal to or greater than 75 tpy? ☒ Yes ☐ No

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V.	Renewal Certification Option
A.	Does the permitted facility emit an air contaminant on the Air Pollutant Watch List, and is the permitted facility located in an area on the watch list? ☐ Yes ☐ No
B.	For facilities participating in the Houston/Galveston/Brazoria area (HGB) cap and trade program for highly reactive VOCs (HRVOCs), do the HRVOCs need to be speciated on the maximum allowable emission rates table (MAERT)? ☐ Yes ☐ No
C.	Does the company and/or site have an unsatisfactory compliance history? ☐ Yes ☐ No
D.	Are there any applications currently under review for this standard permit registration? ☐ Yes ☐ No
E.	Are scheduled maintenance, startup, or shutdown emissions required to be included in the standard permit registration at this time? ☐ Yes ☐ No
F.	Are any of the following actions being requested at the time of renewal: ☐ Yes ☐ No
1.	Are there any facilities that have been permanently shut down that are proposed to be removed from the standard permit registration? ☐ Yes ☐ No
2.	Do changes need to be made to the standard permit registration in order to remain in compliance? ☐ Yes ☐ No
3.	Are sources or facilities that have always been present and represented, but never identified in the standard permit registration, proposed to be included with this renewal? ☐ Yes ☐ No
4.	Are there any changes to the current emission rates table being proposed? ☐ Yes ☐ No
*Note: If answers to all of the questions in Section V. Renewal Certification Option are "No," use the certification option and skip to Section VII. of this form. If the answers to any of the questions in Section V. Renewal Certification Option are "Yes," the certification option **cannot** be used.*	
*If notice is applicable and comments are received in response to the public notice, the application does not qualify for the renewal certification option.	

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VI. Technical Information Including State and Federal Regulatory Requirements
Place a check next to the appropriate box to indicate what you have included in your submittal. *Note: Any technical or essential information needed to confirm that facilities are meeting the requirements of the standard permit must be provided. Not providing key information could result in an automatic deficiency and voiding of the project*.
A. Standard Permit requirements (Checklists are optional; however, your review will go faster if you provide applicable checklists.)
Did you demonstrate that the general requirements in 30 TAC§§116.610 and 116.615 are met? ☒ Yes ☐ No
Did you demonstrate that the individual requirements of the specific standard permit are met? ☒ Yes ☐ No
B. Confidential Information (All pages properly marked “CONFIDENTIAL”). ☐ Yes ☒ No
C. Process Flow Diagram. ☒ Yes ☐ No
D. Process Description. ☒ Yes ☐ No
E. Maximum Emissions Data and Calculations. ☒ Yes ☐ No
F. Plot Plan. ☒ Yes ☐ No
G. Projected Start of Construction Date, Start of Operation Date, and Length of Time at Site: ☒ Yes ☐ No
Projected Start of Construction (provide date): 10/01/2026
Projected Start of Operation (provide date): 01/02/2027
Length of Time at the Site: >10 Years

VII. Delinquent Fees and Penalties
This form **will not be processed** until all delinquent fees and/or penalties owed to TCEQ or the Office of the Attorney General on behalf of TCEQ are paid in accordance with the Delinquent Fee and Penalty Protocol. For more information regarding Delinquent Fees and Penalties, go to the TCEQ website at: www.tceq.texas.gov/agency/financial/fees/delin/index.html
VIII. Signature Requirements
The signature below confirms that I have knowledge of the facts included in this application and that these facts are true and correct to the best of my knowledge and belief. I further state that to the best of my knowledge and belief, the project for which application is made will not in any way violate any provision of the Texas Water Code (TWC), Chapter 7; the Texas Health and Safety Code (THSC), Chapter 382, the Texas Clean Air Act (TCAA) the air quality rules of the Texas Commission on Environmental Quality; or any local governmental ordinance or resolution enacted pursuant to the TCAA. I further state that I understand my signature indicates that this application meets all applicable nonattainment, prevention of significant deterioration, or major source of hazardous air pollutant permitting requirements. The signature further signifies awareness that intentionally or knowingly making or causing to be made false material statements or representations in the application is a criminal offense subject to criminal penalties.
Name (printed): William Petersen
Signature (original signature required):
IX. Copies of the Registration
The Form PI-1S application must be submitted through ePermits. No additional copies need to be sent to the Regional Office or local Air Pollution Control Program(s). The link to ePermits can be found here: www3.tceq.texas.gov/steers/.

Texas Commission on Environmental Quality
Air Quality Standard Permits
General Requirements Checklist
Title 30 Texas Administrative Code §§116.610-116.615

Check the most appropriate answer and include any additional information in the spaces provided. If additional space is needed, please include an extra page and reference the rule number. The SP forms, tables, checklists, and guidance documents are available from the TCEQ, Air Permits Division web site at: www.tceq.texas.gov/permitting/air/nav/standard.html.

Most Standard Permits require registration with the commission's Office of Permitting, Remediation, and Registration in Austin. The facilities and/or changes to facilities can be registered by completing a Form PI-1S, "Registration for Air Standard Permit." This checklist should accompany the registration form to expedite any registration review.

CHECK THE MOST APPROPRIATE ANSWERS AND FILL IN THE REQUESTED INFORMATION		
Rule	**Questions/Description**	**Response**
116.610(a)(1)	Are there net emissions increases associated with this registration?	☒ YES ☐ NO
	If "YES," will net emission increases of air contaminants from the project, other than those for which a National Ambient Air Quality Standard (NAAQS) has been established, meet the emission limits of § 106.261 or § 106.262?	☒ YES ☐ NO
	If "NO," does the specific standard permit exempt emissions from this limit?	☐ YES ☐ NO
Attach emissions summary and calculations:		
116.610(a)(3)	Do any of the Title 40 Code of Federal Regulations Part (CFR) 60, New Source Performance Standards apply to this registration?	☒ YES ☐ NO
If "YES," list subparts: JJJJ		
116.610 (a)(4)	Do any Hazardous Air Pollutant requirements apply to this registration?	☐ YES ☒ NO
If "YES," list subparts		
116.610 (a)(5)	Do any maximum achievable control technology (MACT) standards as listed under 40 CFR Part 63 or Chapter 113, Subchapter C (National Emissions Standard for Hazardous Air for Source Categories) apply to this registration?	☒ YES ☐ NO
If "YES," list subparts: ZZZZ		
116.610(a)(6)	Will additional emission allowances under Chapter 101, Subchapter H, Division 3, Emissions Banking and Trading, need to be obtained following this registration?	☐ YES ☒ NO
116.611(a)(1-6)	Is the following documentation included with this registration:	☒ YES ☐ NO
	Emissions calculations including the basis of the calculations?	☒ YES ☐ NO
	Quantification of all emission increases and/or decreases associated with this project?	☒ YES ☐ NO
	Sufficient information demonstrating that this project does not trigger PSD or NNSR review?	☒ YES ☐ NO
	Description of efforts to minimize collateral emissions increases associated with this project?	☒ YES ☐ NO
	Process descriptions including related processes?	☒ YES ☐ NO
	Description of any equipment being installed?	☒ YES ☐ NO

Texas Commission on Environmental Quality
Air Quality Standard Permits
General Requirements Checklist
Title 30 Texas Administrative Code §§116.610-116.615

Rule	Question/Description	Response
116.614	Are the required fee and a copy of the check or money order provided with the application?	☒ YES ☐ NO
116.615(1)	Will emissions from the facility comply with all applicable rules and regulations of the commission adopted under Texas Health and Safety Code, Chapter 382, and with the intent of the Texas Clean Air Act?	☒ YES ☐ NO
116.615(2)	Do you understand that all representations with regard to construction plans, operating procedures, and maximum emission rates in this registration become conditions upon which the facility will be constructed and operated?	☒ YES ☐ NO
116.615(3)	Do you understand that all changes authorized by this registration need to be incorporated into the facility's permit if the facility is currently permitted under §116.110 (relating to Applicability)?	☒ YES ☐ NO
List all related permit numbers:		
116.615(9)617(e)(1)	Will all air pollution emission capture and abatement equipment be maintained in good working order?	☒ YES ☐ NO
116.615(10)	Will the facility comply with all applicable rules and regulations of the TCEQ, the Texas Health and Safety Code, Chapter 382, and the Texas Clean Air Act?	☒ YES ☐ NO

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Table 1(a) Emission Point Summary

Date:	May 2026	Permit No.:	TBD	Regulated Entity No.:	TBD
Area Name	Temple Modular Plant			Customer Reference No	TBD

AIR CONTAMINANT DATA					
1. Emission Point			2.Component or Air	3. Air Contaminent Emission Rate	
(A) EPN	(B) FIN	(C) NAME	Contaminant Name	(A) LB/HR	(B) TPY
ENG-1 - ENG-128 (OPS HOURLY ONE ENGINE CAP)	ENG-1 - ENG-128 (OPS HOURLY ONE ENGINE CAP)	Engines 1 - 128 Operating Emissions - HOURLY CAP - ONE ENGINE	CO	0.35	
			NO_X	0.20	
			VOC w/o HCHO	0.30	
			VOC w/ HCHO	0.40	
			SO_2	0.10	
			PM	0.10	
			PM_{10}	0.10	
			$PM_{2.5}$	0.10	
			NH_3	0.10	
			HCHO	0.10	
			HAPs	0.11	
ENG-1 - ENG-128 (OPS HOURLY ALL ENGINES CAP)	ENG-1 - ENG-128 (OPS HOURLY ALL ENGINES CAP)	Engines 1 - 128 Operating Emissions - HOURLY CAP - ALL ENGINES	CO	44.80	
			NO_X	25.60	
			VOC w/o HCHO	38.40	
			VOC w/ HCHO	51.20	
			SO_2	12.80	
			PM	12.80	
			PM_{10}	12.80	
			$PM_{2.5}$	12.80	
			NH_3	12.80	
			HCHO	12.80	
			HAPs	14.08	
ENG-1 - ENG-128 (STARTUP HOURLY ONE ENGINE CAP)	ENG-1 - ENG-128 (STARTUP HOURLY ONE ENGINE CAP)	Engines 1 - 128 Startup Emissions - HOURLY CAP - ONE ENGINE	CO	2.75	
			NO_X	3.84	
			VOC w/o HCHO	1.19	
			VOC w/ HCHO	1.81	
			SO_2	0.10	
			PM	0.10	
			PM_{10}	0.10	
			$PM_{2.5}$	0.10	
			NH_3	0.10	
			HCHO	0.62	
			HAPs	0.64	
ENG-1 - ENG-128 (STARTUP HOURLY ONE ENGINED CAP)	ENG-1 - ENG-128 (STARTUP HOURLY ONE ENGINED CAP)	Engines 1 - 128 Startup Emissions - HOURLY CAP - ALL ENGINES	CO	352.13	
			NO_X	492.00	
			VOC w/o HCHO	152.64	
			VOC w/ HCHO	231.36	
			SO_2	12.80	
			PM	12.80	
			PM_{10}	12.80	
			$PM_{2.5}$	12.80	
			NH_3	12.80	
			HCHO	78.72	
			HAPs	82.13	
ENG-1 - ENG-128 (ANNUAL ONE ENGINE CAP)	ENG-1 - ENG-128 (ANNUAL ONE ENGINE CAP)	Engines 1 - 128 Emissions - ANNUAL CAP - ONE ENGINE	CO		2.01
			NO_X		1.60
			VOC w/o HCHO		1.49
			VOC w/ HCHO		2.03
			SO_2		0.44
			PM		0.44
			PM_{10}		0.44
			$PM_{2.5}$		0.44
			NH_3		0.44
			HCHO		0.54
			HAPs		0.59
ENG-1 - ENG-128 (ANNUAL ALL ENGINES CAP)	ENG-1 - ENG-128 (ANNUAL ALL ENGINES CAP)	Engines 1 - 128 Emissions - ANNUAL CAP - ALL ENGINES	CO		244.17
			NO_X		162.78
			VOC w/o HCHO		179.68
			VOC w/ HCHO		243.03
			SO_2		53.86
			PM		53.87
			PM_{10}		53.87
			$PM_{2.5}$		53.87
			NH_3		2.58
			HCHO		63.35
			HAPs		69.08

Texas Commission on Environmental Quality
Table 29 Reciprocating Engines

I. Engine Data

Manufacturer:	Model No.	Serial No.	Manufacture Date:
Jenbacher	620 J781	TBD	01/01/2026
Rebuilds Date:	**No. of Cylinders:**	**Compression Ratio:**	**EPN:**
			ENG-1 - ENG-128

Application: ☐ Gas Compression ☒ Electric Generation ☐ Refrigeration ☐ Emergency/Stand by

☒ 4 Stroke Cycle ☐ 2 Stroke Cycle ☐ Carbureted ☐ Spark Ignited ☐ Dual Fuel ☐ Fuel Injected

☐ Diesel ☒ Naturally Aspirated ☐ Blower /Pump Scavenged ☐ Turbo Charged and I.C. ☐ Turbo Charged

☐ Intercooled ☐ I.C. Water Temperature ☒ Lean Burn ☐ Rich Burn

Ignition/Injection Timing: Fixed: TBD Variable: TBD

Manufacture Horsepower Rating: 4574 Proposed Horsepower Rating: 4574

Discharge Parameters

Stack Height (Feet)	Stack Diameter (Feet)	Stack Temperature (°F)	Exit Velocity (FPS)
TBD	TBD	TBD	TBD

II. Fuel Data

Type of Fuel: ☐ Field Gas ☐ Landfill Gas ☐ LP Gas ☒ Natural Gas ☐ Digester Gas ☐ Diesel

Fuel Consumption (BTU/bhp-hr): TBD Heating Value: 1020 Lower Heating Value: 1020

Sulfur Content (grains/100 scf - weight %): Pipeline Quality

III. Emission Factors (Before Control)

NO_X		CO		SO_2		VOC		Formaldehyde		PM_{10}	
g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv
1.0		2.1			0.01	0.29		0.15			0.01

Source of Emission Factors: ☒ Manufacturer Data ☐ AP-42 ☐ Other (specify):

IV. Emission Factors (Post Control)

NO_X		CO		SO_2		VOC		Formaldehyde		PM_{10}	
g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv
0.02		0.035			0.01	0.03		0,01			0.01

Method of Emission Control: ☒ NSCR Catalyst ☒ Lean Operation ☐ Parameter Adjustment

☐ Stratified Charge ☐ JLCC Catalyst ☒ Other (Specify): SCR

Note: *Must submit a copy of any manufacturer control information that demonstrates control efficiency.*

Is Formaldehyde included in the VOCs? ☒ Yes ☐ No

V. Federal and State Standards (Check all that apply)

☒ NSPS JJJJ ☒ MACT ZZZZ ☐ NSPS IIII ☐ Title 30 Chapter 117 - List County: Bell

VI. Additional Information

1. Submit a copy of the engine manufacturer's site rating or general rating specification data.
2. Submit a typical fuel gas analysis, including sulfur content and heating value. For gaseous fuels, provide mole percent of constituents.
3. Submit description of air/fuel ratio control system (manufacturer information is acceptable).

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APPENDIX B: FACILITY DIAGRAM AND AREA MAPS

Surrounding Area Map

Plot Plan

Facility Process Flow Diagram

AREA MAP
BKV POWER VENTURES BELL, LLC
SKYVAULT - TEMPLE PARCEL
31° 1'55.36"N, 97°19'15.14"W
BELL COUNTY, TEXAS

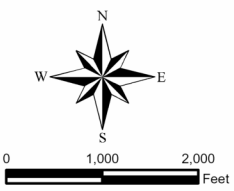
BKV Power Ventures Bell, LLC

TETRA TECH

FIGURE 1

Date: 5/1/2026 Path: S:\NEW Projects\Air Projects\BKV Power Ventures\BKV Figures.aprx

● ENGINES 1 - 128



PLOT PLAN
BKV POWER VENTURES BELL, LLC
SKYVAULT - TEMPLE PARCEL
31° 1'55.36"N, 97°19'15.14"W
BELL COUNTY, TEXAS

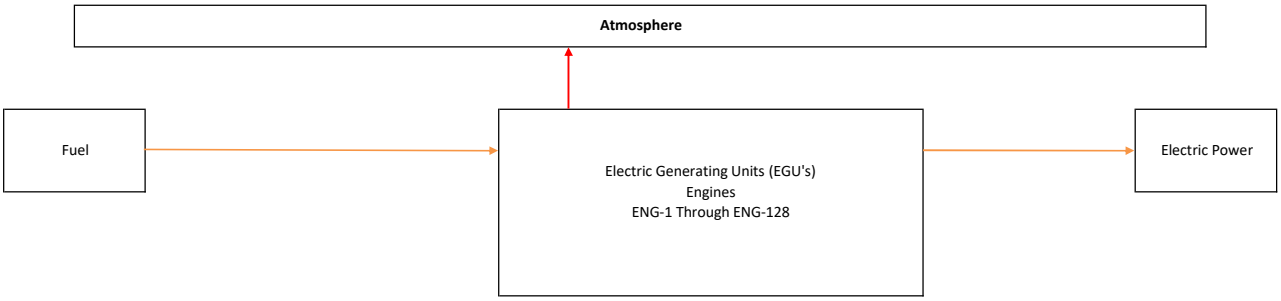
BKV Power Ventures Bell, LLC

TETRA TECH

FIGURE 2

Date: 4/30/2026 Path: S:\NEW Projects\Air Projects\BKV Power Ventures\BKV Figures.aprx

BKV Power Ventures Bell, LLC
Temple Modular Plant
Process Flow Diagram



APPENDIX C: EMISSION CALCULATIONS

Emission Summary – Normal Operations and Startup Operations

Startup Emissions

BKV Power Ventures Bell, LLC
Temple Modular Plant
Emissions Summary

FIN	EPN	Description	Site Data		Hr/Yr	NOx		CO		VOC (w/o HCHO)		HCHO		Total HAP		NH_3		SO_2		$PM_{10/2.5}$	
						Lb/Hr	TPY	Lb/Hr	TPY	Lb/Hr	TPY	Lb/Hr	TPY	Lb/Hr	TPY	Lb/Hr	TPY	Lb/Hr	TPY	Lb/Hr	TPY
ENG-1 - ENG-128	ENG-1 - ENG-128	Normal Ops - 1 Engine Lbs/Hr	1	Engine	1	0.20		0.35		0.20		0.10		0.11		0.10		0.10		0.10	
		Normal Ops - 128 Engines Lbs/Hr MAX (CAP)	128	Total Engines	1	25.60		44.80		25.60		12.80		14.08		12.80		12.80		12.80	
		Normal Ops - 1 Engine Annual Emissions at 8360 Hours	1	Engine	8,360		0.84		1.46		0.84		0.42		0.46		0.42		0.42		0.42
		Normal Ops - 128 Engines Annual Emissions at 8360 Hours	128	Total Engines	8,360		107.01		187.26		107.01		53.50		58.85		53.50		53.50		53.50
		Startup - 1 Engine Lbs/Hr	1	Engine	1	3.84		2.75		0.58		0.62		0.64		**0.10**		**0.10**		**0.10**	
		Startup - 128 Engines Lbs/Hr MAX (CAP)	128	Total Engines	1	492.00		352.13		73.92		78.72		82.13		12.80		12.80		12.80	
		Startup -1 Engine Annual Emissions at 400 Hours	1	Engine	400		0.77		0.55		0.12		0.12		0.13		0.02		0.02		0.02
		Startup -128 Engines Annual Emissions at 400 Hours	128	Total Engines	400		55.77		56.90		9.32		9.85		10.23		2.56		0.36		0.36
			4,574	bhp																	
TOTAL TPY CAP - ONE ENGINE						**1.60**		**2.01**		**0.95**		**0.54**		**0.59**		**0.44**		**0.44**		**0.44**	
TOTAL TPY CAP - ALL ENGINES						**162.78**		**244.17**		**116.32**		**63.35**		**69.08**		**2.58**		**53.86**		**53.87**	

NOTE: The hours of operation are for represenation only and NOT a limit. The permit limits are the hourly cap emissions and annual cap emissions shown.

Example Calculations:

Normal Ops NOx Lbs/Hr 128 Engines

0.20 Lbs/Hr NOx * 128 Engines = 25.6 Lbs/Hr NOx

Normal Ops NOx TPY 1 Engine

(0.20 Lbs/Hr NOx 1 Engine * 8360 Hrs/Yr) / 2000 Lbs/Ton = 0.84 TPY NOx

Normal Ops NOx TPY 128 Engine

(25.60 Lbs/Hr NOx 128 Engine * 8360 Hrs/Yr) / 2000 Lbs/Ton = 107.01 TPY NOx

Startup NOx Lbs/Hr 128 Engines

3.83 Lbs/Hr NOx * 128 Engines = 490.56 Lbs/Hr NOx

Startup NOx TPY 1 Engine

(3.83 Lbs/Hr NOx 1 Engine * 400 Hrs/Yr) / 2000 Lbs/Ton = 0.77 TPY NOx

Startup NOx TPY 128 Engine

(490.56 Lbs/Hr NOx 128 Engine * 400 Hrs/Yr) / 2000 Lbs/Ton = 55.70 TPY NOx

BKV Power Ventures Bell, LLC
Temple Modular Plant
Startup Emissions

Startup Emissions Summary

Start Type	Number of Starts	NOx	CO	VOC	HCHO	ALL HAPs
		lbs/400 hrs (startups)	lbs/400 hrs (startups)	lbs/400 hrs (startups)	lbs/400 hrs (startups)	lbs/400 hrs (startups)
COLD STARTUP	50	192.19	137.46	28.88	30.75	32.08
HOT STARTUP	50	42.11	31.89	9.45	9.83	10.09
WARM 1 STARTUP	100	134.43	187.07	25.55	26.80	27.69
WARM 2 STARTUP	100	226.23	257.57	37.52	39.68	41.22
WARM 3 STARTUP	100	276.43	275.10	44.17	46.83	48.73
TOTAL LBS for 400 Startups For ONE Engine		**871.39**	**889.08**	**145.56**	**153.89**	**159.80**

NOx - Manufacturer Startup Data

COLD			
Minutes	0-15	15-30	30-60
Percent	0%	50%	100%
HOT			
Minutes	0-4	4-5	5-60
Percent	0%	50%	100%
WARM 1			
Minutes	0-7	7-8	8-60
Percent Controls	0%	50%	100%
WARM 2			
Minutes	0-12	12-14	15-60
Percent Controls	0%	50%	100%
WARM 3			
Minutes	0-14	14-18	18-60
Percent Controls	0%	50%	100%

Compound	Percent Controls:	0%	50%	100%	Starup - 1 Hour Total
		lbs/hr	lbs/hr	lbs/hr	Total lbs/hr
NOx	COLD STARTUP	10.13	5.07	0.09	3.84
NOx	HOT STARTUP	10.13	5.07	0.09	0.84
NOx	WARM 1 STARTUP	10.13	5.07	0.09	1.34
NOx	WARM 2 STARTUP	10.13	5.07	0.09	2.26
NOx	WARM 3 STARTUP	10.13	5.07	0.09	2.76

CO - Manufacturer Startup Data

COLD			
Minute	0-5	5-10	10-60
Percent Controls	0%	50%	100%
HOT			
Minute	0-1	1-2	2-60
Percent Controls	0%	50%	100%
WARM 1			
Minute	0-4	4-6	6-60
Percent Controls	0%	50%	100%
WARM 2			
Minute	0-6	6-8	8-60
Percent Controls	0%	50%	100%
WARM 3			
Minute	0-6	6-9	9-60
Percent Controls	0%	50%	100%

Compound	Percent Controls:	0%	50%	100%	Starup - 1 Hour Total
		lbs/hr	lbs/hr	lbs/hr	lbs/hr
CO	COLD STARTUP	21.26	10.63	0.11	2.75
CO	HOT STARTUP	21.26	10.63	0.11	0.64
CO	WARM 1 STARTUP	21.26	10.63	0.11	1.87
CO	WARM 2 STARTUP	21.26	10.63	0.11	2.58
CO	WARM 3 STARTUP	21.26	10.63	0.11	2.75

BKV Power Ventures Bell, LLC
Temple Modular Plant
Startup Emissions

VOC - Manufacturer Startup Data

Compound	Percent Controls:	0%	50%	100%	Starup - 1 Hour Total
		lbs/hr	lbs/hr	lbs/hr	lbs/hr
VOC	COLD STARTUP	1.42	0.71	0.09	0.58
VOC	HOT STARTUP	1.42	0.71	0.09	0.19
VOC	WARM 1 STARTUP	1.42	0.71	0.09	0.26
VOC	WARM 2 STARTUP	1.42	0.71	0.09	0.38
VOC	WARM 3 STARTUP	1.42	0.71	0.09	0.44

CH2O - Manufacturer Startup Data

Compound	Percent Controls:	0%	50%	100%	Starup - 1 Hour Total
		lbs/hr	lbs/hr	lbs/hr	lbs/hr
HCHO	COLD STARTUP	1.52	0.76	0.09	0.62
HCHO	HOT STARTUP	1.52	0.76	0.09	0.20
HCHO	WARM 1 STARTUP	1.52	0.76	0.09	0.27
HCHO	WARM 2 STARTUP	1.52	0.76	0.09	0.40
HCHO	WARM 3 STARTUP	1.52	0.76	0.09	0.47

ALL HAPs - AP-42 Table 3.2-2 & Manufacturer Startup Data

Compound	Percent Controls:	0%	50%	100%	Starup - 1 Hour Total
		lbs/hr	lbs/hr	lbs/hr	lbs/hr
HAPs	COLD STARTUP	1.59	0.80	0.09	0.64
HAPs	HOT STARTUP	1.59	0.80	0.09	0.20
HAPs	WARM 1 STARTUP	1.59	0.80	0.09	0.28
HAPs	WARM 2 STARTUP	1.59	0.80	0.09	0.41
HAPs	WARM 3 STARTUP	1.59	0.80	0.09	0.49

NOTE: The number of startups are for represenation only and NOT a limit. The permit limits are the hourly and annual emissions cap shown.

NOTE: No Startup Information has been provided for VOC or CH2O by Manufacturer. Due to this it is assumed to the same as NOx.

NOTE: HAPS determined by ratioing HAPS in AP-42 Table 3.2-2 to VOCs and adding HCHOfrom manufacturer data.

APPENDIX D: SUPPORTING DOCUMENTATION

Manufacturer Controlled Emissions Letter

Manufacturer Startup Information

Manufacturer Uncontrolled Emissions Letter

April 09th, 2026

INNIO Jenbacher confirms that the pollutants, in the amounts listed below, measured after the exhaust aftertreatment system (ATS), are confirmed as valid "NOT TO EXCEED" values for stationary applications per engine for the:

Project: AB Energy Tempo Texas JGS 620 J781 (PRJ-12129)

Emission values (as half hour average values) *):

	Uncontrolled		Controlled		Testing by
Species	**g/bhp-hr**	**lb/hr**	**g/bhp-hr**	**lb/hr**	
NOx	1	10,13	0,02	0,20	EPA method 7E, or EN 14792 (CLD)
CO	2,1	21,26	0,035	0,35	EPA method 10, or DIN EN 15058 (NDIR)
VOC as NMNEHC	0,14	1,42	0,02	0,20	**)
CH2O	0,15	1,52	0,01	0,10	VDI3862-Page 2 (AHMT), or 4 (DNPH), or 8 (FTIR) or equivalent US measurement method, e.g. FTIR according EPA method 320
PM2.5/PM10	0,01	0,10	0,01	0,10	EN-13284-1
NH3	-		0,01	0,10	FTIR or measurement in accordance with DIN51854
SO2	0,01	0,10	0,01	0,10	Wet sampling and ion-chromatography variant according ISO11632 or DIN EN 14791

*) Emission values account no measurement tolerances.

**) Expressed as C, evaluated using single determination of C_xH_y from dry exhaust gas with GC-WLD or GC-FID. Every component must be calibrated. Collective test over 30 minutes or the average of 10 single measurements within 30 minutes.

***) No guarantee as main impacting factor is typically the sulphur content of the fuel. Lubrication oil sulphur is a minor factor and depends on brand and type

Definitions:

NOx	as NO2
NMNEHC	Non-Methane-Non-Ethane-Hydrocarbons (only C_xH_y species with x>2 + C2H4), calculated as C
CH2O	Formaldehyde

The following criteria apply for demonstration purposes:

1) Operation will be on Natural Gas which must meet the INNIO Jenbacher gas quality requirements stated in the Technical Instruction 1000-0300.
2) Emission values are based on the binding fuel gas analysis (Appendix I).
3) Based on the nominal mass flow provided by the project specific data sheets.
4) For operation between 80% and 100%, steady state 30 minutes average
5) Emission values apply after the ATS has reached the specified functional temperature, the reductant dosing release was given, and the Emissions Controller has balanced all actuators to the target value (whichever applies for the type of ATS).
6) Please note that the emission values are expected to drift slowly upward as deposits coming from fuel or oil build up in the engine and the catalyst, and as the engine and the catalyst experience normal wear. The emission values are for first startup only not-to-exceed values. The drifts can be decreased by following INNIO

Jenbacher specific maintenance and repair schedules along with the use of genuine INNIO Jenbacher parts and components.
NOx drift can be compensated up to a certain extent, by calibration of engine operating parameters in the DIA.NE XT controls system by specially trained qualified personnel. Excessive deposits resulting from gas contamination may require the cleaning of the combustion chamber and turbochargers.

7) Maintenance and component repairs for the INNIO Jenbacher Gas Engines and ATS equipment is carried out by qualified personnel strictly according to the schedule and repair requirements set by INNIO Jenbacher along with the use of genuine INNIO Jenbacher parts and components.
8) Testing to determine compliance with this commitment will be at the expense of the customer and accomplished by a certified laboratory chosen by the customer. The engine/installation is to be in good working order consistent with INNIO Jenbacher recommended maintenance practices prior to any testing. INNIO Jenbacher reserves the right to participate and/or challenge the results of any testing.

If the engine fails to meet the emissions representations the customer must provide the following supporting documentation to INNIO Jenbacher:

1) Fuel gas samples
2) Complete maintenance records
3) A full report including the calculations and results of any emissions testing.

INNIO Jenbacher will be given a reasonable amount of time to take any or all of the following actions:

- Perform additional testing in an effort demonstrate the emissions representations. If this testing demonstrates compliance with no adjustments required to the engine, customer will pay for added testing. If testing fails to demonstrate compliance with the emissions representations, the testing will be paid for by INNIO Jenbacher.
- Make such adjustments to the engine so as to bring the engine into compliance with the emissions limits provided in this letter.

Declaration (acc. ISO/IEC 17050-1:2004)

We hereby confirm that stationary Jenbacher Gas Engines are labelled as follows:

“THIS ENGINE IS EXCLUDED FROM THE REQUIREMENT OF 40 CFR PART 1048 AS A “STATIONARY ENGINE”. INSTALLING OR USING THIS ENGINE IN ANY OTHER APPLICATION MAY BE A VIOLATION OF FEDERAL LAW SUBJECTED TO CIVIL PENALTY AND THE OWNER/OPERATOR MUST COMPLY WITH THE REQUIREMENT OF CFR PART 60. THIS ENGINE IS NOT PART OF A REQUIRED OR VOLUNTARY CERTIFICATION PROGRAM AND IS CLASSIFIED AS NON-CERTIFIED PER 40 CFR PART 60, SUBPART JJJJ”.

INNIO Jenbacher GmbH & Co OG
Achenseestrasse 1-3
6020 Jenbach

Appendix I (Binding fuel gas composition used for emissions prediction):

MXP Near Georgetown:

% Vol. or % Mol.	Average
Carbon Dioxide (CO2)	0,054
Nitrogen (N2)	2,41
Methane (C1)	95,57
Ethane (C2)	1,91
Propane (C3)	0,0584
Isobutane (IC4)	0,0014
n-Butane (NC4)	0,0026
Isopentane (IC5)	0,0002
n-Pentane (NC5)	0,0002
C6 +	0

ANNEX 14

EMISSION LETTER

March 25th, 2026

INNIO Jenbacher confirms that the pollutants, in the amounts listed below, measured after the exhaust aftertreatment system (ATS), are confirmed as valid "NOT TO EXCEED" values for stationary applications per engine for the:

Project: AB Energy BKV Temple Texas JGS 620 J781

Emission values (as half hour average values) *):

Species	Unit	Value	Testing by
NOx	g/bhp-hr	0.05	EPA method 7E, or EN 14792 (CLD)
CO	g/bhp-hr	0.105	EPA method 10, or DIN EN 15058 (NDIR)
VOC (as NMNEHC)	g/bhp-hr	0.038	**)
CH2O	g/bhp-hr	0.03	VDI3862-Page 2 (AHMT), or 4 (DNPH), or 8 (FTIR) or equivalent US measurement method, e.g. FTIR according EPA method 320
PM2.5/PM10	g/bhp-hr	0.01	EN-13284-1
NH3	g/bhp-hr	0.01	FTIR or measurement in accordance with DIN51854

*) Emission values account no measurement tolerances.

**) Evaluated using single determination of C_xH_y from dry exhaust gas with GC-WLD or GC-FID. Every component must be calibrated. Collective test over 30 minutes or the average of 10 single measurements within 30 minutes.

***) Values refers to fuel with no impurities and particle free combustion air.

Definitions:

NOx	as NO2
NMNEHC	Non-Methane-Non-Ethane-Hydrocarbons (only C_xH_y species with x>2 + C2H4), calculated as C
CH2O	Formaldehyde

The following criteria apply for demonstration purposes:

1) Operation will be on Natural Gas which must meet the INNIO Jenbacher gas quality requirements stated in the Technical Instruction 1000-0300.
2) Emission values are based on the binding fuel gas analysis (Appendix I).
3) Based on the nominal mass flow provided by the project specific data sheets.
4) For operation between 80% and 100%, steady state 30 minutes average
5) Emission values apply after the ATS has reached the specified functional temperature, the reductant dosing release was given, and the Emissions Controller has balanced all actuators to the target value (whichever applies for the type of ATS).
6) Please note that the emission values are expected to drift slowly upward as deposits coming from fuel or oil build up in the engine and the catalyst, and as the engine and the catalyst experience normal wear. The emission values are for first startup only not-to-exceed values. The drifts can be decreased by following INNIO Jenbacher specific maintenance and repair schedules along with the use of genuine INNIO Jenbacher parts and components.

NOx drift can be compensated up to a certain extent, by calibration of engine operating parameters in the DIA.NE XT controls system by specially trained qualified personnel. Excessive deposits resulting from gas contamination may require the cleaning of the combustion chamber and turbochargers.

7) Maintenance and component repairs for the INNIO Jenbacher Gas Engines and ATS equipment is carried out by qualified personnel strictly according to the schedule and repair requirements set by INNIO Jenbacher along with the use of genuine INNIO Jenbacher parts and components.
8) Testing to determine compliance with this commitment will be at the expense of the customer and accomplished by a certified laboratory chosen by the customer. The engine/installation is to be in good working order consistent with INNIO Jenbacher recommended maintenance practices prior to any testing. INNIO Jenbacher reserves the right to participate and/or challenge the results of any testing.

If the engine fails to meet the emissions representations the customer must provide the following supporting documentation to INNIO Jenbacher:

1) Fuel gas samples
2) Complete maintenance records
3) A full report including the calculations and results of any emissions testing.

INNIO Jenbacher will be given a reasonable amount of time to take any or all of the following actions:

- Perform additional testing in an effort demonstrate the emissions representations. If this testing demonstrates compliance with no adjustments required to the engine, customer will pay for added testing. If testing fails to demonstrate compliance with the emissions representations, the testing will be paid for by INNIO Jenbacher.
- Make such adjustments to the engine so as to bring the engine into compliance with the emissions limits provided in this letter.

Declaration (acc. ISO/IEC 17050-1:2004)

We hereby confirm that stationary Jenbacher Gas Engines are labelled as follows:

“THIS ENGINE IS EXCLUDED FROM THE REQUIREMENT OF 40 CFR PART 1048 AS A “STATIONARY ENGINE”. INSTALLING OR USING THIS ENGINE IN ANY OTHER APPLICATION MAY BE A VIOLATION OF FEDERAL LAW SUBJECTED TO CIVIL PENALTY AND THE OWNER/OPERATOR MUST COMPLY WITH THE REQUIREMENT OF CFR PART 60. THIS ENGINE IS NOT PART OF A REQUIRED OR VOLUNTARY CERTIFICATION PROGRAM AND IS CLASSIFIED AS NON-CERTIFIED PER 40 CFR PART 60, SUBPART JJJJ”.

INNIO Jenbacher GmbH & Co OG
Achenseestrasse 1-3
6020 Jenbach

Appendix I (Binding fuel gas composition used for emissions prediction):

MXP Near Georgetown:

% Vol. or % Mol.	Average
Carbon Dioxide (CO2)	0,054
Nitrogen (N2)	2,41
Methane (C1)	95,57
Ethane (C2)	1,91
Propane (C3)	0,0584
Isobutane (IC4)	0,0014
n-Butane (NC4)	0,0026
Isopentane (IC5)	0,0002
n-Pentane (NC5)	0,0002
C6 +	0

Start up emission control 620 J781 + SCR

Estimated times to achieve emission target values after engine start [Minutes

For information only, NO GUARANTEED VALUES

Boundary conditions: Ambient conditions ~20 °C | Engine start = load ramp up | Before stop engine was operated for > 1 hour | Exhaust system well insulated

	Urea dosing start	NOx-conversion to target value		CO-conversion to target value	
		50%	100%	50%	100%
Cold start or stop > 12 h	12	15	30	5	10
Hot start (< 15 Min standstill)	3	4	5	1	2
Warm start (< 2 h stop)	5	7	8	4	6
Warm start (< 6 h stop)	10	12	14	6	8
Warm start (< 12 h stop)	11	14	18	6	9

12/09/2025

INNIO Jenbacher confirms that the pollutants, in the amounts listed below, are confirmed as "RAW EMISSION" values, for stationary applications per engine for the

Project name: AB Energy PRJ-11515, Engine: JGS 620 J781

Emission values (as half hour average values) *):

Species	Unit	Value	Testing by
NOx	g/bhp-hr	1,0	EPA method 7E, or EN 14792 (CLD)
CO	g/bhp-hr	2,0	EPA method 10, or DIN EN 15058 (NDIR)
VOC (as NMNEHC as C)	g/bhp-hr	0,2	**)
CH2O	g/bhp-hr	0,3	VDI3862-Page 2 (AHMT), or 4 (DNPH), or 8 (FTIR) or equivalent US measurement method, e.g. FTIR according EPA method 320

*) Emission values account no measurement tolerances.

**) Evaluated using single determination of C_xH_y from dry exhaust gas with GC-WLD or GC-FID. Every component must be calibrated. Collective test over 30 minutes or the average of 10 single measurements within 30 minutes.

Definitions:

NOx	as NO2
NMNEHC	Non-Methane-Non-Ethane-Hydrocarbons (only C_xH_y species with x>2 + C2H4), calculated as C
CH2O	Formaldehyde

The following criteria apply for demonstration purposes:

1) Operation will be on Natural Gas which must meet the INNIO Jenbacher gas quality requirements stated in the Technical Instruction 1000-0300.
2) Emission values are based on the binding fuel gas analysis (Appendix I).
3) Based on the nominal mass flow provided by the project specific data sheets.
4) For operation between 80% and 100%, steady state 30 minutes average
5) These are raw emissions without an exhaust Aftertreatment System.
6) Please note that the emission values are expected to drift slowly upward as deposits coming from fuel or oil build up in the engine and the catalyst, and as the engine and the catalyst experience normal wear. The emission values are for first startup only not-to-exceed values. The drifts can be decreased by following INNIO Jenbacher specific maintenance and repair schedules along with the use of genuine INNIO Jenbacher parts and components.
   NOx drift can be compensated up to a certain extent, by calibration of engine operating parameters in the DIA.NE XT controls system by specially trained qualified personnel. Excessive deposits resulting from gas contamination may require the cleaning of the combustion chamber and turbochargers.
7) Maintenance and component repairs for the INNIO Jenbacher Gas Engines and ATS equipment is carried out by qualified personnel strictly according to the schedule and repair requirements set by INNIO Jenbacher along with the use of genuine INNIO Jenbacher parts and components.
8) Testing to determine compliance with this commitment will be at the expense of the customer and accomplished by a certified laboratory chosen by the customer. The engine/installation is to be in good working order consistent with INNIO Jenbacher recommended maintenance practices prior to any testing. INNIO Jenbacher reserves the right to participate and/or challenge the results of any testing.

If the engine fails to meet the emissions representations the customer must provide the following supporting documentation to INNIO Jenbacher:

1) Fuel gas samples
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3) A full report including the calculations and results of any emissions testing.

INNIO Jenbacher will be given a reasonable amount of time to take any or all of the following actions:

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INNIO Jenbacher GmbH & Co OG
Achenseestrasse 1-3
6020 Jenbach

Appendix I (Binding fuel gas composition used for emissions prediction):

Natural Gas:

% Vol. or % Mol.	"009777"	Cielo-Vista		Morgan Creek	"009777"
	Dec-24	Day 15	AVG	"03 09:00"	Jul-24
Carbon Dioxide (CO2)	0,6833	1,738	1,761	0,0258	0,5605
Nitrogen (N2)	2,2559	0,022	0,022	3,6763	1,9462
Methane (C1)	93,0836	96,316	96,358	92,5948	91,9754
Ethane (C2)	3,6352	1,64	1,589	3,5145	5,0373
Propane (C3)	0,2534	0,173	0,165	0,1802	0,4309
Isobutane (IC4)	0,0153	0,056	0,052	0,0028	0,013
n-Butane (NC4)	0,0445	0,026	0,025	0,0052	0,0264
Isopentane (IC5)	0,0082	0,011	0,011	0,0001	0,0027
n-Pentane (NC5)	0,011	0,004	0,004	0,0001	0,0035
n-Hexane (C6)	0,0046	0,006	0,006	0,0002	0,002
n-Heptane (C7)	0,0034	0,005	0,005	0	0,0015
Octanes Plus (C8+)	0,0017	0,002	0,002	0	0,0007

APPENDIX E: EGU STANDARD PERMIT

Air Quality Standard Permit for Electric Generating Units

Effective Date May 16, 2007

This standard permit authorizes electric generating units that generate electricity for use by the owner or operator and/or generate electricity to be sold to the electric grid, and that meet all of the conditions listed below.

(1) Applicability

(A) This standard permit may be used to authorize electric generating units installed or modified after the effective date of this standard permit and that meet the requirements of this standard permit.

(B) This standard permit may not be used to authorize boilers. Boilers may be authorized under the Air Quality Standard Permit for Boilers; 30 TAC § 106.183, Boilers, Heaters, and Other Combustion Devices; or a permit issued under the requirements of 30 TAC Chapter 116.

(2) Definitions

(A) East Texas Region - All counties traversed by or east of Interstate Highway 35 or Interstate Highway 37, including Bosque, Coryell, Hood, Parker, Somervell and Wise Counties.

(B) Installed - a generating unit is installed on the site when it begins generating electricity.

(C) West Texas Region - Includes all of the state not contained in the East Texas Region.

(D) Renewable fuel - fuel produced or derived from animal or plant products, byproducts or wastes, or other renewable biomass sources, excluding fossil fuels. Renewable fuels may include, but are not limited to, ethanol, biodiesel, and biogas fuels.

(3) Administrative Requirements

(A) Electric generating units shall be registered in accordance with 30 TAC § 116.611, Registration to Use a Standard Permit, using a current Form PI-1S. Units that meet the conditions of this standard permit do not have to meet 30 TAC § 116.610(a)(1), Applicability.

(B) Registration applications shall comply with 30 TAC § 116.614, Standard Permit Fees, for any single unit or multiple units at a site with a total generating capacity of 1 megawatt (MW) or greater. The fee for units or multiple units with a total generating capacity of less than 1 MW at a site shall

be $100.00. The fee shall be waived for units or multiple units with a total generating capacity of less than 1 MW at a site that have certified nitrogen oxides (NO_x) emissions that are less than 10 percent of the standards required by this standard permit.

(C) No owner or operator of an electric generating unit shall begin construction and/or operation without first obtaining written approval from the executive director.

(D) Records shall be maintained and provided upon request to the Texas Commission on Environmental Quality (TCEQ) for the following:

(i) Hours of operation of the unit;

(ii) Maintenance records, maintenance schedules, and/or testing reports for the unit to document re-certification of emission rates as required by subsection (4)(G) below; and

(iii) Records to document compliance with the fuel sulfur limits in subsection (4)(C).

(E) Electric generators powered by gas turbines must meet the applicable conditions, including testing and performance standards, of Title 40 Code of Federal Regulations (CFR) Part 60, Subpart GG, Standards of Performance for Stationary Gas Turbines, and applicable requirements of 40 CFR Part 60 Subpart KKKK, Standards of Performance for Stationary Combustion Turbines.

(F) Compliance with this standard permit does not exempt the owner or operator from complying with any applicable requirements of 30 TAC Chapter 117, Control of Air Pollution from Nitrogen Compounds, or 30 TAC Chapter 114, Control of Air Pollution from Motor Vehicles.

(4) General Requirements

(A) Emissions of NO_x from the electric generating unit shall be certified by the manufacturer or by the owner or operator in pounds of pollutant per megawatt hour (lb/MWh). This certification must be displayed on the name plate of the unit or on a label attached to the unit. Test results from U.S. Environmental Protection Agency (EPA) reference methods, California Air Resources Board methods, or equivalent alternative testing methods approved by the executive director used to verify this certification shall be provided upon request to the TCEQ. The unit must operate on the same fuel(s) for which the unit was certified.

(B) Electric generating units that use combined heat and power (CHP) may take

credit for the heat recovered from the exhaust of the combustion unit to meet the emission standards in subsections (4)(D), (4)(E), and (4)(F). Credit shall be at the rate of one MWh for each 3.4 million British Thermal Units of heat recovered. The following requirements must be met to take credit for CHP for units not sold and certified as an integrated package by the manufacturer:

(i) The owner or operator must provide as part of the application documentation of the heat recovered, electric output, efficiency of the generator alone, efficiency of the generator including CHP, and the use for the non-electric output, and

(ii) The heat recovered must equal at least 20 percent of the total energy output of the CHP unit.

(C) Fuels combusted in these electric generating units are limited to:

(i) Natural gas containing no more than ten grains total sulfur per 100 dry standard cubic feet;

(ii) Landfill gas, digester gas, stranded oilfield gas, or gaseous renewable fuel containing no more than 30 grains total sulfur per 100 dry standard cubic feet; or

(iii) Liquid fuels (including liquid renewable fuel) not containing waste oils or solvents and containing less than 0.05 percent by weight sulfur.

(D) Except as provided in subsections (4)(F) and (4)(H), NO_x emissions for units 10 MW or less shall meet the following limitations based upon the date the unit is installed and the region in which it operates:

East Texas Region:

(i) Units installed prior to January 1, 2005 and

(a) operating more than 300 hours per year - 0.47 lb/MWh;

(b) operating 300 hours or less per year - 1.65 lb/MWh;

(ii) Units installed on or after January 1, 2005 and

(a) operating more than 300 hours per year, with a capacity greater than 250 kilowatts (kW) - 0.14 lb/MWh;

(b) operating 300 hours or less per year - 0.47 lb/MWh; or

(c) any unit with a capacity of 250 kW or less - 0.47 lb/MWh.

West Texas Region:

(i) Units operating more than 300 hours per year - 3.11 lb/MWh;

(ii) Units operating 300 hours or less per year - 21 lb/MWh. Units certified to comply with applicable Tier 1, 2, or 3 emission standards in 40 CFR Part 89, Control of Emissions from New and In-Use Nonroad Compression-Ignition Engines, are deemed to satisfy this emission limit.

(E) Except as provided in subsections (4)(F) and (4)(H), NO_x emissions for units greater than 10 MW shall meet the following limitations:

(i) Units operating more than 300 hours per year - 0.14 lb/MWh;

(ii) Units operating 300 hours or less per year - 0.38 lb/MWh.

(F) Electric generating units firing any gaseous or liquid fuel that is at least 75 percent landfill gas, digester gas, stranded oil field gas, or renewable fuel content by volume, shall meet a NO_x emission limit of 1.90 lb/MWh. Units in West Texas with a capacity of 10 MW or less that fire at least 75 percent landfill gas, digester gas, stranded oilfield gases, or gaseous or liquid renewable fuel by volume, must comply with the applicable West Texas NO_x limit in subsection (4)(D).

(G) To ensure continuing compliance with the emissions limitations, the owner or operator shall re-certify a unit every 16,000 hours of operation, but no less frequently than every three years. Re-certification may be accomplished by following a maintenance schedule that the manufacturer certifies will ensure continued compliance with the required NO_x standard or by third party testing of the unit using appropriate EPA reference methods, California Air Resources Board methods, or equivalent alternative testing methods approved by the executive director to demonstrate that the unit still meets the required emission standards. After re-certification, the unit must operate on the same fuel(s) for which the unit was re-certified.

(H) The NO_x emission limits in subsections (4)(D)-(4)(F) are subject to the following exceptions:

(i) The hourly NO_x emission limits do not apply at times when the ambient air temperature at the location of the unit is less than 0 degrees Fahrenheit.

(ii) At times when a unit is operating at less than 80% of rated load, an alternative NO_x emission standard for that unit may be determined by multiplying the applicable emission standard in subsections (4)(D)-(4)(F) by the rated load of the EGU (in MW), to produce an allowable hourly

mass NO_x emission rate. In order to use this alternative standard, an owner or operator must maintain records that demonstrate compliance with the alternative emission standard, and make such records available to the TCEQ or any local air pollution control agency with jurisdiction upon request.